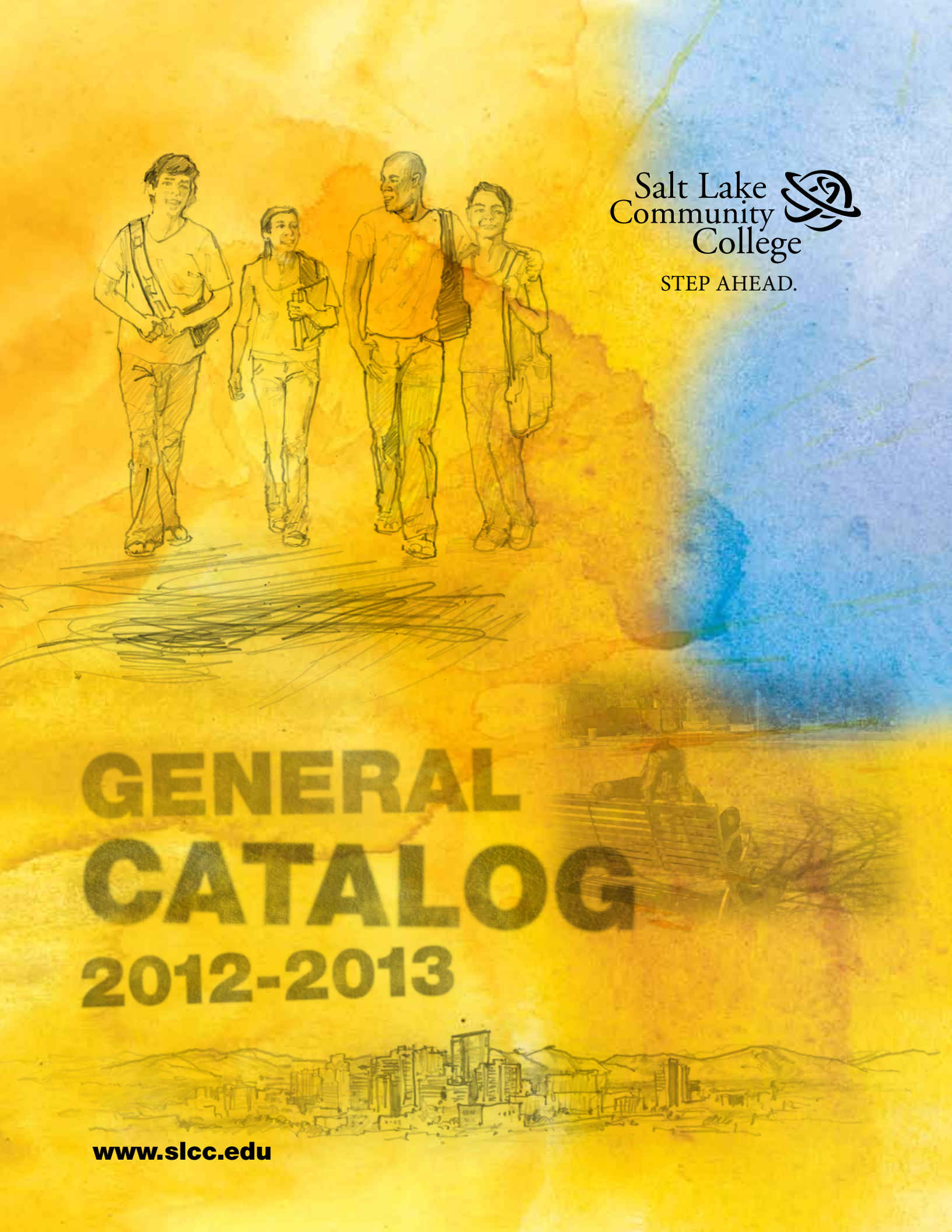
Salt Lake Community College
STEP AHEAD.
GENERAL CATALOG
2012-2013
www.slcc.edu

DISCLAIMER

This catalog applies to new students entering Salt Lake Community College in the 2012-2013 academic year and returning Salt Lake Community College students whose governing catalog has expired. Individuals with specific questions about this policy should see the admissions officer or the appropriate academic administrator for the their program of study.

The catalog contains information concerning academic programs, course descriptions, tuition and fees, policies, and general information about Salt Lake Community College in existence at the time of this publication's deadline, December 1, 2011.

Information in this catalog is subject to change and Salt Lake Community College reserves the right to make any necessary revisions in the information contained here without notice. The College further reserves the right to add, amend, or repeal any rules, regulations, policies, and procedures as provided by law.

This catalog is for information purposes only and does not constitute a contract between the student and the College.

A Message From President Bioteau

Welcome to Salt Lake Community College—Utah's premier, comprehensive community college. Our dedicated faculty and staff and the 60,000 students who will attend the College this year create an outstanding teaching and learning environment.

The College trains students to enter the workforce with the most current skills, and helps transfer students complete associate degrees and move on to four-year institutions. Training for professional development is also a key component of the College's mission, including specialized workshops, and short-term and customized training that is designed to meet workforce and industry needs.

Everything students need to get started with their education at the College can be found in the General Catalog. The "Things You Should Know" section contains information and a checklist to assist new and returning students; business owners and employers will find an array of services in the "Continuing Education" section; and the "Services and Resources for Business and the Community" section offers an overview of the many opportunities the College offers throughout the community.

Please take advantage of the resources that the College provides. Take some time to explore this catalog, visit us online at www.slcc.edu, stop by one of our 13 convenient locations, and contact any of our dedicated, helpful staff. Please ask us questions and tell us how we can help—we're here for your success.

Sincerely,

Cynthia A. Bioteau

Dr. Cynthia A. Bioteau

SLCC at a Glance

ACCREDITATION

Salt Lake Community College is accredited by the Northwest Commission on Colleges and Universities (NWCCU), an institutional accrediting body recognized by the Council for Higher Education Accreditation and the U.S. Department of Education.

PROGRAMS

SLCC offers more than 100 degree programs, as well as continuing education, apprenticeships, and other options to help students achieve their educational objectives.

OFFERINGS

Associate of Arts Degree (AA)
Associate of Arts in Business (AA)
Associate of Science Degree (AS)
Associate of Science in Business (AS)
Associate of Science in Criminal Justice (AS)
Associate of Pre-Engineering (APE)
Associate of Applied Science Degree (AAS)
Diplomas
Certificates of Completion
Certificates of Proficiency
Letter of General Education Completion

STUDENT BODY PROFILE

Based on Fall Semester 2011, third week figures.

27,401	Headcount
15,856	FTE
96%	Utah Residents
4%	Non-Residents
35%	Freshmen
65%	Sophomores
50%	Male
50%	Female
3%	Veterans
62.27%	Caucasian
10.66%	Hispanic
12.74%	Unknown/Unreported
4.49%	Asian/Pacific Islander
2.03%	African American
0.87%	American Indian/Alaskan Native
1.11%	Non-Resident Alien
0.83%	More than one race

Average Student Age - 25.64 Years old

Student to Faculty Ratio - 21:1

Number of Graduates - 4,180 students graduated during the 2010-2011 school year (includes School of Applied Technology).

COLLEGE OVERVIEW

Salt Lake Community College is an accredited, multi-campus college serving the diverse needs of the Salt Lake City community. With an open-door enrollment policy, the College serves more than 60,000 students through credit and non-credit courses and workshops each year, making it the largest institution of higher education in Utah. It is the fourth most prolific producer of Associate's degrees in the country.

To accommodate student needs, SLCC has thirteen locations plus distance learning options that allow students to take classes virtually anywhere. Courses are offered in both traditional and accelerated semesters, during the day, at night, and on weekends. Students receive personal attention from faculty as the College maintains an average student-to-faculty ratio of 21 to 1.

The College has established active partnerships with more than 500 local businesses and school districts to provide skills training, professional development, and academic programs to current and future employees. SLCC plays a key role in building Utah's economy by anticipating future needs and preparing a skilled workforce able to manage ever-changing technologies.

Students also benefit from distance learning. SLCC offers more than 450 course sections via distance learning formats including telecourses, live distance learning (EDNET), video checkout and the Internet, with almost half of these sections being taught completely online. More than 12 percent of SLCC course sections are online classes and more than 7,000 SLCC students take at least one online course each semester.

Salt Lake Community College has developed and initiated an education/business partnership that provides a two-year scholarship to students and work opportunities for students. Called the "PACE," (Partnerships for Accessing College Education) program, this unique partnership between localsecondary school systems, local businesses, and the College is an incentiveprogram that provides high school students with opportunities for employment during summer recesses and potential internships during their academic years. High school students involved in the program who complete the PACE criteria and graduate in eight consecutive academic terms will receive fulltwo-year academic scholarships to attend Salt Lake Community College.

The Center for New Media will soon open its doors at the South CityCampus. In partnership with Salt Lake School District's Career and Technical Education, this innovative building will accommodate more than 7,000 students—including nearly 2,000 Applied Technology students.

The Instructional and Administration Building is also currently under construction at the Taylorsville Redwood Campus. The majority of the space in this building—75,000 of its 136,000 total square feet—will be devoted to instruction. The flexible and dynamic student spaces in this facility will foster interdisciplinary learning. Once completed, the Instructional and Administrative Building will replace the current Administration Building and allow the College to adhere to the seismic and safety standards that are part of the College's overall facilities master plan.

Salt Lake Community College is one of this state's most important engines for driving the economy. Higher earnings of SLCC students and associated increases in state income expand Utah's tax base by $153.7 million dollars annually. Higher tax receipts and avoided governmental costs result in a cumulative value of $171.2 million in benefits over the course of students' working careers. Skills acquired by SLCC students translate to higher earnings for students and increased output of businesses; added income attributable to the accumulation of SLCC credits in the workforce amounts to $840 million annually.

Salt Lake Community College Step Ahead.

SLCC Vision Statement

Salt Lake Community College will be the premier comprehensive community college in the nation.

SLCC Mission Statement

Salt Lake Community College is a public, open-access, comprehensive community college committed to serving the broader community. Its mission is to provide quality higher education and lifelong learning to people of diverse cultures, abilities, and ages, and to serve the needs of community and government agencies, business, industry, and other employers.

The College fulfills its mission by:

- offering associate degrees, certificate programs, career and technical education, developmental education, transfer education, and workforce training to prepare individuals for career opportunities and an enriched lifetime of learning and growing;
- offering programs and student support services that provide students opportunities to acquire knowledge and critical thinking skills, develop self-confidence, experience personal growth, and value cultural enrichment;
- maintaining an environment committed to teaching and learning, collegiality, and the respectful and vigorous dialogue that nourishes active participation and service in a healthy democracy.

Strategic Priorities

I. Enhance Quality Higher Education
II. Improve Student Access and Success
III. Advance a Culture of Evidence and Accountability
IV. Strengthen Institutional Support
V. Advance Partnerships/Relationships with the Community and Business

Salt Lake Community College Step Ahead.

SLCC Core Themes

ACCESS AND SUCCESS

Provide accessible instructional programs and student services

Provide access to students underrepresented in higher education

Provide access to students underprepared for higher education

Support students to become successful and engaged learners

TRANSFER EDUCATION

Prepare students with a foundation for success in continued studies

Provide the first two years of articulated major courses (AA, APE, and AS degrees)

Provide students a comprehensive and integrated General Education experience

WORKFORCE EDUCATION

Prepare students with knowledge and skills meeting current industry needs

Provide specialized training for business and industry

Provide integrated pathways for academic and career mobility/advancement

COMMUNITY ENGAGEMENT

Contribute to economic and community development

Champion diversity and cultural enrichment in the community and the College

Provide community service and involvement opportunities

Getting Started

1 APPLY FOR ADMISSION

The first step to becoming an SLCC student is to complete an Admission Application online at www.slcc.edu and pay the nonrefundable application fee ($40). Applicants will only be admitted to credit programs at Salt Lake Community College if they have earned either a state-recognized high school diploma, a state-issued General Education Diploma (GED), or an associate degree or higher from a regionally accredited institution. Applicants who have not earned one of these credentials may only be admitted to College credit programs if the Accuplacer, ACT, or SAT exams place the student into college level coursework (ENGL 1010 or higher and MATH 1010 or higher). Applicants without a high school credential may also participate in noncredit programs through the School of Applied Technology (SAT) or Continuing Education with no restrictions. Beginning July 1, 2012, federal financial aid will not be available to individuals who start a program of study and do not have a state-recognized high school diploma or state-issued GED. All matriculated students are required to take a placement assessment called the Accuplacer (or submit ACT or SAT scores). Placement assessment must be completed before registering for any classes.

The Fall 2012 Admission Application deadline is August 17, 2012. The Spring 2013 Admission Application deadline is January 9, 2013. These deadlines apply only to SLCC's credit programs and will not affect the College's School of Applied Technology and other noncredit programs—including Continuing Education courses and workshops. Students applying after the deadline are welcome to apply for a future term. Summer semester does not have an Admission Application deadline. Students are strongly encouraged to apply at least 16 weeks before fall semester or 10 weeks before spring or summer semesters to allow time for orientation, advising, and registration.

The School of Applied Technology (SAT) offers non-credit, flexible entry programs that begin weekly or as scheduled throughout the year and accepts applications at any time. The SAT does not require a state-recognized high school diploma, state-issued GED, or associate degree or higher from a regionally accredited institution for admittance to career and vocational programs. Additional information for enrolling in The School of Applied Technology courses/programs can be found in the School of Applied Technology section of the catalog.

Salt Lake Community College reserves the right to audit for accuracy self-reports of high school, GED, or associate degree or higher completion. Providing false information may result in denial of admission and/or financial aid. Financial aid is not available to individuals who do not have a state-recognized high school diploma or state-issued GED.

Health Sciences programs have additional specific selective admission requirements as described under the Admission to Health Sciences Programs section.

After an application has been processed, the student will receive a letter of acceptance containing an SLCC "student number" (S#) which will be necessary to access MyPage, the official online gateway to all College services including class registration, tuition and fee payment, and MyMail email. The letter will also contain important information about placement assessment requirements. Students generally receive this letter within two weeks after the application is submitted.

Students under the age of eighteen who have not or their class has not completed high school must comply with Utah Code Annotated, 53A-11, "Students in Public Schools," and can only be admitted to Salt Lake Community College as a Special Status Student.

MATRICULATED STUDENTS

A matriculated student is one who is working toward the completion of a degree, diploma or certificate of completion, or with the intent to transfer a degree to another institution. Matriculation is a requirement for any student seeking financial aid. To become matriculated, an applicant must do the following:

1. Submit an admission application with a declared major.
2. Submit a $40 non-refundable application fee when applying.
3. Take a placement assessment (ACT, SAT or Accuplacer). Placement test scores must be no more than two years old for English and no more than one year old for math. Transfer students may be eligible for a waiver of all or part of the placement assessment requirement.
4. Complete new student orientation. First-time freshmen must complete mandatory new student orientation in order to register for courses.

Entry criteria for School of Applied Technology programs are explained in the section under the School of Applied Technology.

All applicants whose primary language is not English will be required to take an English language placement test to assist in determining first-semester classes.

Students whose placement assessments are incomplete at the time of class registration are still welcome to enroll at Salt Lake Community College as non-matriculated students. However, they are not eligible for financial aid or graduation until matriculation requirements are met.

NON-MATRICULATED STUDENTS

Students not interested in pursuing a degree, diploma, certificate of completion or transfer can be admitted as non-matriculated students. Similar to matriculated applicants, non-matriculated applicants to College credit programs must have earned a state-recognized high school diploma, state-issued GED, or associate degree or higher from a regionally accredited institution. Applicants who have not earned one of these credentials may only be admitted to College credit programs if the Accuplacer, ACT, or SAT exams place the student into college level coursework (ENGL 1010 or higher and MATH 1010 or higher). Non-matriculated status is indicated on the admission application as one of the following choices: "Take classes for personal interest or to transfer to another college...," "Complete training in the School of Professional and Economic Development (SPED)," or "Apprenticeship Program, not seeking a degree." To apply for this status, submit the admission application as a non-matriculated student and the $40 fee. No placement testing is necessary for admission but may be required for placement prerequisites in academic coursework. The non-matriculated admission status limits the ability to use credits toward graduation at SLCC; it also prohibits students from receiving financial aid through the College.

Credit earned as a non-matriculated student may not count toward a degree at SLCC unless the student matriculates. No more than 24 credits earned before matriculation can be counted toward a diploma or degree from SLCC; no more than 12 credits can be counted toward a one-year certificate from SLCC.

WHEN TO RE-APPLY

Application for admission is valid for one year (three consecutive terms such as spring, summer, and fall) after the term of admission.

Application for admission is valid for one year (three consecutive terms such as spring, summer, and fall) after the term of admission. Students who do not attend classes during their term of admission but wish to attend a different valid admission term may update their application by calling the Data Center at (801) 957-4283. If a student does not attend classes during their one year period of valid admission, the student must re-apply for admission by the desired term's application deadline (and submit the $40 non-refundable application fee), meet placement assessment requirements, and check for any curriculum changes that have occurred since they last attended. Upon re-admission, students must adhere to the graduation requirements in the current catalog.

Students who attend classes during their one year period of valid admission remain eligible to register for two years (six consecutive terms) from the term of their last enrollment and do not need to re-apply if attending in any of those six terms.

EARLY ENROLLMENT

Academically qualified high school juniors and seniors may pay tuition and attend regular on-campus SLCC classes while still attending high school through SLCC's Early Enrollment program. (This program is independent of Concurrent Enrollment programs offered by many local high schools.) Written permission from parent(s) or guardian(s) and school officials is required, along with transcripts, test scores, and an appointment with the Early Enrollment advisor. Students must apply for Early Enrollment by the deadline for each semester. Early Enrollment and Concurrent Enrollment are the only Special Status programs for students enrolled in secondary education. To learn more or for application deadline, call the Early Enrollment advisor at (801) 957-6144 or visit www.slcc.edu/earlyenrollment.

TRANSFER STUDENTS

Incoming transfer students must apply for admission and submit a $40 nonrefundable application fee. Transfer students who have earned credits at another college or university may be able to use that credit to (1) clear all or part of the placement assessment requirements, and/or (2) meet general education or major course requirements in a SLCC program of study. See Transferring Credit in the **THINGS YOU SHOULD KNOW** section of this catalog.

INTERNATIONAL STUDENTS

Salt Lake Community College welcomes students on visas and serves approximately 350 international students from 70 countries. SLCC is authorized to issue USCIS form I-20. Information about the International Student Application for Admissions is available through International Student Services www.slcc.edu/iss

For further details about international admissions requirements, deadlines, housing and international orientation, look under the heading in the **THINGS YOU SHOULD KNOW** section of this catalog. Information about International Student Services is provided in the **SERVICES AND RESOURCES FOR STUDENTS** section of this catalog.

STUDENTS WITH DISABILITIES

Incoming students with disabilities who need assistance with the application process should contact the Disability Resource Center at (801) 957-4659 (Voice) or (801) 957-4646 (TTY). For more information about SLCC services and accommodations for students with disabilities, see Disability Resource Center in the **RESOURCES AND SERVICES FOR STUDENTS** section of this catalog.

ADMISSION TO HEALTH SCIENCES PROGRAMS

Most SLCC Health Sciences programs have special admission requirements. Students must complete certain prerequisite courses and achieve specific grades before applying to these programs of study, and a select number of applicants will be admitted each year. A separate health sciences application form is also required. For details, refer to program descriptions in this catalog or call the Health Sciences Admissions Office at (801) 957-6253.

ADMISSION TO SCHOOL OF APPLIED TECHNOLOGY PROGRAMS

For information about School of Applied Technology offerings and admissions, contact the School of Applied Technology Enrollment Services Office at South City Campus or call (801) 957-3354.

2 APPLY FOR FINANCIAL AID

All students should apply for financial aid. Many students are surprised to discover they are eligible for some type of financial assistance. Students should apply as early as possible for financial aid because the process can take several weeks to complete.

The application process for financial aid can be started before applying for admission, but financial aid is only awarded to admitted students. See Financial Aid in the **THINGS YOU SHOULD KNOW** section of this catalog for aid options and application requirements.

3 COMPLETE PLACEMENT ASSESSMENT

Students' success in a program of study at SLCC requires that they have fundamental skills in English (reading and writing) and mathematics. To make sure students are prepared to benefit from their courses, the College has developed the Student Assessment Program for placement testing. A computerized assessment system, Accuplacer, is used to evaluate students' reading, writing, and mathematics skills. The School of Applied Technology uses the TABE (Test of Adult Basic Education) to assess these skills. These tests are NOT admissions tests. Instead, they are assessments that help students identify their academic strengths, recognize specific skills they need to work on, and to plan the best sequence of courses.

Matriculated students cannot register for any classes without valid placement scores from the ACT, SAT, or Accuplacer; scores must be no more than one year old for math and two years old for English. The SLCC Testing Centers at the Taylorsville Redwood, South City, and Jordan Campuses administer the Accuplacer each weekday on a walk-in basis. No appointment is necessary. A photo ID is required to take the placement. The Accuplacer is un-timed; students may take as much time as needed. English retests are limited to one per semester. Math retests are limited to two per semester. A fee is charged for all retests. Call (801) 957-4500 or visit www.slcc.edu/testing for information about taking the Accuplacer.

For more information on testing for School of Applied Technology programs, please call (801) 957-3354 or (801) 957-2100, or contact a School of Applied Technology advisor at (801) 957-3354.

Recent ACT or SAT scores (less than two years old) may be used in place of the Accuplacer placement for admission. Students should submit an official copy of their scores to an Enrollment Services office for evaluation.

4 ATTEND ORIENTATION

New students must complete a mandatory new student orientation to be eligible to register for courses. Transfer and returning students are also highly encouraged to attend; early participation in orientation will allow students to register up to ten weeks before the open registration period.

Orientation programs are designed to help students get started and take advantage of the services, facilities, and opportunities available at SLCC. Visit slcc.edu/orientation for more information on dates, times, and locations of these orientation programs. Visit slcc.edu/academiccalendar for class registration dates.

The following orientation options are available:

QUICKCONNECT ORIENTATION

QuickConnect is a 90 minute presentation providing students with essential information on getting started at SLCC. Topics include an overview of degree and major options, how to use the catalog and class schedule, how to access the online MyPage system to register, and how to obtain a student ID, parking permit and books. Students will learn strategies for planning their first term class schedule and will find out about campus resources. QuickConnect orientations are offered year-round with morning, afternoon and evening sessions at various locations. To sign up for a QuickConnect Orientation, call (801) 957-4073 or visit www.slcc.edu/orientation.

NETCONNECT ORIENTATION

New students who are unable to attend orientation in person may complete the program online through NetConnect. NetConnect can be accessed by visiting the SLCC website at www.slcc.edu/orientation. A follow-up advising appointment is recommended to address individual needs and questions.

CAMPUSCONNECT ORIENTATION

CampusConnect is a fun, in-depth orientation provided at various campuses in the summer, prior to fall semester. This half-day program is open to all new students and offers an opportunity to become acquainted with the College as well as other students, faculty and staff. In addition to the topics covered in QuickConnect orientations, the CampusConnect program provides workshops on topics such as choosing a major, applying for financial aid, transferring for a bachelor's degree, getting involved in student life, and developing college survival and study skills. Students participate in group advising sessions, receive assistance with registration, and attend campus tours.

INTERNATIONAL STUDENT ORIENTATION AND IMMIGRATION WORKSHOPS

The New International Student Orientation is offered three times per year prior to the beginning of each term to all new international students on non-immigrants visas. Students on visas have federally mandated requirements for school attendance. International orientations are especially designed to promote understanding and information about maintaining both academic and immigration status. Dates of orientation are stated on each student's acceptance letter, Form I-20, and on our web page www.slcc.edu/iss.

ORIENTATION FOR STUDENTS TAKING ONLINE COURSES

Have you registered for an Online Course? If so, take a few minutes to learn about how easy it is to prepare for an online course. Visit our support site at www.slcc.edu/online for more information.

ORIENTATION FOR STUDENTS WITH DISABILITIES

Attending an orientation is the first step toward receiving accommodations under the Americans with Disabilities Act (ADA). Orientations are conducted at the Disability Resource Center (DRC). Orientations will last about an hour and are required in order to receive services from the DRC. Orientations are conducted throughout the week at Taylorsville Redwood and South City Campuses and at all other campuses by appointment. Students should call (801) 957-4659 to schedule their orientation.

5 MEET WITH AN ADVISOR FOR ACADEMIC AND/OR CAREER PLANNING

As you get ready to attend SLCC, review these reasons why you should visit with an Academic and Career Advisor:

1. Develop a network of individuals who support your educational goals.
2. Understand assessment scores and establish the proper sequence of math and English (reading and writing) courses.
3. Understand General Education and program course requirements.
4. Prepare an educational plan to meet your specific needs.
5. Obtain assistance with your semester class schedule.
6. Discuss how to start a career planning process.
7. Learn how your credits from other institutions transfer and apply to your program at SLCC.
8. Become aware of financial aid, employment, college, and community resources.

As you continue your education at SLCC, you will find many more reasons to visit us. Advisors are available online and at the Taylorsville Redwood, South City, Miller and Jordan locations. The general Advising office is located in the Student Center at Taylorsville Redwood Campus.

Call (801) 957-4978 or visit www.slcc.edu/academicadvising for further information about advising services.

To meet with an advisor for the School of Applied Technology, visit South City Campus or call (801) 957-3354, Highland Center, or Rose Park Center or call (801) 957-3354 or (801) 957-2100.

INTERNATIONAL STUDENT ADVISING

International student immigration and foreign student advising services are available to assist students on visas with maintaining both immigration and academic status, and with learning about life in the SLCC community. Please visit International Student Services located on the Taylorsville Redwood Campus in the Student Center Rm. 234, call (801) 957-4528 or eamil at international.services@slcc.edu.

STUDENTS WITH DISABILITIES

The Disability Resource Center (DRC) provides advising and other services for students with disabilities. For more information, see Disability Resources Center in the Resources and Services for Students section of this catalog or call the DRC at (801) 957-4659 (Voice) or (801) 957-4646 (TTY).

6 LOG ON TO 'MYPAGE'

MyPage is the official online gateway to all College services including class registration and tuition and fee payment. Each student is provided a MyMail email account for official email communication with the institution, faculty and staff. Students are expected to check the account on a frequent and consistent basis. To obtain their MyPage username and password, new students must go to mypage.slcc.edu, select "Get your username and password," and enter the requested information (including the student number provided on the admission letter). Students should log on to MyPage well in advance of registration to familiarize themselves with the system. Computers are available for student use at all SLCC locations; students may call the SLCC Help Desk at (801) 957-5555 for computer availability or technical assistance.

7 REGISTER FOR CLASSES

ALL MATRICULATED (DEGREE SEEKING) STUDENTS MUST COMPLETE PLACEMENT ASSESSMENT BEFORE REGISTERING FOR ANY COURSEWORK.

COMPLETE ALL PREREQUISITES FOR DESIRED CLASSES

Prerequisites are listed in course descriptions; only students who have completed all listed prerequisites are eligible to register for the course.

VIEW THE CLASS SCHEDULE

The class schedule is available online at www.slcc.edu/schedule.

CLEAR ALL HOLDS ON STUDENT RECORD

Students must clear all holds prior to registration. Log on to MyPage, selecting **Student** tab to check hold information under "**Registration Status.**" Account holds for unpaid tuition will be removed 24 hours after past due amount is paid in full.

HOW TO REGISTER

ONLINE REGISTRATION

1. Log on to MyPage, mypage.slcc.edu
2. Click on "**Student**" tab (not available until the Assessment Requirement is completed)
3. Follow the directions to view online class schedule and register for classes

WAITLIST

The waitlist option is available to students registering for a course section filled to capacity (i.e., closed class). Students registering for a closed class will be offered the opportunity to be put on a waitlist. Students may view waitlist status on the MyPage Student Portal. When a registered student drops a seat in a closed class, the waitlisted student will be notified by MyMail email that a seat is open in the class. Once notified by email that a seat is available, the waitlisted student has 24 hours to register for the course. If registration is not finalized within the 24-hour period, the student is dropped from the waitlist. Waitlisted students will need to attend the first day of class and receive further instructions from the faculty member.

REGISTRATION ATTEMPTS

Registration attempts in the SLCC student computer system are limited to a manageable number during a semester. If students neglect to register within the allotted registration attempts during one semester, registration privileges will automatically be disabled for the semester. In addition, the use of developed technical programs, registration robot tools, and any other device that interferes with Enrollment Services policy and procedure is prohibited. Students caught using technical devices may be subject to disciplinary action.

DROPS/WITHDRAWALS

If a student decides not to remain enrolled in a class, it is the student's responsibility to drop or withdraw from the class. Classes dropped prior to the published drop deadline will result in an adjustment or refund of tuition. After the published drop deadline, students may withdraw from classes during the withdrawal period, but no adjustment or refund of tuition will be made.

ADMINISTRATIVE DROP FOR NON-ATTENDANCE

In order to maximize registration opportunities for all students, students are required to attend the first class meeting of any regularly scheduled class that meets once per week or at least one of the first two class meetings of any regularly scheduled class that meets more than once per week. Students who are unable to attend the initial class meeting(s) as required must inform the instructor or department office, preferably in writing, that they intend to attend subsequent meetings and do not want to be dropped.

Students who fail to attend initial class meeting(s) as required and who fail to contact the instructor in advance of the absence **may be dropped from the course by the instructor.**

Students are required to log into online classes within the first five days of the term. Class accessibility begins on the first day of each term. Students are expected to access online classes the first day. Students must log into online classes within the first five days of the term or may be dropped to make space for other students.

Students enrolled in classes of high demand and/or limited availability are particularly vulnerable to a drop for nonattendance. Students who receive an Administrative Drop for Nonattendance will receive full credit for tuition paid. Dropping and reinstatement are at the instructor's discretion during the first 20% of the term. (See Academic Calendar for specific calendar dates.) Students are NOT automatically dropped for non-attendance.

8 GET YOUR ONECARD STUDENT ID

OneCard is the official ID card for the College. Students are required to show their OneCard to access the Lifetime Activities Center (Taylorsville Redwood Campus) to use the facilities or attend events. OneCard may be used to check out materials from SLCC libraries, access student computer labs (computers and printers), and as identification at SLCC Testing and Placement Centers.

Students may also use OneCard as a debit purchase card for account payments, as well as dining, bookstore, vending machines, and the Copy Center. The OneCard is also required to obtain printing at the various computer labs.

OneCard ID Centers are located at:
TAYLORSVILLE REDWOOD, (801) 957-4022
SOUTH CITY, (801) 957-3407
LARRY H. MILLER CAMPUS, MFEC 117A, (801) 957-5379
JORDAN, (801) 957-2600

CALL ONE OF OUR ID CENTERS FOR MORE INFORMATION ABOUT OBTAINING A ONECARD ID, OR VISIT www.slcc.edu/onecard.

9 PAY TUITION AND FEES

Additional information about tuition and fees is available in the **THINGS YOU SHOULD KNOW** section of this catalog.

HOW MUCH DOES IT COST?

Important deadlines for undergraduate (UG) registration and payment of UG tuition/fees will be published each semester in Class Schedules. Tuition and fees rates for the 2012-2013 academic year are as follows:

(For School of Applied Technology non-credit courses and program tuition, see the sections under the School of Applied Technology.)

2012-2013 TUITION AND FEES

CREDIT HOURS	RESIDENT TUITION/FEES	NON-RESIDENT TUITION/FEES	APPRENTICESHIPS TUITION/FEES BY CLASS
1	167.00	453.00	97.00
2	299.00	870.00	155.00
3	431.00	1,287.00	213.00
4	563.00	1,704.00	271.00
5	695.00	2,121.00	329.00
6	827.00	2,538.00	387.00
7	959.00	2,955.00	445.00
8	1,091.00	3,372.00	503.00
9	1,223.00	3,789.00	561.00
10	1,355.00	4,206.00	619.00
11	1,470.00	4,606.00	677.00
12-18	1,585.00	5,006.00	735.00
19	1,700.00	5,406.00	793.00
20	1,815.00	5,806.00	851.00
21	1,930.00	6,206.00	909.00
22	2,045.00	6,606.00	967.00
23	2,160.00	7,006.00	1,025.00
24	2,275.00	7,406.00	1,083.00
25	2,390.00	7,806.00	1,141.00

Approval for more than 21 credit hours must be obtained from the appropriate College Department of the student's current program or from the Director of Academic Advising. Each credit hour in excess of 18 is charged an additional tuition rate of $110.00 per resident credit hour, $383.00 per non-resident credit hour, and $55.00 per apprenticeship credit hour. For summer term only, all undergraduate students are charged tuition at the resident tuition rate regardless of residency status.

BILLING STATEMENTS

Through MyPage, each student is provided a MyPage email account for communication with the institution, faculty and staff. Official documents, billing statements, or Income Tax documents may be sent electronically to this email account. Please check your email account upon registration and periodically throughout each semester.

NOTES:
A $50 Late Payment Fee will be charged after payment deadline to all student accounts with unpaid Tuition and Fees.

- Some courses will have laboratory or special fees attached. See current class schedule for specific information.
- International students are charged an additional $40 administrative fee per term.

SCHOOL OF APPLIED TECHNOLOGY COSTS AND FEES

For Utah residents, costs for most School of Applied Technology courses and programs are $1.75 per clock hour of instruction which does not include student fees. Books and supplies are separate and are subject to change. See a School of Applied Technology Advisor for total program costs, or see the School of Applied Technology section of this catalog.

RESIDENT FEES - DISCLOSURE OF HIGHER EDUCATION COST AS PER THE PROVISIONS OF HOUSE BILL 248

"Full-time resident students at Salt Lake Community College paying a semester tuition and fee amount of $1,466 contribute an estimated 53% to the full cost of instruction per full-time student of $2,757. The remaining support for the full cost of instruction is provided by $1,291 of state tax funds and $0 of other institutional revenue sources."

HOW DO I PAY?

Verify the accuracy of the tuition and fees charged to your student account through the Internet at mypage.slcc.edu.

ONLINE...

Pay online 24/7 on MyPage, at mypage.slcc.edu using a personal check, savings account transfer, credit card, or debit/credit card. We accept VISA, MasterCard, American Express and Discover/Novus cards.

- Access the payment portal by logging on to MyPage
- Click on the "Student" tab
- Go to Student Payment Options
- Scroll to the Semester for which money is due
- Click on the payment icon
- Complete as instructed

BY TELEPHONE...

Call **Tuition Express - (801) 957-3914** with a credit card or debit/credit card. Monday through Friday, 8 a.m. until 4:30 p.m. MST.

BY MAIL...

SALT LAKE COMMUNITY COLLEGE
ATTN: CASHIER SERVICES
PO BOX 30808
SALT LAKE CITY, UT 84130-0808

OR, PAY IN PERSON AT ANY CASHIER OFFICE

Pay tuition as well as fees for admission applications, transcripts, and graduation applications at any Cashier window during posted hours. Extended hours for services are available at Cashier Express Monday through Thursday until 8 p.m. Cashier Express is located on the second level of the Student Center at the Taylorsville Redwood Campus.

WHEN DO I PAY?

Tuition and fees are due at the beginning of each semester. See the semester class schedule for the specific payment due date. Students pay for School of Applied Technology courses at the time of enrollment.

DISHONORED CHECKS

If your check is returned, a returned check fee will be assessed and a **hold** will be placed on your academic records.

NOTE: SLCC pursues collections to the fullest extent of the law.

HOW DO I PAY USING FINANCIAL AID OR A VOUCHER?

FINANCIAL AID

Apply for Financial Aid in a timely fashion (see Financial Aid section).

Applying for Financial Aid does not guarantee payment of tuition and fees.

Students are responsible to pay for all registered classes by the tuition due date.

SPONSOR VOUCHERS

Provide the sponsor issuing the payment voucher with the total amount due.

Submit the voucher to Cashier Services (see semester class schedule for locations).

Vouchers must be received on or before the tuition due date stated in the semester class schedule.

WHAT OTHER FINANCING OPTIONS ARE AVAILABLE?

- Financial Aid
- Semester Tuition Installment Loan (STIL)
- Sponsor Voucher

WHAT IS A SEMESTER TUITION INSTALLMENT LOAN (STIL)?

Students approved for this loan make monthly installments due the tenth of each month over the course of the semester. A non-refundable $30.00 processing fee is added to the total tuition and fees. See the Accounts Receivable Office for further instructions.

WHO IS ELIGIBLE FOR STIL?

All students can sign up for the Semester Tuition Installment Loan.

HOW DO I APPLY?

- Complete and submit an online application form:
- Log on to MyPage
- Enter **User Name** and **Password**
- Click **Student** tab
- Click **Online Payment Plan (STIL)**
- Select the **Term** click **Continue With Application**
- Complete all applicant and reference information.

You will then be redirected to the secure online payment portal. Students must pay their first installment when they complete and submit their application. Any additional Tuition and Fees will be automatically added to the STIL contract.

REFUNDS

Refunds are given to students who have received Financial Aid in excess of their tuition and fee charges, and to students who made payments but then DROPPED those classes within the 100 percent refund period.

HOW DO I GET MY REFUND CHECK?

- Refunds are processed after Financial Aid has applied to your student account or after the last day to drop classes at 100%.
- Refunds are deposited electronically to the student's Discover prepaid card if the student is enrolled.
- Refunds are deposited electronically to the student's bank account if the student is enrolled in direct deposit.
- Refund checks are mailed to the student's current mailing address.
- Payments made online will be credited to the original card. In person, credit payments will be refunded with a check to the cardholder unless otherwise requested. Call the Cashier Office at (801) 957-4868 Option 6 for more information.
- Confirm that your refund has been requested on your student account summary at MyPage, mypage.slcc.edu.

10 BUY TEXTBOOKS AND SUPPLIES

Students can purchase text books at one of several convenient College Stores on one of four campuses. Books are organized alphabetically by course ID to make them easier to find. By purchasing textbooks early, students avoid the last-minute rush, ensuring themselves a larger selection of new and used books.

Books may also be purchased online at bookstore.slcc.edu Online orders are generally shipped within 24 hours. There is a $6 shipping and handling fee per book. See the Services and Resources for Students section of this catalog for more information about the College Store.

? HAVE A QUICK QUESTION? VISIT STUDENT EXPRESS!

Located on the second floor of the Student Center at the Taylorsville Redwood Campus, Student Express provides information regarding admissions, interpretation of the Accuplacer, ACT or SAT scores, selection of classes, registration, financial aid and other basic student questions. Staff is available to assist students in the Student Express Computer Lab with College online services (setting up MyPage accounts, class searches, registration, degree evaluation, etc.). Similar services are available at Jordan, Miller and South City Locations.

Degrees and General Education Requirements

Degrees and Definitions

SLCC OFFERS THE FOLLOWING DEGREES:

Associate of Arts
Associate of Arts in Business
Associate of Science
Associate of Science in Business
Associate of Pre-Engineering
Associate of Applied Science (in many areas)

AS WELL AS:

Diplomas
Certificates of Completion
Certificates of Proficiency
Letter of General Education Completion

Each of the following definitions includes the applicable Board of Regents Policy 401 definition.

ASSOCIATE OF ARTS (AA) AND ASSOCIATE OF SCIENCE (AS) DEGREES

The Associate of Arts (AA) and the Associate of Science (AS) degrees are programs of study primarily intended to encourage exploration of academic options, provide a strong general education component, and prepare students for upper-division work in baccalaureate programs or prepare for employment. Board of Regents policy requires a minimum of 60 and a maximum of 63 credit hours, which include 30 to 39 credit hours of general education, for an associate's degree. **SLCC requires a minimum of 34 credits in General Education and 61 credits overall.** (The AA degree at SLCC also includes a foreign language requirement. See the specific courses accepted in the General Education section.) The remainder of the credits may be taken in a variety of subject areas or may be taken in a specific subject area in preparation for a particular major. Recommended courses for specific subject areas are indicated within the program pages describing the offerings.

The Associate of Arts (AA) and the Associate of Science (AS) degrees are called "transfer" degrees because they satisfy the lower division general education requirements for a baccalaureate degree at all Utah public institutions of higher education and select pre-major requirements. Be aware that the completion of an AS or AA degree does not guarantee automatic acceptance into any specific major at other colleges and universities; some four-year major programs are restricted and require a special application as well as a competitive GPA.

SLCC faculty continually strive to articulate course offerings with other institutions both within Utah and out of state. SLCC Academic Advisors and advisors at the student's intended receiving institution can assist students with specific course articulation information. Information is also available at: www.utahsbr.edu/acad01c.html.

The Associate of Arts in Business and the Associate of Science in Business are fully articulated and transfer to business baccalaureate programs at four-year institutions throughout the Utah System of Higher Education.

For further information about transferring, see the **THINGS YOU SHOULD KNOW** section of this catalog.

ASSOCIATE OF PRE-ENGINEERING (APE) DEGREE

Associate of Pre-Engineering (APE) degrees are programs of study that include extensive specialized course work intended to prepare students to initiate upper-division work in baccalaureate programs. A minimum of 68 and a maximum of 85 credit hours, including a minimum of 28 credit hours of preparatory, specialized course work and general education requirements that are less extensive than in AA or AS Degrees, are necessary for completion of the degree.

Because students do not fully complete general education requirements while completing a specialized associate degree, they are expected to satisfy remaining general education requirements in addition to upper-division baccalaureate requirements at the receiving institution. See engineering programs for specific program requirements.

Completing an APE degree does not guarantee automatic acceptance into any engineering major at other colleges and universities. Most four-year engineering programs are restricted and require a special application and a competitive GPA.

ASSOCIATE OF APPLIED SCIENCE (AAS) DEGREE

Associate of Applied Science (AAS) degrees are programs of study intended to prepare students for entry-level careers. A minimum of 63 and a maximum of 69 credit hours, including general education requirements that are less extensive than in AA or AS degrees, are required.

Many of the courses contained in AAS degrees will transfer to other institutions due to articulation agreements. Check with individual department coordinators or academic advisors for specifics.

At SLCC, the AAS degree requires a minimum of 14 credits of general education (11-14 credits in core academic skills and 3-6 credits in distribution courses). The degree is awarded in a specific program area. For example: "Associate of Applied Science In Accounting" or "Associate of Applied Science in Welding."

AAS EMPHASIS

An AAS Emphasis indicates a specific subject or focus area within a defined AAS program. The emphasis requirements fulfill the requirements for the AAS degree and are indicated as an emphasis of the AAS degree. For example: "Associate of Applied Science in Architectural Technology/CAD and Computer Graphics Emphasis."

Some Utah institutions (such as Utah Valley University, Weber State University, University of Utah and the University of Phoenix) will accept credits from certain AAS degrees toward Baccalaureate degree programs. Students who complete an AAS degree may also complete additional General Education courses to obtain an AS degree.

CERTIFICATE OF COMPLETION

Certificate of Completion programs consists of a coherent sequence of courses 30 credit hours or 900 clock hours or more, with general education requirements. These certificates are designed for entry-level employment or subsequent completion of an associate degree; they may be in rapid response to business and industry.

Certificates of Completion may be awarded through the various Schools. Programs are comparatively short-term (generally one year in length) and may be measured by credit hours or clock hours.

Certificate of Completion programs are generally 30-40 credit hours. Programs of 30 semester credits or more including human relations, communication, and computation components as outlined by the regional accrediting body are offered through the Graduation Office. This requirement may be met in a variety of ways prescribed by each program (see individual offerings for specific requirements).

CERTIFICATES OF PROFICIENCY

An SLCC department, division, or school may award a Certificate of Proficiency to students completing particular courses or sequences of courses. These indicate a stand-alone specialization and certify and/or recognize mastery or competency in the specific course(s) taken.

DIPLOMA

Diplomas are awarded by various schools within Salt Lake Community College. They are comparatively short-term and require approximately 40-62 credit hours.

LETTER OF GENERAL EDUCATION COMPLETION

The Letter of Completion meets the general education requirements of and will transfer to USHE institutions. The Letter provides verification to USHE institutions that the student has satisfied the lower division General Education requirements of an AS or AA degree. Students must complete 9 credit hours or 25% of the required credits directly from SLCC and must hold matriculated status and earn an overall grade point average of at least 2.0 on a 4.0 scale. Salt Lake Community College offers the Letter of Completion as outlined in Board of Regents Policy R470. Details regarding General Education requirements at SLCC follow in the next section of the catalog.

SAMPLE SCHEDULE

Most two-year degrees may be completed in four semesters if students enroll full time (15 credits or more). Students must carefully plan their academic calendars based on required prerequisites and class availability by semester. Consulting with an SLCC academic advisor is recommended for such planning.

Schedules shown within program offerings are labeled as "Sample Schedules;" they must be adjusted to meet each individual student's needs. Consulting with an SLCC academic advisor is strongly recommended.

COURSE NUMBERING INFORMATION

Courses at Salt Lake Community College are identified by an alphabetic prefix (two to four letters) followed by a four-digit number. Numbers beginning with a "1" generally indicate a course designed primarily for freshman (such as ENGL 1010); numbers beginning with a "2" generally indicate courses designed primarily for sophomores (such as MATH 2010); numbers beginning with a "0" are non-transferable (such as DE 0900.)

Career and Technical Education(CTE)

Career and Technical Education (CTE) includes a wide range of programs, either credit or non-credit, specifically designed to prepare students to enter the workforce immediately upon completion. Every AAS degree, certification, and diploma is part of CTE, and includes programs such as: Nursing, Cosmetology, Automotive Repair, Construction Management, Culinary Arts, Professional Pilot, HVAC, Welding, Apprenticeships, and more.

Students in CTE programs are highly recruited by businesses and industries. SLCC has relationships with businesses and industries within the community and can help CTE graduates get into a career upon graduation. Job placement for graduates in some of the most common CTE programs are over 90 percent. In some cases, students may be hired before they graduate and are able to complete their education at company expense.

SLCC partners with more than 30 local high schools and allows students to begin CTE training during high school through SLCC's concurrent enrollment program. Concurrent enrollment allows students to earn high school and college credit at the same time, speeding their entry into the workforce.

Through SLCC's articulation pathways program, many students completing a two-year Associate of Applied Science (AAS) degree can go on to earn Baccalaureate degree at participating four-year institutions, some of which teach programs on SLCC campuses through the University Center. Many CTE and University graduates return to SLCC for recertification or continuing education throughout their careers.

CTE is designed to teach students skills with hands-on experience and earn a degree at the same time. All CTE degrees and certifications are identified in the general catalog with CTE or **CTE**.

To learn more about SLCC Career and Technical Education opportunities go to www.slcc.edu/cte.

Additional Opportunities

APPRENTICESHIPS

DIVISION OF APPRENTICESHIP
CONSTRUCTION TRADES BUILDING, ROOM 222, (801) 957-4066

GENERAL INFORMATION

Apprenticeship programs are composed of two parts: (1) on-the-job training is provided by a sponsor who exposes the apprentice to practical applications in all phases of a particular craft; (2) classroom-related instruction is designed to provide the apprentice with knowledge of theoretical and technical aspects of their craft. Total completion of an apprenticeship program will take up to five years, depending upon the craft. See page 269 for further information.

CONTINUING EDUCATION

TAYLORSVILLE REDWOOD CAMPUS
4600 SOUTH REDWOOD ROAD
P.O. BOX 30808
SALT LAKE CITY, UTAH 84130-0808
(801) 957-5817
WWW.SLCC.EDU/CONTINUINGED

Continuing Education (CE) focuses on programs designed to meet the needs of business, industry, agencies, and professionals in their fields. Programs range from on-going career oriented programs to upgrade and customized training focused on development of a particular skill. CE also focuses on on-site delivery of programs and courses. See page 241 for further information.

SCHOOL OF APPLIED TECHNOLOGY

HIGHLAND CENTER
3760 SOUTH HIGHLAND DRIVE, SUITE 200
SALT LAKE CITY, UTAH 84106-4206

MEADOWBROOK CAMPUS
250 WEST 3900 SOUTH
SALT LAKE CITY, UTAH 84107-1459

SOUTH CITY CAMPUS (ADMISSIONS)
1575 SOUTH STATE STREET, ROOM W137D
SALT LAKE CITY, UTAH 84115-1610

TAYLORVILLE REDWOOD CAMPUS
4600 SOUTH REDWOOD ROAD
P. O. BOX 30808
SALT LAKE CITY, UTAH 84130-0808

WESTPOINTE CENTER
2150 WEST DAUNTLESS AVENUE (1000 N.)
SALT LAKE CITY, UTAH 84116

www.slcc.edu/sat

The School of Applied Technology offers a variety of non-credit CTE courses and programs ranging from 10 to over 1200 clock hours in length at seven SLCC campuses/centers. It also offers classes in Adult Basic Education (Reading, Writing, and Math), GED preparation, English as a Second Language (ESL) and other vocational preparation basic skills courses. All programs are VA eligible and most programs 600 clock hours in length or longer are Financial Aid eligible.

UNIVERSITY CENTER

TAYLORSVILLE REDWOOD CAMPUS, (801) 957-4824
www.slcc.edu/universitycenter

The University Center, in coordination with other institutions of higher education, offers a limited number of evening baccalaureate level programs at SLCC sites to students who have completed or nearly completed Associate of Science degrees, and in some cases Associate of Applied Sciences degrees. See page 66 for further information.

General Education Requirements

WHY GENERAL EDUCATION?

General Education courses teach basic skills as well as broaden a student's knowledge of a wide range of subjects. Education is much more than the acquisition of facts; it is gaining the strategies and skills to use information in meaningful ways in order to enrich one's life. While the subject of each course is important and useful, we become truly educated through making connections of such varied information with the different methods of organizing human experience that are practiced by different disciplines. General Education courses focus on communication, creativity, and critical thinking along with the substance of the course's information, an appreciation of the esthetics of the area of study and its connection to the larger social web. General Education enables students to:

- Develop broader perspectives and deeper understandings of their communities and the world.
- Explore a wide variety of topics with an eye toward discovering new interests and uncovering new talents.
- Challenge previously held assumptions about the world and its inhabitants.
- Develop vital workplace skills.
- Find ways to make contributions to their communities, nations and world.
- Learn strategies and skills that can be used for life-long learning.

GENERAL EDUCATION ePORTFOLIO

Electronic Portfolios are a course-level requirement in all General Education courses at SLCC. Students in each Gen Ed course will be asked to put at least one important assignment into his/her Gen Ed ePortfolio. As Gen Ed courses are taken, students will build a showcase of their breadth and depth of knowledge and skills.

Instructors will also ask students to reflect on the signature assignment put in the portfolio, on its connection to other Gen Ed assignments done, on the students' own intellectual growth, on the connection between Gen Ed and the program of study, and/or on progress toward SLCC's college wide learning outcomes. Moreover, the Gen Ed ePortfolio will allow students to document goals, extracurricular activities, and their resumes.

While instructors are responsible for making assignments, helping students complete them successfully, and grading them, faculty are not responsible for helping the student build the ePortfolio itself. SLCC has courses, workshops and online tutorials that can help. For more information about this help and the overall Gen Ed ePortfolio initiative, visit
www.slcc.edu/gened/eportfolio

SLCC GENERAL EDUCATION COURSE CATEGORIES:

General Education Categories are: Core Skills and Institutional Requirements.
General Education requirements for the Associate of Arts (AA) and Associate of Science (AS) transfer degrees are different from the Associate of Applied Science (AAS) degree.

CORE SKILLS

The three categories of Core Skill courses for all **ASSOCIATE OF ARTS (AA)** and **ASSOCIATE OF SCIENCE (AS)** degrees are **Composition (EN)**, **Quantitative Literacy (QL)**, and **American Institutions (AI)**. These core courses are required at every institution in the Utah System of Higher Education. In addition, all **ASSOCIATE OF ARTS (AA)** degrees require competency at a first year level of World Language (LN). For more information about this requirement, see Language and Culture Department in this catalog.

Core Skill Courses required for all **ASSOCIATE OF APPLIED SCIENCE (AAS)** degree programs by SLCC's accrediting agency, Northwest Commission on Colleges and Universities, are communication, computation, and human relations. These core skills are filled by **Composition (EN)**, **Communication (CM)**, **Quantitative Studies (QS)**, and **Human Relations (HR)** courses at SLCC.

INSTITUTIONAL REQUIREMENTS

All **ASSOCIATE OF ARTS (AA)** and **ASSOCIATE OF SCIENCE (AS)** degrees at SLCC require students to take courses in the following four categories: **Lifelong Wellness (LW)**, **Computer Literacy (CL)**, **Student Choice**, and

General Education Distribution Areas (BS, FA, HU, PS, SS, ID). In addition, students must complete one **Diversity** (DV) course within their selection of Distribution courses.

- The Lifelong Wellness (LW) requirement can be fulfilled by completing a Health and Lifetime Activities course, or by submitting a DD 214 document from the military.
- The Computer Literacy (CL) requirement can be fulfilled by passing a competency test or taking CIS 1020. Information regarding the Challenge Exam can be viewed at www.slcc.edu/csis.
- The Student Choice category allows the student to choose between taking a Depth course or an Intensive course (IN). A Depth course is a second course in any of the General Education Distribution Areas and may fulfill the Diversity requirement if marked with (DV). Intensive Courses (IN) are listed in the AS/AA general education outlines below.
- The Diversity (DV) course requirement does not require the student to take an extra course. Within the six General Education Distribution Areas listed below, students must take at least one course that also critically examines the history, contributions of and challenges confronting diverse groups within our multicultural society of the United States. These diversity courses are marked with (DV) in the General Education Distribution Areas course listing that follows.
- Associate of Arts (AA) degrees require study of a World Language (LN) as part of General Education. For more information about this requirement, see Language and Culture Department in this catalog.
- All ASSOCIATE OF ARTS (AA) and ASSOCIATE OF SCIENCE (AS) degrees at SLCC require students to take a total of six courses (18 credit hours) in the Distribution Areas, with one course from each of the following areas: Biological Sciences (BS), Fine Arts (FA), Humanities (HU), Physical Science (PS), Social Sciences (SS), and Interdisciplinary (ID). Within the six courses (or the Depth course), students must select one course that satisfies Diversity (DV).

ALL **ASSOCIATE OF APPLIED SCIENCE (AAS)** degrees at SLCC require students to take one to two courses (3 to 6 credits) from the list of General Education Distribution Areas.

GENERAL EDUCATION DISTRIBUTION AREAS

Biological Sciences (BS) courses introduce students to the concepts of structure, function and development at the molecular, cellular and organismal levels. Students will learn specific ways of knowing and relating to the biological elements of human experience. They will understand, value and use science as a process of obtaining knowledge based on observable evidence. They will understand that human beings are living organisms dependant on the biological world for survival and quality of life.

Fine Arts (FA) courses show the connection between the arts and society, which will provide avenues for understanding and respecting different cultures and their artistic expressions. Students will use the artistic process and forms of artistic expression to depict and express human experience, emotions and thought by means of verbal, visual and aural images, metaphors and design.

Humanities (HU) courses express the human spirit and celebrate our emotions and intelligence by making connections between the forces that shape reality in culture and society: language, history, beliefs, and philosophy. Students will recognize and appreciate the different cultural achievements and legacies of civilization. Students will learn to integrate moral, ethical and esthetic judgments in many contexts.

Physical Sciences (PS) courses help students learn to recognize the manifestations of physical phenomena of the everyday world. Students will learn how to assess the credibility of scientific information and will begin to use concepts of physical science to understand physical events and solve daily problems.

Social Sciences (SS) courses view human behavior from different perspectives including societal, cultural, historical and geographical. Students will increase their understanding of the complexity of the human experience and their awareness of the variety of human behavior and institutions. Students will gain a greater appreciation for the diversity of human potential.

Interdisciplinary (ID) courses are designed to study topics from more than one disciplinary approach or framework. For practical reasons, colleges tend to divide study into categories, such as the ones listed above. In reality, all fields of study are connected. Interdisciplinary courses help make these connections apparent and enrich student understanding of the complexity of the world and our knowledge of it.

Transfer **NOTES:** SLCC's AS or AA degrees satisfy the lower division General Education requirements for a Baccalaureate degree at Utah's public colleges and universities as well as BYU and Westminster College. Students who transfer without the AS or AA degree may elect to complete SLCC's General Education requirements and obtain a "Letter of General Education Completion," which will also be recognized by Utah's public colleges and universities as satisfying lower-division general education requirements. Students transferring to BYU without an AS or AA degree should obtain advising in the selection of General Education courses.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS) GENERAL EDUCATION REQUIREMENTS

In addition to the 14-20 credits outlined below, students will need to complete additional credits in their academic program for a total of 63-69 credits to graduate with an AAS degree. Individual program descriptions outline program requirements.

NOTE: Some academic programs may recommend different courses for General Education. Recommendations are **not** requirements, but faculty have decided that such recommendations may aid the student in the future, especially when transferring. Check specific **program descriptions** provided in this catalog.

The General Education requirements for an **ASSOCIATE OF APPLIED SCIENCE (AAS)** degree will be considered fulfilled when a student has completed 14-20 credit hours in the following areas:

AAS CORE SKILLS: 11-14 CREDITS

COMPOSITION (EN) 3 CREDITS

ENGL	1010	Introduction to Writing (EN)	3

QUANTITATIVE STUDIES (QS) 3–5 CREDITS

APPR	1470	Math for the Trades (QS)	5
ART	1210	Math for Visual Arts (QS)	3
BRC	1470	Barbering/Cosmetology Math (QS)	3
CMGT	1100	Construction Math (QS)	3
CHEF	1320	Business Math (QS)	3

CPA	1470	Math for the Trades (QS)	5
CPI	1470	Math for the Trades (QS)	5
ELI	1470	Math for the Trades (QS)	5
FIN	1380	Financial Mathematics (QS)	3
FMTA	1470	Math for the Trades (QS)	5
HVAC	1470	Math Basics for HVAC (QS)	5
IND	1120	Math for Industry (QS)	3
MATH	1010	Intermediate Algebra (QS)	4
MATH	1020	Math for Health Disciplines (QS)	3
PLI	1470	Math for the Trades (QS)	5
SVT	1110	Surveying Math I (QS)	4

NOTE: In selecting a QS course to fulfill General Education requirements for an AAS, students must consult their academic program in this catalog.

COMMUNICATION (CM) 3 CREDITS

COMM	1010	Elements Of Effective Comm. (CM, IN)	3
COMM	1020	Principles of Public Speaking (CM, IN)	3
CTEL	1020	Career Speech Skills (CM)	3

NOTE: In selecting a CM course to fulfill General Education requirements for an AAS, students must consult their academic program in this catalog.

HUMAN RELATIONS (HR) 2–3 CREDITS

ART	1150	Art Foundation Seminar (HR) *(Recommended for Visual Art & Design students only)*	2
COMM	2110	Interpersonal Communication (HR, ID)	3
CTEL	1010	Leadership & Team Building (HR)	3
ENGL	1030	Writing In Professions (HR)	3
LE	1220	HR for Career Development (SS, HR)	3
MKTG	1010	Customer Service (HR)	2
MKTG	1960	Professionalism in Business (HR)	3

NOTE: In selecting an HR course to fulfill General Education requirements for an AAS, students must consult their academic program in this catalog.

AAS INSTITUTIONAL REQUIREMENTS: 3–6 CREDITS

Students must take one to two courses (3–6 credits) from the list of General Education Distribution Areas (BS, FA, HU, PS, SS, ID).

NOTE: See individual program descriptions for possible program-specific recommendations for course selection in these distribution areas.

ASSOCIATE OF SCIENCE/ ASSOCIATE OF ARTS DEGREE (AS/AA) GENERAL EDUCATION REQUIREMENTS

This section outlines the General Education requirements for the Associate of Science (AS) and the Associate of Arts (AA) degrees.

AS and AA degrees require a minimum of 34 credit hours in general education requirements as outlined below. The AA also includes a minimum of five credits of World Language at the second semester level. **Students must complete a minimum of 61 credits, including the General Education requirements to graduate with an AS or AA degree**.

NOTE: Some academic programs may recommend different courses for the General Education requirements than those listed below. General Education recommendations are **not** requirements, but faculty have decided that such recommendations may aid the student in the future, especially when transferring. See academic programs listed alphabetically in the program descriptions section of this catalog.

The General Education requirements for an **ASSOCIATE OF SCIENCE**, an **ASSOCIATE OF ARTS**, or a **"Letter of General Education Completion"** will be considered fulfilled when a student has completed a minimum of 34–40 credit hours in the following areas:

AA/AS CORE SKILLS: 12–13 CREDITS

Composition (EN) 6 Credits

ENGL	1010	Introduction to Writing (EN)	3
	AND		
ENGL	2010	Intermediate Writing (EN)	3
	OR		
ENGL	2100	Technical Writing (EN)	3

NOTE: Students whose Accuplacer score places them into ENG 2010 still need to complete two English Writing courses (6 CR) to satisfy the Composition (EN) Core Skills in General Education requirement. In addition to ENGL 2010, choose from one of the following: ENGL 1010, ENGL 2100, ENGL 2250, BUS 2200, or take the English CLEP exam (contact SLCC Testing Center).

Quantitative Literacy (QL) 3-4 Credits

MATH	1030	Quantitative Reasoning (QL)	3
	OR		
MATH	1040	Introduction to Statistics (QL)	3
	OR		
MATH	1050	College Algebra (QL)	4
	OR		
MATH	1060	Trigonometry(QL)	3
	OR		
MATH	1080	PreCalculus(QL)	5
	OR		
MATH	1090	College Algebra-Business (QL)	3

NOTE: In selecting a QL course to fulfill General Education requirements for an AS or AA, students must consult their academic program and the institution to which they intend to transfer. Math requirements may vary at four-year institutions.

American Institutions (AI) 3 credits

ECON	1740	Economic History of the U.S. (AI)	3
	OR		
HIST	1700	American Civilization (AI)	3
	OR		
POLS	1100	US Government & Politics (AI)	3

AA/AS INSTITUTIONAL REQUIREMENTS (4-7 CREDITS)

Lifelong Wellness (LW) 1 Credit

Any course designated in its title as (LW), currently including most HLAC courses, some DANC courses, and HLTH 1240.

Student Choice 3 Credits

DEPTH:

Any second course from one of the General Education Distribution Areas

OR

INTENSIVE (IN):

BUS	2200	Business Communication (IN)	3
COMM	1010	Elements of Effective Comm (IN, CM)	3
COMM	1020	Principles of Public Speaking (IN, CM)	3
COMM	1270	Analysis of Argument (IN)	3
PHIL	1250	Reasonable. & Ratnl. Decision-Making (IN)	3
TECH	1030	Complex Devices Simplified (IN)	3

General Education Distribution Areas 18-21 Credits

Students must take one course (3 credits) from each of the following six areas (BS), (FA), (HU), (PS), (SS), and (ID). One of the six courses must also be a Diversity course (DV).*

NOTE: Some courses may be cross-listed between distribution areas, but each may only count as fulfilling one distribution area. See individual program descriptions for possible program-specific recommendations for course selection in these distribution areas.

BIOLOGICAL SCIENCES (BS)

ANTH	1020	Human Origins (BS)	3
BIOL	1010	Introduction to Biology (BS) + Lab (1015)	4
BIOL	1030	Introduction to Plant Biology (BS) + Lab (1035)	4
BIOL	1050	Introduction to Animal Biology (BS)	4

BIOL	1070	Introduction to Marine Biology (BS) +Lab (1075)	4
BIOL	1090	Human Biology (BS)	3
BIOL	1120	Introduction to Conservation Biology (BS)	3
BIOL	1610	College Biology I (BS) + Lab (1615)	4

NOTE: Students must register for lecture and lab at the same time. If the lab is full, students cannot register for the lecture. (Multiple lab options are available for each lecture course offering.)

FINE ARTS (FA)

ART	1010	Exploring Art (FA)	3
ART	1020	Introduction to Drawing (non-majors) (FA)	3
ART	1040	Jewelry: Culture & Creation (FA)	3
ART	1050	Intro to Photography (FA)	3
ART	1060	Calligraphy–Design and History (FA)	3
ART	1375	Photographing Diversity (FA, DV)	3
CMGT	1110	Birth of a Flute (FA)	3
COMM	2570	Intro to Visual Comm (FA)	3
DANC	1010	Dance & Culture (FA, DV)	4
DANC	1090	Bridging the Arts (FA)	3
DANC	1100	Introduction to Ballet I (FA)	3
DANC	1200	Introduction to Modern Dance I (FA)	3
DANC	1500	Introduction to Jazz Dance I (FA)	3
DANC	1580	Introduction to Tap Dance I (FA)	3
FA	1080	Basic Metal Sculpting (FA)	3
FA	1090	Bridging the Arts (FA)	3
FLM	1023	Introduction to Film (FA)	4
FLM	1070	Film & Culture (FA, DV)	4
MUSC	1010	Introduction to Music (FA)	3
MUSC	1030	Survey of Jazz (FA)	3
MUSC	1040	US Music & Culture (FA, DV)	3
MUSC	1090	Bridging the Arts (FA)	3
THEA	1013	Survey of Theatre (FA)	3
THEA	1023	Introduction to Film (FA)	4
THEA	1070	Film and Culture (FA, DV)	4
THEA	1090	Bridging the Arts (FA)	3

HUMANITIES (HU)

ANTH	2011	People & Cultures of the Southwest (HU)	3
ANTH	2120	Sacred Traditions (HU)	3
ART	2330	Photography: A Cultural History (HU)	3
ARTH	2520	Latin American Art to 1821 (HU)	3
ARTH	2710	Art History: Prehistory/Ren. (HU)	3
ARTH	2720	Art History: Ren./Contemp. (HU)	3
COMM	1050	Elem. of Human Communication (HU)	3
ENGL	1050	Intro to Reading Contemp Culture (HU, DV)	3
ENGL	1100	Diversity in Pop US Literature (HU) (DV)	3
ENGL	2030	Language in Society (HU, DV)	3
ENGL	2250	Intro to Imaginative Writing (HU)	3
ENGL	2260	Intro to Writing Poetry (HU)	3
ENGL	2270	Intro to Writing Fiction (HU)	3
ENGL	2280	Intro to Creative Nonfiction (HU)	3
ENGL	2600	Critical Introduction to Literature (HU)	3
ENGL	2610	Diversity in American Literature (HU, DV)	3
ENGL	2630	Contemporary Global Literature (HU)	3
ENGL	2710	Introduction to Folklore (HU)	3
ENGL	2740	Introduction to Women's Studies (HU)	3
ENGL	2760	Gender and Cultural Studies (HU, DV)	3
ENGL	2810	Native American Lit Exp (HU, DV)	3
ENGL	2830	Diverse Women Writers (HU, DV)	3
ENGL	2850	GLBT Studies (HU, DV)	3
HUMA	1100	Intro to Humanities (HU)	3
HUMA	2120	Sacred Traditions (HU)	3
HUMA	2220	Pacific American Studies (HU, DV)	3
HUMA	2300	World Religions (HU)	3
HUMA	2400	Religious Diversity in America (HU, DV)	3
HUMA	2600	Decade of the '60s (HU)	3
INTL	2040	The Immigrant Experience (HU, DV)	3
INTL	2060	Intl Lit and Culture (HU, DV)	3
INTL	2230	Global French Cultures (HU)	3
INTL	2240	Latin American Studies (HU)	3
PHIL	1000	Introduction to Philosophy (HU)	3
PHIL	2300	Intro to Environmental Ethics (HU)	3
PHIL	2350	Principles & Philosophy of Religion (HU)	3

PHYSICAL SCIENCES (PS)

CHEM	1010	Introduction to Chemistry (PS)	3
GEO	1010	Introduction to Geology (PS)	3
GEOG	1000	Earth's Surface Environments (PS)	3
GEOG	1700	Natural Disasters (PS)	3
GEOG	1780	Remote Sensing of Earth (PS)	3
MET	1010	Introduction to Meteorology (PS)	3
PHYS	1010	Elementary Physics (PS)	3
PHYS	1040	Elementary Astronomy (PS)	3

SOCIAL SCIENCES (SS)

CJ	1010	Criminal Justice (SS, DV)	3
COMM	1080	Conflict Mgmt & Diversity (SS, DV)	3
ECON	1010	Economics as a Social Science (SS)	3
ECON	1600	Intro to Economic Systems (SS)	3
ECON	2010	Microeconomics (SS)	3
ECON	2020	Macroeconomics (SS)	3
EDU	1400	Study of Disabilities (SS, DV)	3
ETHS	2410	African American Culture (SS, DV)	3
ETHS	2420	Asian American Culture (SS, DV)	3
ETHS	2430	Mexican American Culture (SS, DV)	3
ETHS	2440	Native American Culture (SS, DV)	3
FHS	1500	Lifespan, Growth & Development (SS)	3
HIST	1100	Western Civ. to 1300 (SS)	3
HIST	1110	Western Civ. Since 1300 (SS)	3
HIST	1300	Colonial Latin America (SS)	3
HIST	1310	Modern Latin America (SS)	3
HIST	1450	Middle Eastern Civilization (SS)	3
HIST	1460	Modern Middle Eastern Civ (SS)	3
HIST	1500	World History to 1500 (SS)	3
HIST	1510	World History Since 1500 (SS)	3
HIST	2200	Americanization (SS, DV)	3
HIST	2600	Native American Voices (SS,DV)	3
HIST	2700	US History to 1877 (SS)	3
HIST	2710	US History since 1877 (SS)	3
HIST	2800	Utah's Diverse Heritage (SS, DV)	3
LE	1220	Human Relations for Career Dev (SS, HR)	3
POLS	2070	Diversity & US Politics (SS, DV)	3
POLS	2200	Intro to Comparative Politics (SS)	3
POLS	2300	Political Ideologies (SS)	3
PSY	1010	General Psychology (SS)	3
PSY	1100	Human Growth and Development (SS)	3
PSY	2370	Gender in America (SS, DV)	3
PSY	2600	Psych of Race, Class, Gender (SS, DV)	3
SOC	1010	Introduction to Sociology (SS)	3
SOC	2370	Gender in America (SS, DV)	3
SOC	2630	Race and Ethnicity (SS, DV)	3

INTERDISCIPLINARY (ID)*

ANTH	1010	Culture and Human Experience (ID)	3
ANTH	1030	Introduction to Archeology (ID)	3
BIOL	1400	Environmental Science (ID) + Lab 1405	4
BMAN	1110	Intro to Biomanufacturing (ID)	3
BMAN	1130	Bioengineering in Society (ID)	3
BUS	1040	Ethics at Work (ID)	3
BUS	1050	Foundations of Business (ID)	3
CIS	1070	Living in a Digital World (ID)	3
CIS	1430	Internet & HTML Fundamentals (ID)	3
COMM	1500	Introduction to Mass Communication (ID)	3
COMM	2110	Interpersonal Comm (ID, HR)	3
COMM	2150	Intercultural Communication (ID, DV)	3
COMM	2500	Elements and Issues of Digital Media (ID)	4
ENGR	1050	Intro to Nanotechnology (ID)	3
FHS	2400	Marriage and Family Relations (ID)	3
FHS	2450	Introduction to Human Sexuality (ID)	3
FIN	1050	Personal Finance (ID)	3
GEOG	1300	Regional Geography (ID)	3
GEOG	1400	Human Geography (ID)	3
GEOG	1800	Geospatial Technology (ID)	3
GEOG	2200	Urban/Environ. Issues (ID)	3
HLTH	1050	Life, Society and Drugs (ID)	3
HLTH	1110	Social Health & Diversity (ID, DV)	3
HLTH	1500	Lifetime Wellness and Fitness (ID)	3
HS	2050	Culture Ethics in Med (ID,DV)	3
HUMA	2130	Philosophy in Literature (ID)	3
INTL	2980	Travel Studies (ID)	3

INTL	2990 Study Abroad (ID)	3
LE	1020 Essentials of College Study (ID)	3
LE	1310 Mind, Machine, Consciousness (ID)	3
LE	1350 Values and Self Image (ID)	3
LE	1360 Opening Diverse Doors (ID, DV)	3
MKTG	1050 Consumerism (ID)	3
MUSC	1500 Music and Technology (ID)	3
PHIL	1120 Ethics and Moral Problems (ID)	3
PHIL	1200 Diversity & Philosophy of Work (ID, DV)	3
POLS	2100 Intro International Politics (ID)	3
SOC	1020 Social Problems (ID)	3
SOC	2400 Intermountain West and People (ID)	3
TECH	1010 Technology and the Future (ID)	3

REQUIREMENT FOR ASSOCIATE OF ARTS (AA) DEGREES ONLY

LANGUAGE (LN) 5 CREDITS*

ARB	1020 Beginning Arabic II (LN)	5
ASLI	1020 Beginning American Sign II (LN)	5
CHI	1020 Beginning Chinese II (LN)	5
FRN	1020 Beginning French II (LN)	5
GER	1020 Beginning German II (LN)	5
ITL	1020 Beginning Italian II (LN)	5
JPN	1020 Beginning Japanese II (LN)	5
NAV	1020 Beginning Navajo II (LN)	5
POR	1020 Beginning Portuguese II (LN)	5
RUS	1020 Beginning Russian II (LN)	5
SAM	1020 Beginning Samoan II (LN)	5
SPN	1020 Beginning Spanish II (LN)	5
TNG	1020 Beginning Tongan II (LN)	5

NOTE: ENGL courses are part of Core Skills and may not be used for this LN requirement. Foreign/naturalized students are not allowed to take Beginning LN courses in their native language. There may be other options; consult the Language and Culture Department page in this catalog.

ASSOCIATE OF PRE-ENGINEERING DEGREE (APE) GENERAL EDUCATION REQUIREMENTS

The Associate of Pre-Engineering degree is a specialized associate degree that requires reduced general education requirements. Students will be required to satisfy remaining general education requirements for a baccalaureate degree at the transfer (receiving) institution. SLCC engineering students should meet with the SLCC Engineering Advisor as well as a transfer advisor from the receiving institution for advising regarding general education requirements specific to Engineering majors.

CERTIFICATE OF COMPLETION OR DIPLOMA PROGRAMS' GENERAL EDUCATION REQUIREMENTS

Any program of 32 semester credit hours or more must contain communication, computation, and human relations components as outlined by the regional accrediting body (Northwest Commission on Colleges and Universities.) This requirement may be met in a variety of ways and is prescribed by each program. See individual program descriptions for specific course requirements.

SERVICE LEARNING COURSES

Service-learning is one method of being "civically-engaged," as indicated in the fifth Academic Student Learning Outcome, listed elsewhere in this catalog. SLCC has an officially recognized process for designating service-learning courses. Designated service-learning courses are listed below for your convenience and the course description also includes the service-learning designation.

CERTAIN SECTIONS TAUGHT USING SERVICE-LEARNING

Indicates courses that have a faculty member who received service-learning designation for the individual sections they teach. The service-learning designation per faculty member and for their particular section is found in the course schedule for each term.

DESIGNATED AS A SERVICE-LEARNING COURSE

Indicates that *every* section of the course taught will incorporate service-learning regardless of the faculty member teaching the section.

CERTAIN SECTIONS OF COURSES TAUGHT USING SERVICE-LEARNING

BRC	2401 Advanced Cosmetology/Barbering Lab I	4
BRC	2410 Theory-State Board Preparation	4
EDU	1400 Study of Disabilities (ID, DV)	3
ENGL	2010 Intermediate Writing (EN)	3
ENGL	2100 Technical Writing (EN)	3
ENGL	2710 Introduction to Folklore (HU)	3
HIST	1700 American Civilization (AI)	3
HIST	2700 U.S. History to 1877 (SS)	3
LE	1020 Essentials of College Study (ID)	3
MATH	1050 College Algebra (QL)	4
MATH	1220 Calculus II	4
POLS	1100 U.S. Government and Politics (AI)	3

DESIGNATED AS A SERVICE-LEARNING COURSE

EDU	1010 Orientation to Education	3
EDU	2010 Introduction to Special Education	3
LE	1220 Human Relations for Career Dev (SS, HR)	3
OTA	1140 Physical Dysfunction Lecture	3
OTA	1150 Physical Dysfunction Lab	1
OTA	1170 Physical Dysfunction Field	2
OTA	1210 OT Professional Issues I	2
OTA	1220 OT Modalities II Lecture	2
OTA	1230 OT Modalities II Lab	1
OTA	1240 Physical Dysfunction II	3
OTA	1250 Physical Dysfunction II Lab	1
OTA	1270 Pediatric FW Experience	2
OTA	2310 OT Professional Issues II	2
OTA	2320 OT Modalities Lecture III	2
OTA	2330 Modalities III Lab	1
OTA	2350 Geriatrics	3
OTA	2380 Psychosocial/Geri FW I Experience	2
OTA	2450 Fieldwork Experience II Part 1	6
OTA	2460 Fieldwork Experience II Part 2	6

Things You Should Know

Admissions

ADMISSION POLICY

SLCC welcomes students for admission to any course of study for which their qualifications indicate they can benefit, without regard to age, marital status, race, color, creed, gender, sexual orientation, national origin, disability, or status as a disabled veteran. Applicants will be admitted to credit programs at Salt Lake Community College if they have either a state-recognized high school diploma, a state-issued General Education Diploma (GED), or an associate degree or higher from a regionally accredited institution. Please review the "Getting Started" section of this catalog for SLCC admission requirements and process.

RESIDENCY CLASSIFICATION

Enrollment Services classifies all applicants for admission as either residents or nonresidents for tuition purposes following state laws as stipulated by the Utah Board of Regents at the time of application for admission. Students considered nonresidents may apply for residency reclassification after applying for admission at Salt Lake Community College. Visit www.slcc.edu/enrollmentservices for specific information regarding residency. Students making application under the Utah State Law HB 144 "Exemption from Non-Resident Tuition" may visit: www.slcc.edu/enrollmentservices for additional information and requirements.

WESTERN UNDERGRADUATE EXCHANGE PROGRAM

Students who are residents of Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Washington, and Wyoming may be eligible to participate in the Western Undergraduate Exchange (WUE) Program. This program allows students to pay reduced out-of-state tuition while maintaining residency status in their home state. Students are advised to apply early for the WUE as a limited number of spaces for the program are available. Applications are accepted in the order they are received. WUE tuition waivers are not available for all academic programs at Salt Lake Community College. Any time spent on the WUE does not count towards state requirements in obtaining Utah residency. For more information and WUE forms visit www.slcc.edu/enrollmentservices.

INTERNATIONAL STUDENTS, SCHOLARS & EXCHANGE VISITORS

Taylorsville Redwood Campus, Student Center 234
(801) 957-4528, Fax: (801) 957-4432
www.slcc.edu/iss

SLCC welcomes 350 International Students and Scholars from 70 countries. SLCC is authorized to issue the USCIS form I-20 for "F" and "M" student visa applicants. Students must complete an international application and meet all admission requirements to receive the form I-20.

DEADLINES FOR INTERNATIONAL ADMISSION

Students applying from outside of the United States:

FALL SEMESTER	JUNE 1
SPRING SEMESTER	NOVEMBER 1
SUMMER TERM	APRIL 1

Students transferring from schools within the United States:

An international application and all supporting documents must be received at least SIX (6) WEEKS before classes begin each term.

ADMISSION REQUIREMENTS

The following documents and credentials are to be submitted to International Student Services for the I-20 to be issued:

1. APPLICATION FOR ADMISSION

Complete the International Student Application for Admission with the appropriate field of study and the $75.00 non-refundable application fee. An online application is available at www.slcc.edu/iss.

2. FINANCIAL STATEMENT

The U.S. Citizenship and Immigration Service (USCIS) requires SLCC to verify that an international student provides evidence of financial resources for the length of time necessary to pursue an education in the United States. A realistic financial plan is required for the issuance of the I-20 form. Official financial documents from the student or the student's sponsor are used to demonstrate financial ability. Both an official bank statement and a notarized Financial Statement (see application packet) from the bank account holder or sponsor are required. (Faxed documents will not be accepted).

3. INTERNATIONAL STUDENT IMMUNIZATION REQUIREMENT

All students on non-immigrant visas attending Salt Lake Community College must prove that they have immunity to measles, mumps and rubella (MMR) or receive the vaccinations. Please visit the Health and Wellness Services Medical Clinic to be tested for Tuberculosis (TB) and to provide proof of immunizations. SLCC Student Health Clinic locations:

Taylorsville Redwood Campus Student Health Clinic	SC048	(801) 957-4347
South City Campus Student Health Clinic	W175	(801) 957-3323
Jordan Campus Student Health Clinic	JHS 011	(801) 957-6211

Visit www.slcc.edu/hw

4. INTERNATIONAL STUDENT HEALTH INSURANCE

Health insurance is mandatory for international students. Students who do not meet health insurance requirements will not be allowed to register for classes. Proof of insurance meeting SLCC health standards and deadlines for submission are available at www.slcc.edu/iss.

SLCC requires health insurance for international students for several reasons, including:

- Health care can be very costly in the U.S.
- The U.S. does not have a national health care plan.
- Health services may be restricted if you do not have health insurance.

International students can fulfill this requirement in one of two ways:

1. By purchasing the SLCC Student Health Insurance Plan for F-1 international students provided by Renaissance Agencies, Inc. www.renstudent.com/slcc.
2. By providing the College with proof of comparable equivalent health and accident insurance coverage that meets the College's requirements. This must be done by submitting a detailed copy of the current health insurance policy along with a Request for Insurance Waiver Form, available in International Student Services.
www.slcc.edu/iss/prosp

PROOF OF ENGLISH PROFICIENCY

5. NO TOEFL REQUIRED

SLCC offers an Intensive English Program. Upon arrival students will take the Accuplacer test (www.slcc.edu/testing) to determine their level of English proficiency and college readiness. Students needing English as a second language will enroll 20 hours per week in the ESL program.

COLLEGE PLACEMENT EXAMINATION - ACCUPLACER

A placement examination, the Accuplacer and /or the LOEP is required of all students. A minimum score of 84 on the LOEP is required to enter a major. Students scoring between 72 and 83 will be admitted to the level four English as a Second Language class. Students scoring below 72 will be admitted to the SLCC Intensive English Language Program at the School of Applied Technology. The test must have been taken within the last year.

The Accuplacer test can be taken at the Taylorsville Redwood, South City or Jordan Campus Testing and Placement Center.

SLCC does not require the TOEFL for International Admissions. If a TOEFL score is available the minimum score of 173 computer-based or 64 internet-based is required to enter a college major.

Information on the TOEFL may be obtained by writing to TOEFL, Educational Testing Service, P.O. Box 6151, Princeton, New Jersey, 08541-6151, U.S.A. Test results should be sent directly to the International Student Services Office. The SLCC Institutional Code is 4864.

A student scoring below 173 on the computer-based TOEFL or below the minimum to enter a major on the Accuplacer will be issued an I-20 for the Intensive English Program and be required to take the English-as-a-Second Language Placement Test at the School of Applied Technology. Based on these scores, students will be placed at the level of instruction appropriate for their needs.

Students applying from outside of the United States who are unable to take any of the tests listed above will be issued an I-20 for the Intensive English Program. Students will be tested upon arrival at SLCC and then placed in the classes appropriate to their level of English ability.

NOTE: Entering international students should be aware that gaining proficiency in English may require as much as ONE YEAR and may delay entry into their degree programs. Students should plan their course of study and financial support accordingly.

6. OFFICIAL PROOF OF HIGH SCHOOL GRADUATION...

or college transcripts with English translations. International admissions policy requires satisfactory completion of secondary education or the equivalent of a U.S. high school diploma.

7. COPY OF MAIN PASSPORT PAGES...

including name, photo, and passport expiration dates.

TRANSFER STUDENTS

8. NOTICE OF INTENT TO TRANSFER (TRANSFER FORM)

Students transferring from schools within the U.S. must submit a Transfer Form completed by the previous school's Designated School Official (DSO) certifying the student's status and eligibility to transfer.

9. TRANSCRIPTS

Official transcripts for each post-secondary school, college or university attended by the applicant in the United States.

FAXED DOCUMENTS ARE NOT ACCEPTED.

INTERNATIONAL TRANSFER CREDIT

Evaluations can be obtained through a foreign credential evaluation service. Information about these services is available from International Student Services international.services@slcc.edu.

NOTE: International Student Application forms are available from International Student Services or via www.slcc.edu/iss. Contact ISS directly with questions about the international application process via email at: international.services@slcc.edu.

Insurance

STUDENT ACCIDENT INSURANCE

Accident insurance is provided for students enrolled at SLCC. The policy provides limited secondary coverage for accidental injury while attending school or a school sponsored activity. For more information, please contact the SLCC Office of Risk Management at (801) 957-4533.

Placement Assessment

Matriculated students cannot register for any classes without valid placement scores from ACT, SAT or Accuplacer. This helps the student determine his/her skill level in the areas of reading, writing and math. The SLCC Testing Centers at Taylorsville Redwood, South City and Jordan Campuses administer the Accuplacer each weekday on a walk-in basis. No appointment is necessary. **A photo ID is required to take the test.**

If you are out of state and need to take the placement test, please visit www.slcc.edu/testing/accuplacer_distance.asp and follow the instructions.

The Accuplacer is an un-timed assessment, so students may take as much time as needed to complete the test. The Accuplacer is not graded on a pass/fail basis. Accuplacer test scores are also used for class placements. English is limited to one retest per

semester. Math is limited to two retests per semester. A fee is charged for each retest. Call (801) 957-4500 for more information about taking the Accuplacer.

Recent ACT or SAT scores (less than two years old) may be used in place of the Accuplacer placement. Students who have taken the ACT or SAT recently should submit an official copy of their scores to an Enrollment Services office for evaluation.

PLACEMENT ASSESSMENT STRATEGIES WORKSHOPS

The Academic and Career Advising Center offers workshops to help students prepare for the Accuplacer Placement Assessment. The workshops are open to NEW students who have not yet taken the Accuplacer, and to CONTINUING students who are interested in retaking the Accuplacer placement. For workshop content, dates and locations, please visit www.slcc.edu/testing.

English-as-a-Second Language

Applicants for whom English is not their native or first language must satisfactorily complete English-as-a-Second Language classes or must prove they are proficient in English-as-a-Second-Language. English proficiency can be demonstrated by TOEFL exam (173 or above) or the SLCC Accuplacer/LOEP exam. All non-native English speakers need to take one of these exams to determine English proficiency. For more information on ESL (English-as-a-Second-Language) classes, call the ESL coordinator at the School of Applied Technology, South City Campus, at (801) 957-3212.

Registration

All matriculated students are required to take a placement assessment called the Accuplacer (or submit ACT or SAT scores). Placement assessment must be completed before registering for any classes.

Before the beginning of each semester, students may register for classes listed in the class schedule. Class schedules are available online at www.slcc.edu/schedule.

Registration is complete when students enroll in one or more courses and tuition and fees are paid in full or payment arrangements have been made. Registration deadlines and payment due dates are listed online in MyPage.

WAITLIST

The waitlist option is available to students registering for a course section filled to capacity (i.e., closed class). Students registering for a closed class will be offered the opportunity to be put on a waitlist. Students may view waitlist status on the MyPage Student Portal. When a registered student drops a seat in a closed class, the waitlisted student will be notified by MyMail email that a seat is open in the class. Once notified by email that a seat is available, the waitlisted student has 24 hours to register for the course. If registration is not finalized within the 24-hour period, the student is dropped from the waitlist. Waitlisted students will need to attend the first day of class and receive further instructions from the faculty member.

ADDS/DROPS/WITHDRAWALS

Students are responsible for adding and dropping their own classes and should follow the procedures outlined in the class schedule. No extra charge is made for adding or dropping classes.

ADDS

Classes may be added during the scheduled registration periods. Students hoping to add a class that is closed are encouraged to continue viewing seat availability through the MyPage student portal. The waitlist option is available to students registering for a closed class.

DROPS

Classes may be dropped until the published drop deadline. Students dropping classes by the published deadline will receive a refund or adjustment of tuition. No entry is made on the student's permanent record for classes dropped by the published deadline.

WITHDRAWALS

Students may withdraw from classes after the third week through the ninth week of a semester or within the first 60% of a 7 1/2 week term. For sessions shorter than 7 1/2 weeks, see deadlines published on MyPage and in the class schedule. Withdrawal from class after the third week of the semester or 20% of the term will be shown as a 'W' on the transcript and will not be calculated in the grade point average. **No tuition refund/adjustment will be made for withdrawals.**

Exceptions to the withdrawal deadline within a term may be granted by a Division Chair or Dean or the Dean of Students, in extenuating circumstances with appropriate documentation. No exceptions will be granted after final exams have been given.

ADMINISTRATIVE DROPS FOR NON-ATTENDANCE

In order to maximize registration opportunities for all students, students are required to attend the first class meeting of any regularly scheduled class that meets once per week or at least one of the first two class meetings of any regularly scheduled class that meets more than once per week. Students who are unable to attend the initial class meeting(s) as required must inform the instructor or department office, preferably in writing, that they intend to attend subsequent meetings and do not want to be dropped.

Students who fail to attend initial class meeting(s) as required and who fail to contact the instructor in advance of the absence **may be dropped from the course by the instructor.**

Students are required to log into online classes within the first five days of the term. Class accessibility begins on the first day of each term. Students are expected to access online classes the first day. Students must log into online classes within the first five days of the term or may be dropped to make space for other students.

Students enrolled in classes of high demand and/or limited availability are particularly vulnerable to a drop for nonattendance. Students who receive an Administrative Drop for Nonattendance will receive full credit for tuition paid. Dropping and reinstatement are at the instructor's discretion during the first 20% of the term. (See Academic Calendar for specific calendar dates.) Students are NOT automatically dropped for non-attendance.

FAILURE TO DROP/WITHDRAW

Students should not assume classes are automatically dropped for non-attendance or nonpayment. Students are responsible for dropping or withdrawing from classes they (a) are not attending, or (b) do not intend to complete in the current semester. Students who stop attending a course without completing the formal drop or withdrawal proce-

dures by the published deadlines will be responsible for all tuition and fees associated with the course, and will receive a failing grade 'E' for the course with the last date of attendance recorded.

Students should drop/withdraw as early in the semester as possible. Tuition will be charged for classes not dropped by the end of the third week of the semester or 20% of a term.

REGISTRATION APPEAL

In the case of extenuating circumstances, students may appeal to drop classes after the drop period. Appeals must be initiated within one year of the semester involved. Submit completed "Registration Appeal" form with appropriate documentation to Enrollment Services. Guidelines for submitting appeals are explained on the Appeal form. Appeals may be mailed to:

Enrollment Services Appeals Committee
Salt Lake Community College
PO Box 30808
Salt Lake City, UT 84130.

For more information and to access forms, please go to www.slcc.edu/enrollmentservices.

Appeals are reviewed by a representative of the Enrollment Services Appeals Committee. Results are mailed to you within 7 business days. If you are not satisfied with the appeal decision, you may submit a second appeal with additional supporting documentation, to be reviewed by the Appeals Committee. Results of the Appeals Committee decision are final.

CREDIT HOUR LOAD IN EXCESS OF 21 CREDIT HOURS

To register for 22 credits or more, permission must be obtained from the appropriate College Department of the student's current program or from the Director of Academic Advising. Enrollment of 12 or more credit hours constitutes full-time status.

AUDITING CLASSES

Students may audit most SLCC classes for the purpose of the learning opportunity it provides, according to the following conditions:

- Tuition and fees will be assessed at the same rate for audited classes as those taken for credit.
- Students are not required to attend, take exams, or otherwise participate in classes they are auditing.
- Students do not receive Attempted or Earned credit hours for audited classes.
- Audited classes appear on student transcripts with an AU grade which is not calculated in term or cumulative grade-point averages.
- Audited classes are not counted as part of student enrollment status.
- Students will not be awarded financial aid nor receive veterans benefits for audited classes.
- Audited classes will not be considered part of Satisfactory Progress for financial aid purposes.

Students should declare their intent to audit a class at the time of registration. Exceptions may be recommended by the appropriate administrative authority. To audit a class after the add period, the instructor of the intended class will need to e-mail the request to: enrollmentexceptions@slcc.edu.

SENIOR CITIZEN ENROLLMENT

Utah Residents who have reached age 62 and over are invited to enroll in any regular class offered at reduced cost under the following conditions:

- Surplus space must be available in the class;
- Classes will be taken as an audit (non-matriculated, no college credit);
- $10 registration fee required each semester (fee does not cover cost of books, supplies, parking or special class fees, lab fees);
- Admission application must be completed. ($40 application fee waived);

Senior citizens desiring college credit must follow regular admissions and registration procedures and pay full tuition and fees.

Credit by Exam

Students may earn credit through the following examination programs: Challenge Examinations, Advanced Placement (AP), College Level Examination Program (CLEP) and International Baccalaureate (IB) Examination. Credit earned through these exams is not counted as in-residence credit.

CHALLENGE EXAMINATIONS

Students who feel that their experience or previous knowledge would enable them to successfully challenge (test out of) a course offered at SLCC may apply to take a challenge examination at the Testing and Placement Center. Challenge examinations may be taken at any time during the semester at $50 per class challenged, payable before taking the examination. Challenge examinations are not available in all classes. Students should **not** register for the class they plan to challenge. Students may choose to challenge a class they have dropped, failed, or from which they have withdrawn (receiving a " W") in a previous semeser. *However*, the challenge exam, if passed, will not automatically replace any failing or "W" grades. Students must initiate the process by completing and submitting a "Repeated Class Notification" form to Enrollment Services.

For challenge information, please contact the Testing and Placement Center at (801) 957-4500. Credits earned by challenge examinations do not contribute toward enrollment status for financial aid or veterans benefits.

Upon successful completion of the examination and other specified requirements, the course will appear on the student's transcript with a 'P' grade. Failed challenge exams will not be recorded on a student's transcript. Credit earned by challenge exam is not counted as in-residence credit. Please be aware that it may take up to three weeks for results from challenge tests to be received and posted to transcripts.

NOTE: Some colleges and universities may not accept as transfer credit a course in which a passing (P) grade has been earned.

ADVANCED PLACEMENT EXAMINATIONS

Advanced Placement Exams are administered in the High School. High school students who achieve scores of 3, 4 or 5 on an AP examination may be awarded up to 10 hours of college credit for each examination completed, as shown in **Table 1: ADVANCED PLACEMENT EXAM CREDIT**.

SLCC will recognize Advanced Placement with credit only for those freshman-level areas which apply to the graduation requirements of the specific major and the established general education requirements for graduation from the chosen program. Official results must be sent directly from College Board to Enrollment Services at SLCC. Please vist www.slcc.edu/transcriptevaluation/AP_Exam_Credit.pdf for further information.

Abbreviation	Description
CR	Credit
GS	General Studies
BS	Biological Science General Education Credit
ELV	Elective
FA	Fine Arts General Education Credit
HU	Humanities General Education Credit
ID	Interdisciplinary General Education Credit
PS	Physical Science General Education Credit
SS	Social Science General Education Credit
V/T	Vocational/Technical

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

CLEP is a national program of examination to evaluate and confirm the academic achievement of individuals who have reached a college level of education through either traditional or non-traditional means of study. SLCC awards credit only for the CLEP exams shown in **Table 2: CLEP EXAM CREDIT**. Additional CLEP tests can be taken at SLCC Testing and Placement Centers for the purpose of transferring to other institutions.

Credit is not awarded if duplicated by previous course work and credit is not given for the mathematics general examination. A non-refundable fee (per test) is required at or before the time of testing.

To maximize the granting of credit for foreign language and the transferability of the credit to other (state) institutions, students need to take take the University of Utah or Brigham Young University language exam. CLEP language exams are not accepted. Please be

TABLE 1: ADVANCED PLACEMENT EXAM CREDIT

EXAM	SCORE	CR	COURSES
Art History	3	6	ARTH 2710 (3 cr.) + 3 cr. HU
	4-5	6	ARTH 2710 (3 cr.) + ARTH 2720 (3 cr.)
Art Studio (All)	3-5	6	6 cr. V/T elective***
Biology	3-5	6	BIOL 1010 /1015(4 cr.) +2 cr. GS elective
Calculus AB	3	6*	MATH 1050 (4 cr.) + 2 cr. GS elective
	4-5	8*	MATH 1050 (4 cr.) + MATH 1210 (4 cr.)
Calculus BC	3	8*	MATH 1050 (4 cr.) + MATH 1210 (4 cr.)
	4-5	8*	MATH 1210 (4 cr.) + MATH 1220 (4 cr.)
Calculus BC (AB Subscore) Applicable only if BC credit not awarded	3	6	MATH 1050 (4 cr.) + 2 cr. GS elective
Chemistry	3	8*	CHEM 1010 (3 cr.) + CHEM 1210 (4 cr.) + CHEM 1215 (1 cr.)
	4-5	8*	CHEM 1210 (4 cr.) + CHEM 1220 (4 cr.)
Chinese Language and Culture	3-5	10	CHI 1010 (5 cr.) + CHI 1020 (5 cr.)
Computer Science A	3	3	CS 1400 (3 cr.)
	4-5	7	CS 1400 (3 cr.) + CS 1410 (4 cr.)
Computer Science A B	3	7	CS 1400 (3 cr.) + CS 1410 (4 cr.)
	4-5	8	Waive CS 1400 for CS Majors CS 1410 (4 cr.) + CS 2420 (4 cr.)
Economics - Micro	3-5	3	ECON 2010 (3 cr.)
Economics - Macro	3-5	3	ECON 2020 (3 cr.)
English - Language and Composition	3-5	6*	ENGL 1010 (3 cr.) + 3 cr. GS elective
English - Literature and Composition	3-5	6*	ENGL 1010 (3 cr.) + ENGL 2600 (3 cr.)
Environmental Science	3-5	3	3 cr. V/T Elective
European History	3-5	6	3 cr. SS + 3 cr SS
Foreign Language (French, German, Spanish)	3-5	10	Language 1010 (5 cr.) + Language 1020 (5 cr.)
French Literature	3-5	6	6 cr. GS elective
Government & Politics - Comparative	3-5	3	POLS 2200 (3 cr.)
Government & Politics - US	3-5	3	POLS 1100 (3 cr.)
Human Geography	3-5	3	3 cr. GS elective
Italian Language and Culture	TBD**		
Japanese Language and Culture	TBD**		
Latin Literature	TBD**		
Latin: Vergil	TBD**		
Music Theory	3-5	6	6 cr. GS elective
Physics B	3	6*	PHYS 1010 (3 cr.) + 3 cr. PS
	4-5	8*	PHYS 2010 (4 cr.) + PHYS 2020 (4 cr.)
Physics C Electricity/ Magnetism	3	3*	PHYS 1010 (3 cr.)
	4-5	5*	PHYS 2020 (4 cr.) + PHYS 2025 (1 cr.)
Physics C Mechanical	3	3*	PHYS 1010 (3 cr.)
	4-5	5*	PHYS 2010 (4 cr.) + PHYS 2015 (1 cr.)
Psychology	3-5	3	PSY 1010 (3 cr.)
Spanish Literature	3-5	6	6 cr. GS elective
Statistics	3-5	3	MATH 1040 (3 cr.)
U.S. History	3-5	6	HIST 1700 (3 cr.) + 3 cr. SS
World History	3-5	6	HIST 1500 (3 cr.) + HIST 1510 (3 cr.)

*Duplicate credit will not be awarded for the same course (eg. If both AP English exams are passed, ENGL 1010 credit will not be awarded twice). ** For the most current updates, please visit our website at **www.slcc.edu/transcriptevaluation**. AP Table available under **FORMS.** ***For specific art credit, a portfolio assessment will need to be arranged with the Visual Art & Design Department Chair.

aware that CLEP results may take from four to six weeks to be returned and up to an additional two weeks to appear on a transcript.

The CLEP test is given by appointment only. For specific information regarding the CLEP test or to make an appointment, contact the Testing and Placement Center at (801) 957-4500.

TABLE 2: CLEP EXAM CREDIT

EXAM	SCORE	CR	COURSES
College Composition	50	6	ENGL 1010 (3 cr.) + 3 cr. GS elective
Natural Sciences	50	6	3 cr. PS + 3 cr. BS
Humanities	50	6	3 cr. FA + 3 cr. HU
Social Science/History	50	6	HIST 1700 (3 cr.) + 3 cr. SS

INTERNATIONAL BACCALAUREATE (IB) EXAMINATION CREDIT

Students who achieved scores of 5, 6, or 7 on Higher Level International Baccalaureate (IB) Examinations may be awarded up to eight semester hours of credit in each Higher Level examination or 22 semester hours of credit for the completion of the International Baccalaureate Diploma. General education requirements will be cleared for completion of the IB Diploma except in the areas of Composition, American Institutions and Quantitative Literacy. These areas can be cleared with a Higher Level exam. For more information about IB credit, call (801) 957-4738.

Transferring Credit

ATTENTION:
MATRICULATED TRANSFER STUDENTS -
A matriculated student is one who is working toward the completion of a degree, diploma, and certificate of completion or with the intent to transfer.

Incoming Matriculated Transfer students may meet the Assessment Initiative with one of the following:

1. Accuplacer Exam* - Visit an SLCC Testing and Placement Center to take the Accuplacer. The Accuplacer is currently administered daily on a walk-in basis at Taylorsville Redwood, South City, and Jordan Campuses. Call the Testing and Placement Center at (801) 957-4500 for additional information. SLCC will accept hand-delivered copies of prior test scores only if they are delivered to the SLCC Testing and Placement Center, unopened in the original envelope and bear the official school seal.

2. Students who have an Associate of Arts/Science or Baccalaureate degree from a regionally accredited institution will be exempt from testing to meet the Assessment initiative. Students who require math or English placement will still need the Accuplacer to fulfill prerequisite requirements. An official transcript of degree must be provided to SLCC Enrollment Services.

3. Students who have completed both a course equivalent to Salt Lake Community College's English composition requirement (ENGL 1010, 2010 or 2100) and a math course equivalent to Salt Lake Community College's quantitative literacy requirement (MATH 1030, 1040 or 1050) or higher, will be exempt from testing. MATH 1010 may be used for exemption if it was completed within a year or it fulfills the quantitative studies requirement for the area of study you are pursuing at SLCC. Prerequisite grade restrictions apply.

4. ACT or SAT scores less than two years old may also be used to meet the assessment requirement. SLCC will accept hand-delivered copies of transcripts or test scores only if they are delivered to the Data Center unopened in the original envelope and bear the official school seal.

***Taking the Accuplacer is the swiftest option for most students.** Once you complete the exam, you are eligible to register within 1-2 business days. Options 2-4 may take up to 4-6 weeks for processing.

In addition, to take advantage of options 1 or 2 a student must apply for admission as a matriculated (degree seeking) student and then follow the steps listed below on transferring to SLCC.

TRANSFER OF CREDIT FROM OTHER INSTITUTIONS TO SLCC

Students may be able to get credit for courses taken from other colleges or universities within the United States. To take advantage of this, a student must apply for admission as a matriculated (degree seeking) student and then follow these steps:

1. Request that official copies of transcripts be sent directly to SLCC from each former institution. SLCC can accept hand-delivered copies only if they are delivered unopened in the original envelope and bear the official school seal*. SLCC does not request transcripts from prior institutions. To print out a form to request transcripts from your prior institution(s): www.slcc.edu/transcriptevaluation/docs/Transfer_Credits_To_SLCC_Form.pdf.
2. Fill out a Request for Evaluation of Transfer Credits at Salt Lake Community College's Enrollment Services. These forms are available on the website at www.slcc.edu/transcriptevaluation. A Request for Evaluation form is not needed for each individual transcript. **Please submit form ONLY once**. The Incoming Transcript Office will notify students if clarification or an additional form is required.
3. An evaluation of the credit will begin as soon as step 1 and step 2 are complete. Evaluations are completed on a first-come, first-served basis. Depending on the volume of requests, a transfer evaluation may take 2–4 weeks to complete. Please allow 4-6 weeks for an evaluation of your transcript from an out-of-state institution. Evaluations may take longer during peak periods.

***Mailing Address for Transcripts:**

Salt Lake Community College
Enrollment Services
P.O. Box 30808
Salt Lake City, Utah 84130-0808

Enrollment Services evaluates general education credit. If transcripts also contain credit related to a major, Enrollment Services will forward them to the appropriate academic department for further evaluation.

Based on Regent's policy R470-7. Transfer of Credit **Policy 7.1.2. Transfer of Completed General Education Credits through Program Completion** - An AA or an AS degree earned at any USHE institution will meet the General Education requirements of any other USHE institution. If a student has completed all institutional General Education requirements,

a Letter of Completion issued by the sending institution that confirms such General Education completion should be accepted by the receiving USHE institution.

Degrees from non-USHE institutions will be subject to individual course evaluation for general education unless a prior agreement exists.

All credit accepted will be recorded on the SLCC transcript and email notification will be sent to the student. Once transfer credit is posted to a student transcript, it cannot be removed; however, credits may need to be updated if the initial evaluation credits were not applied toward a degree within two years.

NOTE: Students wishing to transfer credits from schools **out side** the U.S. should submit a comprehensive report from an accredited **foreign credential evaluation** service. Contact Enrollment Services or International Student Services for a list of foreign credential evaluation services.

SLCC AWARDS TRANSFER CREDIT FOR COLLEGE CLASSES WHICH MEET THE FOLLOWING CRITERIA:

1. Classes were taken for credit at a regionally accredited college or university (exceptions to this rule are sometimes made by specific academic programs for credit applied to a major).

2. Individual classes with a grade of C- or higher, except in cases where a grade of C or higher is required at SLCC as a prerequisite.

3. Classes were college level (rather than remedial or developmental; at Utah institutions this usually means numbered 1000 or above).

4. Classes are designated as "general education" by the issuing institution or by SLCC, or meet a requirement for graduation in the student's SLCC program.

5. Courses taken more than 10 years ago may only transfer as elective credit, rather than specific course credit.

6. To be eligible for graduation from SLCC, students must take 25% of required credits directly from Salt Lake Community College.

Credit is awarded based on course equivalency at the time credit is transferred. Transfer course articulations are subject to change. Courses accepted for transfer will be awarded the same number of credit hours given for equivalent SLCC courses. If SLCC has no equivalent course, the transferred course will be awarded its original number of credit hours (based on a semester system). Transcripts are kept on file at Enrollment Services for one year. After one year, students requesting additional evaluation may be asked to submit new transcripts. Evaluations that were not applied toward a degree within two years from date of evaluation may be subject to a re-evaluation.

TRANSFER OF CREDIT FROM SLCC TO OTHER INSTITUTIONS

SLCC is accredited by the Northwest Commission on Colleges and Universities (NWCCU) (11130 NE 33rd Place, Suite 120, Bellevue, WA 98004), an institutional accrediting body recognized by the Council for Higher Education Accreditation and/or the U.S. Department of Education.

SLCC credit from college level courses (numbered 1000 or above) is accepted by most colleges and universities in the United States. Utah's public colleges and universities have established transfer of credit policies that outline how credit will transfer within the state system. SLCC courses numbered 1000 or above are accepted as general elective, general education or major credit by Utah's public colleges and universities. Most private and out-of-state institutions also accept SLCC courses numbered 1000 and above; however, there may be exceptions. **Students should check with the institution to which they plan to transfer to determine exactly how SLCC credit will be accepted and applied to degree programs.**

SLCC offers the Associate of Science (AS) and the Associate of Arts (AA) degrees that provide the first two years of college for most baccalaureate degree programs. Students who earn an SLCC AS or AA degree will be considered as having satisfied all of the lower division general education requirements for a bachelor's degree at Utah's public colleges and universities. This policy does not apply to the Associate of Applied Science (AAS), or the Associate of Pre-Engineering (APE), because these degrees do not contain all of the general education requirements.

Students who complete all general education requirements, but not the entire AS or AA degree, will also be considered as having completed the lower division general education requirements for a bachelor's degree by Utah's public colleges and universities. In this instance, students should request a "Letter of General Education Completion" from the SLCC Graduation Office to be sent with their official transcript to the institution to which they intend to transfer. See page 23 for more information.

Students can begin lower division requirements for most baccalaureate majors at SLCC. SLCC offers the AS and AA degree in more than 40 different program areas. Many major courses have been "articulated" or equated to similar courses at the four-year institutions in Utah. **Students should consult an advisor or the academic department to select appropriate courses that apply to their major program of study at the institution to which they plan to transfer**.

Completion of a transfer degree does not guarantee automatic acceptance into any specific major at other colleges and universities; some four-year major programs are restricted and require special application as well as a competitive GPA. On-going planning is essential!

Most of the private institutions in Utah, including BYU, Columbia College of Missouri, Westminster College, Argosy University and University of Phoenix have similar policies regarding the transfer of SLCC credits. However, there are a few exceptions that should be reviewed with an advisor **before** enrolling in courses.

NOTE: Some programs such as business and engineering have particular general education requirements that should be investigated before selecting general education courses.

TRANSFER AND ARTICULATION AGREEMENTS

SLCC has established specific transfer and articulation agreements with the following Utah System of Higher Education (USHE) institutions and a variety of other private, public, and out-of-state institutions.

These agreements outline how general education and major-related courses transfer from SLCC to the following institutions:

UTAH SYSTEM OF HIGHER EDUCATION INSTITUTIONS

DIXIE STATE COLLEGE

SOUTHERN UTAH UNIVERSITY

UNIVERSITY OF UTAH

UTAH STATE UNIVERSITY
UTAH VALLEY UNIVERSITY
WEBER STATE UNIVERSITY

PRIVATE AND OUT-OF-STATE SCHOOLS

ARGOSY UNIVERSITY
BISMARCK STATE COLLEGE (via the Internet)
BRIGHAM YOUNG UNIVERSITY
BYU HAWAII
BYU IDAHO
CALIFORNIA STATE UNIVERSITY, BAKERSFIELD
COLUMBIA COLLEGE OF MISSOURI
EMBRY-RIDDLE AERONAUTICAL UNIVERSITY
FRANKLIN UNIVERSITY (VIA INTERNET)
KAPLAN UNIVERSITY
PALMER COLLEGE OF CHIROPRACTIC
STRAYER UNIVERSITY
UNIVERSITY OF PHOENIX
WESTMINSTER COLLEGE
WESTERN GOVERNORS UNIVERSITY
WESTERN STATES COLLEGE OF CHIROPRACTIC

SLCC continues to investigate articulation agreements with other higher education institutions. For information about articulation, contact the Transfer Center in Academic and Career Advising - (801) 957-4978. SLCC also facilitates a number of four-year degree and masters programs on SLCC campuses. For more information about these programs, see University Center in the **Services and Resources for Students** section of this catalog.

TRANSFER TIPS

START EARLY TO PLAN A TRANSFER!

MEET WITH YOUR SLCC ACADEMIC ADVISOR...

to explore transfer interests and select courses that meet major requirements for the baccalaureate degree at the four-year institution.

UNDECIDED? VISIT THE CAREER LIBRARY...

to explore major and career interests. Use the web to investigate other colleges and universities. Attend the Career/Major Fair and enroll in LE 1200, a one credit course in Major and career exploration.

CONTACT ADVISING...

and the academic department at the college or university to which transfer is planned; obtain application material, deadlines and major requirements.

ATTEND TRANSFER ACTIVITIES...

scheduled by SLCC's Academic and Career Advising every semester which include college information tables, transfer workshops, major orientations, and campus visits. Transfer events are publicized in MyPage announcements and www.slcc.edu/transfercenter.

VISIT WITH TRANSFER ADVISORS...

from 4-year transfer colleges and universities at SLCC. The University of Utah, Utah State University, Westminster College and others are regularly advising students at SLCC. A current list of advising visits is online at www.slcc.edu/transfercenter.

USE MAJOR SHEETS...

and catalogs at the Advising Office (and on the web) to plan course selection and transfer timeline.

Completion of a transfer degree does not guarantee automatic acceptance into any specific major at other colleges and universities; some four-year major programs are restricted and require special application as well as a competitive GPA.

WHEN TRANSFERRING OUT OF STATE...

get in touch with the colleges or universities to find out about their transfer of credit policies. Although SLCC's college level credits will typically be accepted by most out-of-state institutions, there is no guarantee that they will meet specific general education or major requirements. Students are advised to keep the syllabus from each SLCC course for possible review of credit by an out-of-state school.

Grades and Reports

Grades for the previous term are available approximately 5 days after the term has ended by logging in to MyPage, mypage.slcc.edu. Select the "Student" tab and follow the instructions to retrieve grades.

GRADING POLICIES

Students must complete, by the end of the term, all courses for which they register. Students will be awarded letter grades with quality points used in GPA computation for work undertaken at SLCC.

PERFORMANCE IS GRADED AS FOLLOWS:

GRADE	PTS.	QUALITY
A	4.0	SUPERIOR GRADE
A-	3.7	
B+	3.4	
B	3.0	ABOVE AVERAGE GRADE
B-	2.7	
C+	2.4	
C	2.0	AVERAGE GRADE
C-	1.7*	
D+	1.4	
D	1.0	
D-	0.7	LOWEST PASSING GRADE
E	0.0**	FAILING GRADE

* C- or lower is unacceptable in classes requiring a grade of C or better.
** All E grades are designated with the last date of attendance.

NOT USED IN GPA COMPUTATION ARE:

GRADE	DESIGNATION
W	WITHDRAWAL[1]
P	PASSING GRADE
I	INCOMPLETE GRADE[2]
AU	AUDIT
EX	EXTENSION[3]

[1] Withdrawal from class after the third week of the semester or 20% of the term. Not calculated in GPA.

[2] The following conditions apply to incomplete (I) grades:

- Incomplete grades may be given by instructors to students who cannot continue in class because of circumstances

beyond their control (such as serious illness, death in the family, or change of employment) with proper documentation;

- Student must be passing the course at the time of incomplete grade request;
- A substantial portion of a course must be completed before an incomplete is given;
- Upon receiving an 'I' grade, the student must work directly with the instructor to create a contract for completing the classwork. The contract should specify (a) required work to be completed and/or tests to be taken, and (b) time allowed for requirements to be completed; time may not exceed one year from the time the 'I' grade was received.
- Student should not re-register for the class, but should work directly with the instructor to complete the contract.
- The student who fails to fulfill the contract within one year of when the 'I' was received will (a) have their 'I' grade changed to the grade of 'E' (failing), and (b) be required to retake the class in order to receive credit. An incomplete must be resolved before the student will be permitted to register for the same course again.

[3] EX grades are allowed only in open-entry classes. In order to complete the course, the student must re-register for the class and pay applicable tuition and fees. All coursework for 'EX' grades must be completed within one year.

ATTENDANCE

Regular and prompt attendance is expected at all classes. Regular attendance and consistent study habits are necessary for success in college. Faculty members have the prerogative of lowering grades for excessive absence.

REPEAT COURSES

Students may repeat a course in which low grades are received. After completion of the repeated course, students must complete an Enrollment Services Repeated Class Notification form. All grades remain on the academic record; however, only the highest grade received in the course will be used to calculate the student's cumulative GPA. Developmental Education courses in math, reading, and writing may be marked as repeated after the student completes the next sequence course in upper division math and English course work. Courses completed at other institutions may be used as repeated courses if the courses are accepted as transfer credit at Salt Lake Community College. Only one repeated course for the same course may be included in the total credit hours earned toward graduation.

SCHOOL OF APPLIED TECHNOLOGY COMPETENCY GRADES

School of Applied Technology non-credit, competency-based clock hour courses are graded on mastery of competency leading to Certificates of Proficiency.

MC	Mastered Competency
NM	Competency Not Mastered
IC	Incomplete
TC	Transfer Competency
TT	Transfer Tested
AU	Audit
W	Withdrawn

Grading system prior to July 1, 2010

4	Skilled
3	Moderately Skilled
2	Limited Skill
1	No Skill
P	Passed an administrative block
W	Withdrawn

School of Applied Technology non-credit, clock hour courses are not applicable to Salt Lake Community College credit program requirements.

Academic Standards Policy

The SLCC Academic Standards Policy exists to help you reach your academic potential and maintain an expected level of academic performance at the institution. Academic and Career Advisors and faculty members are available to review the obstacles in your education and recommend strategies for success. If you would like to learn about the resources available for you, please set up an appointment with an Advisor by calling (801) 957-4978 and/or visit our web page: www.slcc.edu/academicstandards.

The following guidelines are in place to assist students in academic jeopardy:

1.* Academic Notification - Students whose term grade point average (GPA) falls below a 2.0 while their cumulative GPA is 2.0 or higher will be put on Academic Notification. Students will be notified by email of their status, encouraged to read the Academic Standards Policy, and made aware of the learning support and tutoring resources available at SLCC.

2.* Academic Alert - Students with 14 or less credits whose term and cumulative GPA fall below 2.0 will be placed on Academic Alert. Students will be notified by email and online of their status, encouraged to read the Academic Standards Policy, and made aware of the learning support and tutoring resources available at SLCC.

3.* Academic Warning - Students with 15 or more credits whose term and cumulative GPA fall below 2.0 for the first time will be placed on Academic Warning. Students will be notified by mail and email that they have been placed on Academic Warning. Registration restrictions will be placed on these students' records. Students will not be able to register until they meet with an academic advisor, or complete a workshop when available online or on campus.

4.* Continued Warning - After being placed on Academic Warning, students whose subsequent term GPA rises above a 2.0 while their cumulative GPA is still below a 2.0 will be on Continued Warning. No registration restriction will be placed on their record. These students will be sent an email acknowledging their improvement and encouraging them to keep up the good work.

5.* Conditional Enrollment - The second time that students' term and cumulative GPA fall below a 2.0, with 15 or more credits; they will be placed on Conditional Enrollment. Students will be notified by mail and email that they have been placed on Conditional Enrollment. Registration restrictions will be placed on these students' records. Students will not be able to register until they meet with an academic advisor in order to create a follow-up plan, identify obstacles and discuss strategies to assist them with their academic success.

6.* Continued Conditional Enrollment - After being on Conditional Enrollment, students' whose subsequent term GPA rises above 2.0 or above while their cumulative GPA is still below a 2.0 will be on Continued Conditional Enrollment.

No registration restriction will be placed on their record. They will be sent an email acknowledging their improvement and encouraging them to keep up the good work.

7.* Academic Probation - The third time that students' term and cumulative GPA fall below a 2.0 they will be placed on Academic Probation. Students will be notified by mail and email that they have been placed on Academic Probation. Registration restrictions will be placed on these students' records. Students will not be able to register until they complete an appeal process. They will need to fill out an appeal form with their academic advisor. The appeal form will include their name, address, proposed class schedule and proposed work schedule. Students will also need to write a statement indicating what they will change in order to ensure academic success.

The Academic Success Committee will review all appeals. The Committee will consist of the Academic Standards Advisor, the student's advisor, and a faculty member. The Committee will determine the conditions of attendance (i.e. restricted hours, class requirements, term suspension, etc.).

8.* Continued Probation - Should students' subsequent term GPA rise above a 2.0 while their cumulative GPA is still below a 2.0, they will be on Continued Probation. No registration restriction will be placed on their record. They will be sent a letter acknowledging their improvement and encouraging them to keep up the good work.

***The academic standing of students will be posted online to their SLCC unofficial academic transcript. It will not appear on the official transcript.**

PRESIDENT'S LIST, DEAN'S LIST HONORS

To qualify for the semester Dean's List, students must earn a 3.5 grade-point average in 15 or more credits. To qualify for the semester President's list, students must earn a 3.8 grade-point average in 15 or more credits.

Tuition and Fees

Important deadlines for undergraduate (UG) registration and payment of undergraduate (UG) tuition/fees will be available on MyPage. Tuition and fees for the 2012-2013 academic year are as follows:

2012-2013 TUITION AND FEES

CREDIT HOURS	RESIDENT TUITION/FEES	NON-RESIDENT TUITION/FEES	APPRENTICESHIPS TUITION/FEES BY CLASS
1	167.00	453.00	97.00
2	299.00	870.00	155.00
3	431.00	1,287.00	213.00
4	563.00	1,704.00	271.00
5	695.00	2,121.00	329.00
6	827.00	2,538.00	387.00
7	959.00	2,955.00	445.00
8	1,091.00	3,372.00	503.00
9	1,223.00	3,789.00	561.00
10	1,355.00	4,206.00	619.00
11	1,470.00	4,606.00	677.00
12-18	1,585.00	5,006.00	735.00
19	1,700.00	5,406.00	793.00
20	1,815.00	5,806.00	851.00
21	1,930.00	6,206.00	909.00
22	2,045.00	6,606.00	967.00
23	2,160.00	7,006.00	1,025.00
24	2,275.00	7,406.00	1,083.00
25	2,390.00	7,806.00	1,141.00

Approval for more than 21 credit hours must be obtained from the appropriate College Department of the student's current program or from the Director of Academic Advising. Each credit hour in excess of 18 is charged an additional tuition rate of $110.00.00 per resident credit hour, $383.00 per non-resident credit hour, and $55.00 per apprenticeship credit hour. For summer term only, all undergraduate students are charged tuition at the resident tuition rate regardless of residency status.

NOTES:
A $50 Late Payment Fee will be charged after payment deadline to all student accounts with unpaid Tuition and Fees.

- Some courses will have laboratory or special fees attached. See current class schedule for specific information.
- International students are charged an additional $40 administrative fee per term.

SCHOOL OF APPLIED TECHNOLOGY COSTS AND FEES

For Utah residents, the School of Applied Technology courses and programs are based on $1.83 per clock hour of instruction, which does not include student fees. Books and supplies are separate and are subject to change.

See a School of Applied Technology advisor for total program costs or the School of Applied Technology section of this catalog.

RESIDENT FEES

DISCLOSURE OF HIGHER EDUCATION COST AS PER THE PROVISIONS OF HOUSE BILL 248

Full-time resident students at Salt Lake Community College paying a semester tuition and fee amount of $1,466 contribute an estimated 53% to the full cost of instruction per full-time student of $2,757. The remaining support for the full cost of instruction is provided by $1,291 state tax funds and $0 of other institutional revenue sources.

NON-RESIDENT FEES

Non-residents of Utah are required to pay non-resident fees. Living in Utah merely to attend SLCC does not constitute resident classification. To qualify as a resident, a student must present objective evidence of intent to become a permanent resident of Utah and abandon residence elsewhere.

The Utah Legislature passed HB 144, November 2002, which amends the Tuition Waiver Policy. The revised policy exempts certain students from paying the non-resident portion of total tuition regardless of immigration status. To be eligible for exemption, the student must meet specified requirements including having attended a Utah High School for three years and having earned a diploma or equivalent in Utah.

At the time application for admission is made, students are classified as either resident or non-resident. Under certain circumstances, classification s non-resident may be appealed. An Application for Resident Classification and information outlining the rules and regulations that determine resident status are available online at www.slcc.edu/enrollmentservices.

PAYMENT OF TUITION AND FEES

Tuition and student fees are established by the Utah State Board of Regents and are subject to change without notice. Twelve credit hours per semester constitute a full load for tuition purposes. Registration is complete only when tuition and fees are paid in full.

TUITION IS DUE
AT THE BEGINNING OF EACH SEMESTER

Payment must be received by deadlines published in the class schedule to avoid the **$50 Late Fee**. Students may review their

accounts at any time online at mypage.slcc.edu. Monthly billing statements are mailed, or may be sent electronically to students SLCC email address.

NOTE: SLCC reserves the right to place financial holds on registration, grades, transcripts, and graduation for any student owing the College money or who has had a check dishonored. Students may not register if money is owed.

CHECK/SAVING ACCOUNT PAYMENTS

SLCC accepts bank-imprinted checks only, no two-party or counter checks. Checks must be RECEIVED in a Cashiering Office by the payment deadline. Checks should be written for the exact amount due and include the student's Social Security number or College ID number on the front. A minimum $20 service fee is charged on all returned checks (see **DISHONORED CHECKS** below).

- **ONLINE**
  - Log on to MyPage
  - Click on the **STUDENT** tab
  - Go to **TUITION PAYMENT**
  - Scroll to the **SEMESTER** for which tuition is due
  - Click on the payment icon
  - Complete as instructed
- **MAIL**

  SALT LAKE COMMUNITY COLLEGE
  CASHIER SERVICES
  P.O. BOX 30808
  SALT LAKE CITY, UT 84130-0808
- **DROPBOX**

  Tuition Drop boxes are available at Taylorsville Redwood, South City, Jordan, and Miller Campuses. No cash.
- **IN PERSON**

  Cashier offices are located at Taylorsville Redwood, South City, Jordan, and Miller Campuses. Pay tuition and fees for admission applications, transcripts, and graduation applications at any Cashier window during posted hours. Extended hours for services are available at Cashier Express, Monday through Thursday until 8:00 p.m. Cashier Express is located on the second level of the Student Center at the Taylorsville Redwood Campus.

CREDIT/DEBIT CARD PAYMENTS

SLCC accepts Visa and Visa Debit card, Mastercard, Mastercard Debit card, Discover and American Express.

Verify the accuracy of the tuition and fees charges on your student account through the Internet at MyPage, mypage.slcc.edu.

- **ONLINE**
  - Log onto MyPage
  - Click on **STUDENT** tab
  - In the **STUDENT PORTAL/TUITION PAYMENT OPTIONS** section click **MAKE A PAYMENT HERE** to pay your balance owed on your account.
  - Select the **TERM**. Click on **SUBMIT**.
  - Proceed as instructed
- **TELEPHONE**

  Call a cashier at Tuition Express (801) 957-3914 with a credit or Debit/Credit card Monday through Friday, 8 a.m. until 4:30 p.m.

Credit card payments can also be made in-person at any Cashier Office. To be valid, all credit cards must be signed when presented in person.

CASH PAYMENTS

Cash payments must be made in person at any Cashier Office. **DO NOT** mail or use drop boxes for **CASH** payments.

INSTALLMENT PLAN

Students who need more time to pay their tuition in full should consider signing up for the Semester Tuition Installment Loan (STIL) which requires a non-refundable $30.00 application fee. After the application and first installment, additional installments are due by the 10th of the month. There are four installments for Spring Semester (January, February, March and April), three installments for Summer Semester (May, June, July), and four installments for Fall Semester (August, September, October, November). Apply online at mypage.slcc.edu.

SPONSORED STUDENTS

Students whose tuition and fees are to be paid by another organization or agency (other than Financial Aid awards) will have their vouchers processed by the Accounts Receivable Office. Vouchers may be faxed to (801) 957-5747. Sponsored students are responsible for coordinating that their account is paid in full prior to the tuition due date. Verification can be made by going to MyPage or visiting a cashier location. Late fees may be applied to accounts with unpaid tuition balances.

FINANCIAL AID PAYMENTS

Classes are automatically held if students have been offered Financial Aid awards. Classes cannot be held for Financial Aid applicants who have not been offered an award. A pending Financial Aid award, does not remove a student's obligation to pay tuition and fees by the published deadline. Financial Aid awards that are insufficient to cover tuition and fees may result in an unpaid balance on the student account. Late Fees may apply.

DISHONORED CHECKS

Dishonored checks are paid at the Cashier Offices. Students are charged a minimum $20.00 fee per check for checks paid within 15 days. After 15 days, fees are increased. If tuition remains unpaid due to a dishonored check, a $50.00 Late Fee may be added to a student account in addition to other fees. A HOLD is placed on the student's records, which can only be removed by the Student Loans and Receivables Department. The student will not be entitled: 1) to receive an official copy of grades, transcripts or diplomas; or 2) to pick up checks disbursed by SLCC–-which may include but is not limited to tuition refunds and payroll checks—until the amount due has been paid to the College or otherwise satisfied. Collection of dishonored checks may involve legal prosecution and recovery of legal costs if necessary.

Checks will not be accepted from students who have not resolved dishonored checks on their accounts. Students who have settled past dishonored checks may have check privileges reinstated, unless they have three or more dishonored checks.

COLLECTION POLICY

SLCC pursues all financial obligations to the fullest extent of the law. This includes but is not limited to: HOLDS on registration, transcripts, grades, and graduation; liens against State of Utah

tax refunds; referrals to collection agencies; and litigation. Any fee or financial obligation, if not paid when due, is subject to interest, collection and/or attorney fees.

DROPS/WITHDRAWALS

If a student decides not to remain enrolled in a class, it is the student's responsibility to drop or withdraw from the class. Failure to officially drop classes not attended will result in failing grades and forfeiture of tuition due the College. Failure to officially drop may lead to enforcement of the college collection policy (see above.)

STUDENTS ARE REQUIRED TO PAY FOR ALL CLASSES THAT THEY DO NOT OFFICIALLY DROP

If the student withdraws after the last published date to drop, the action is considered a 'withdrawal' and no adjustment of tuition will be made.

If the student drops a class on or before the last published date to drop, the action is considered a 'drop' and the student is entitled to an adjustment or refund of tuition:

1. When a student officially drops classes, adjustments are based on the drop date regardless of class attendance. Refunds/adjustments for students, who were awarded Financial Aid, will go to Title IV federal programs first (Pell, Stafford, Perkins, SEOG).
2. Application fees are non-refundable.
3. STIL fees are non-refundable.

REFUNDS

Cashier Services begins processing of a refund after the last day to drop classes for each term. If a student paid for tuition by cash or check, refunds are deposited electronically to the student's bank account if the student is enrolled in direct deposit or Discover Prepaid card if the student is enrolled. Refund checks are mailed to the student's local address. Students are responsible for maintaining a current address with Salt Lake Community College through MyPage.

Payments made online will be credited to the original card. In person, credit payments will be refunded with a check to the cardholder unless otherwise requested. Call the Cashier Office at (801) 957-4868, option 6 for more information.

Refund/adjustment schedule for classes that follow regular semester beginning and ending dates:

SCHOOL OF APPLIED TECHNOLOGY WITHDRAWAL/REFUNDS

For information on withdrawing and refunds for School of Applied Technology courses and programs, see the School of Applied Technology section of this catalog.

REFUND/ADJUSTMENT PERIOD	PERCENT ADJUSTMENT
Through 21st calendar day of semester	100%
After 21st calendar day	No Refund/Adjustment

Adjustment schedule for classes with beginning or ending dates that do not correspond with regular semester beginning or ending dates:

REFUND/ADJUSTMENT PERIOD	PERCENT ADJUSTMENT
Through 20 percent of class taught	100%
Over 20 percent of class taught	No Refund/Adjustment

NOTE: Appeals regarding the adjustment of tuition and fees should be made in writing to Enrollment Services.

– SHOP CARDS ARE NON-REFUNDABLE –

Financial Aid and Scholarships

Financial aid applications are available online at www.slcc.edu/financialaid and from Student Services at Taylorsville Redwood, South City, Jordan and Miller Campuses.

Please be aware that not all programs offered at SLCC are eligible for financial aid. Please check with the Financial Aid Office to determine if your program is eligible.

OVERVIEW

All students are encouraged to apply for financial aid. Many students are surprised to discover they are eligible for some type of financial assistance. Students should apply as early as possible for financial aid as the process can take several weeks to complete. The application process for financial aid can be started before applying for admission, but financial aid is only awarded to admitted students. Students must have earned a state-recognized high school diploma or a state-issued General Education Diploma (FED) to receive financial aid.

Students typically receive one or more of the following types of aid:

FEDERAL AND STATE AID

Federal and state aid programs are need-based and are given to students who have a demonstrated need for funds to pay for college-related costs (including housing, food, tuition, etc.). When the student and his/her family have available resources which are estimated to be less than these educational costs, financial aid may be awarded to fill the gap, which is referred to as unmet need.

The determination of unmet need is made based on the results of the Free Application for Federal Student Aid (FAFSA). The form can be completed on the web at www.fafsa.ed.gov. Although the form is available January 1, it is best to wait until income tax forms for the previous year have been completed, since some questions on the FAFSA require income and tax information from the tax forms.

MERIT-BASED AID (SCHOLARSHIPS AND TUITION WAIVERS)

A number of College-sponsored and private scholarships are available each year. Applications for these are available on the SLCC Financial Aid web page early each year—usually in January—for the next academic year. Many of the College scholarships are tuition waivers; these are not cash scholarships, but students who receive them can have their tuition charges (not fees) waived. Students usually need to enroll for at least nine credit hours per semester to be eligible for tuition waivers. There are several different kinds of waivers. Some are awarded on merit alone, while others are given to students based on both merit and need. Some require full-time (12 credit hours or more) enrollment.

Scholarships donated by private donors or organizations award money which can be used to pay tuition. Students should fill out applications for any of the scholarships for which they might be eligible.

OTHER SOURCES

Want to look for other scholarship possibilities? Check out websites for listings of scholarships available from numerous national and international sources. One of the best is www.fastweb.com–the best part: it's FREE! Scholarship

search organizations that charge a fee for supplying scholarship information may or may not be helpful, so we recommend students try all the free sources first.

MAJOR TYPES OF FINANCIAL ASSISTANCE

GRANTS

Grants are gifts of money which do not have to be repaid. Students must show a significant amount of financial need to qualify for grants and also must maintain satisfactory academic progress. The five major grants awarded by SLCC follow:

1. **FEDERAL PELL GRANT** - Available to undergraduate students with financial need

   AMOUNT: Ranges from $976 to $5,550 depending on degree of need, cost of education and congressional funding level.

2. **FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT** (FSEOG) - Available to undergraduate students with financial need who are Pell eligible. Limited to those with highest need.

   AMOUNT: Range is $100 to $1,000, dependent upon funds available and degree of need.

3. **UTAH EDUCATIONALLY DISADVANTAGED GRANT** (UEG) - Available to Utah resident undergraduates who demonstrate exceptional financial need and are educationally disadvantaged. Funding provided by the state.

   AMOUNT: Range is $100 to $1,000, dependent upon funds available and degree of need.

4. **HIGHER EDUCATION STUDENT STIPEND PROGRAM** (HESSP) **-** Available to Utah resident undergraduate students who demonstrate financial need.

   AMOUNT: Range is $100 to $1,000, dependetn upon funds available and degree of need.

LOANS

Federal (Title IV) loan programs assist students with their educational expenses now and are repaid when the student is no longer attending or enrolled at least half-time (at least 6 credit hours). The College participates in three loan programs: Federal Perkins Loan, Direct Stafford Loan and Direct PLUS Loan. In addition to these Federal loan programs, SLCC provides a short term emergency loan fund. By institutional policy, loans are not normally offered for terms that have already been completed.

1. **FEDERAL PERKINS LOAN**
   Available to students with demonstrated financial need defined as a zero EFC. Priority will be given to previous Perkins recipients.

   AMOUNT: Maximum of $8,000 at SLCC and maximum annual limit of $4,000.

   REPAYMENT: Under certain conditions, repayment may be deferred or partially/fully canceled. The Collections Office will supply details to all borrowers or other interested students. Repayment begins nine months after leaving school or dropping to less than half-time status. The minimum repayment is $40 per month. Payments may be higher depending upon total amount borrowed. The maximum time allowed for repayment is 10 years, not counting periods of deferment. The interest rate on Perkins Loans is fixed at 5%. Perkins borrowers must have an annual loan counseling interview and an exit conference to receive these loans and must request loans through a separate institutional loan request.

2. **FEDERAL DIRECT STUDENT LOAN (SUBSIDIZED)**
   The Direct Student Loan (SUBSIDIZED) is available to students with demonstrated financial need. The loan funds come directly from the federal Government. Funds are repaid through a loan servicer.

   AMOUNT: For students who have completed the first 30 hours of their academic program, the maximum that can be borrowed is $3,500 per year. Students who have successfully completed 31 or more hours of their academic program may borrow up to $4,500 during a subsequent year. The increased borrowing limit for a subsequent year applies ONLY if the remaining portion of the student's program is one year or more. The lifetime borrowing limit for an undergraduate is $23,000. As a rule, loans must be prorated if the remaining portion of a student's program is less than one academic year.

   REPAYMENT: Begins six months after leaving school or dropping below half-time. Under certain conditions, repayment may be deferred. The loan servicer will supply details. Minimum monthly payments are $50 per month and may be higher depending upon total amount borrowed. The maximum repayment period is 10 years, not counting periods of deferment or forbearance. Deferment and forbearance information is available from the loan servicer. The interest on subsidized Federal Stafford Loans is paid by the government until the borrower leaves school or drops below half-time enrollment. The interest rate is variable, but will not exceed 8%. Borrowers must complete a computerized loan entrance counseling session before receiving their first disbursement. Students must complete exit counseling before the end of their loan period or at any time they drop below half-time enrollment.

3. **FEDERAL DIRECT STUDENT LOAN (UNSUBSIDIZED)**
   The loan funds come directly from the federal Government. Funds are repaid through a loan servicer.

   Available to students whose cost of education exceeds all financial aid received or whose financial need may be less than the cost of education. Students must be considered for a subsidized loan before eligibility for an unsubsidized loan is determined.

   AMOUNT: May not exceed cost of education less other aid. The maximum annual amount is $3,500 or $4,500, depending upon number of hours completed. (See information under subsidized loan.)

   An additional unsubsidized loan of up to $6,000 for independent students and up to $2,000 for dependent students may also be available. Additional requirements apply and students must complete a separate application and meet with a financial aid advisor.

   REPAYMENT: Begins six months after leaving school or dropping below half-time. Under certain conditions, repayment may be deferred.

   The interest rate on an unsubsidized Stafford Loan is variable, based on Treasury Bill rates plus 6.8%. The government does not pay the interest on an unsubsidized Stafford Loan. Interest may be accrued and capitalized or students may pay it while in school.

4. **FEDERAL DIRECT PLUS LOAN**
   The Direct PLUS Loan works exactly as the Federal PLUS Loan with one major exception - the loan funds come directly from the Federal Government to SLCC and then to the student. Funds are repaid through a loan servicer.

AMOUNT: May not exceed cost of education less other estimated financial assistance.

REPAYMENT: Begins 60 days after disbursement. Deferment may be granted under certain circumstances. The loan servicer can supply information on deferments. Interest rate on a PLUS is variable, based on the 52-week Treasury Bill rate plus 3.1%, currently capped at 9%. Interest on PLUS is not paid by the government and rate is subject to congressional revision.

5. **SHORT-TERM BOOK LOANS**

Available to students who are enrolled at least 1/2 time (6-8 hours) and maintaining satisfactory progress. Short-Term Book Loans are provided by Salt Lake Community College.

AMOUNT: Maximum amount $500 per year to cover emergency expenses only.

REPAYMENT: An emergency loan must be repaid by the end of the term in which it is made. A $10 service charge is added to the amount borrowed.

PART-TIME WORK

Many part-time student jobs are awarded through the Federal College Work-Study program, which requires establishing financial need through FAFSA. Work opportunities are scheduled around eligible students' class schedules. Pay scales are based on hourly rates (at least minimum wage) and may vary depending upon the job. Students are awarded a specific dollar amount and may work until total salary paid equals that amount. Most students work 10–20 hours per week.

Part-time off-campus jobs which do not require financial aid eligibility are available within the community. Contact the Student Employment Office for more information.

TUITION WAIVERS

SLCC maintains a tuition-waiver program, which waives tuition (not fees) for eligible students enrolled at least (9 to 18 hours) in a number of academic programs. Most waivers are granted for two semesters; **summer term waivers require a separate application**. Waivers are not transferable and may not be used for continuing education classes. A tuition waiver is credited to the student's tuition charges and no cash disbursement is made. Types of tuition waivers follow.

NOTE: Students whose disabilities preclude 3/4 time (9 hours) enrollment can be considered for part-time tuition waivers.

HONORS AT ENTRANCE

Available to new students entering from Utah high schools. Applicants must have at least a 3.5 high school grade-point average (GPA) to apply. Application deadline is March 1.

PRESIDENTIAL LEADERSHIP

Awarded to new students who have been active in school and/or community activities. Students awarded a Presidential Leadership waiver are required to be involved with SLCC student organizations and participate in a weekly leadership training during their freshman year. Application deadline is March 1.

DEAN'S DEPARTMENTAL (NEW STUDENT)

Available to students who can demonstrate skill, experience, related coursework and motivation in the area of their anticipated major. Award decisions are made by the academic department in which the student plans to enroll. Application deadline is March 1.

DEAN'S DEPARTMENTAL (CONTINUING STUDENT)

Granted by academic departments to continuing students, based on demonstrated skill, experience and motivation in the major area of study. Application deadline is May 1.

PEER LEADERSHIP PROGRAM

Available to students from ethnic and cultural backgrounds to enrich their leadership skills and college educational experience and interaction with campus.

PERFORMING ARTS

Awarded by the SLCC Division of Fine Arts in the areas of theatre, music and dance. These are performance tuition waivers which are awarded on the basis of auditions and previous performance experience; participation in performing arts at SLCC is a requirement. Application deadline is March 1.

CONTINUING STUDENT

Students must have at least a 3.5 GPA to apply. Awards are based on a weighted cumulative GPA and total earned College credit hours. Application deadline is May 1.

NOTE: Students should be aware that a 3.5 GPA is required, but may not be high enough to earn this type of waiver.

NEED-BASED

Available to students with exceptional circumstances of need. There is no application deadline, but these are subject to availability of waiver funds. Students must first consult with a SLCC Financial Aid Advisor.

SPECIAL TUITION WAIVERS

Some waivers are available through campus organizations, which meet criteria for participation in campus, civic and community activities. Athletic waiver recipients are designated by the Athletic Department. Applications are available from the Athletic Department (Taylorsville Redwood Campus, LAC Athletics Office, 2nd floor).

NON-RESIDENT

Available to outstanding non-Utah resident students. Applications considered throughout the year. This waiver covers the resident tuition amount only, while others cover 1/2 of the non-resident tuition differential.

SUMMER TERM WAIVERS

Available to continuing students with at least a 3.5 GPA for summer term only. Awards are based on weighted cumulative GPA and total earned College credit hours. Application deadline is April 1.

SCHOLARSHIPS

Scholarships provided by SLCC or by private donors are awarded on the basis of superior achievement and promise of future excellence. Financial need also is a criterion for some scholarship awards. Policy for the recipient's selection is made by a committee composed of faculty, staff and student representatives or may be established by the donor. Application forms for all scholarships are available from the Financial Aid Office or online at www.slcc.edu/financialaid.

NOTE: Scholarship funds may be available during the school year. Please visit the Financial Aid page for availability at www.slcc.edu/financialaid.

GENERAL SCHOLARSHIP FUND

SLCC scholarships are made available through a number of endowment and annual scholarship donations. A student may be awarded only one of these scholarships, which are based on a

combination of need and merit each year. Awards range from $70 to the total amount of tuition & fees per semester. Applications are available in early spring at the Financial Aid Office or online at www.slcc.edu/financialaid. Application deadline is April 1 for the following August.

Private or state scholarships vary in availability from year to year. Special applications may be required and deadlines for submission vary. Students should contact the Financial Aid Office for information on other scholarship funds, which may have been donated to the College. Applications are available at www.slcc.edu/financialaid. The following briefly describes some typical sources:

FOUNDATION SCHOLARS

Awarded to freshman students with outstanding academic achievement in high school (minimum GPA of 3.8), with consideration also given to leadership, community service, honors and awards. Scholarship covers tuition and fees plus $700 per year; renewable for a second year if recipient maintains a 3.70 GPA in full-time enrollment. Application deadline is March 1.

TERREL H. BELL LOAN INCENTIVE PROGRAM

State-funded program providing funds for tuition and fees for students pursuing certification to teach in Utah. Funding must be repaid either through teaching in Utah schools or in cash. Application deadline is March 31. May not be available each year.

SCHOLARSHIPS FOR BLIND STUDENTS

Available through both the Utah Council for the Blind and the National Federation of the Blind.

STERLING SCHOLARSHIPS

Tuition only waivers (fees not included) to Sterling Scholar Award recipients at the regional or state level only.

GOVERNOR'S APPLIED TECHNOLOGY SCHOLARSHIPS

Tuition waivers awarded to winners of the Governor's applied technology program.

DETERMINING NEED

A student's financial need is the difference between the cost of attendance at SLCC and the expected family contribution.

LEVEL OF NEED = BUDGET MINUS RESOURCES

A number of federal, state and private sources of assistance are available to eligible students who demonstrate financial need. (Some scholarships and waivers based on merit and achievement are also available.) Aid is available to eligible students enrolled in eligible study abroad programs.

In receiving financial aid, students and their families are expected to assume some responsibility for meeting the cost of education. The expected contribution from the student and family is determined by income, assets, number of dependents and other relevant information. Most financial assistance is awarded when costs of attending SLCC are greater than the ability to pay. To determine this, the College uses the guidelines established by the U.S. Department of Education.

Students may obtain information from the Financial Aid Office at the Taylorsville Redwood, South City, Miller or Jordan locations.

APPLYING FOR FINANCIAL AID

APPLICATION PROCESS

To apply for financial aid, students must:

Complete the Free Application for Federal Student Aid (FAFSA), school code 005220, and send it to the processor. The FAFSA may be submitted via Internet at www.fafsa.ed.gov.

2. Complete the College Financial Aid Student Information Form and submit it to the Financial Aid Office.
3. Submit further documentation, if verification is required by the Financial Aid Office. This may include copies of income tax returns, W-2 forms or proof of untaxed income.
4. Complete the admissions process to become a matriculated student in an eligible program at SLCC. Entering students who need financial aid must be enrolled in an eligible program and all of the matriculation requirements must have been met.

   Not all programs are eligible for financial aid. Please contact the Financial Aid Office to determine if your program is eligible.
5. Have earned a state-recognized high school diploma, or a state-issued General Education Diploma (GED).

APPLICATION PRIORITY DATES

Once students have completed an application for financial aid, it may take up to three months to process applications and notify students. The Financial Aid Office has established the following priority dates for students entering each semester. (Applications for non-credit School of Applied Technology programs are accepted throughout the year.)

FALL SEMESTER	APRIL 15
SPRING SEMESTER	NOVEMBER 1
SUMMER TERM	APRIL 15

NOTE: Priority consideration will be given to students who have completed applications by these deadlines. Applications submitted after the priority dates will be processed as time allows and in the order received. Only one application is necessary for the Fall and Spring semesters; a separate application will be required for Summer term.

WHAT HAPPENS AFTER APPLICATION?

Once the FAFSA results are received in the Financial Aid Office, students will be contacted to provide any other information needed. When the student file is complete, it will be reviewed and processed by the Financial Aid Office.

If eligible, the student will be awarded and an email will be sent to the student's SLCC email address to inform him/her of the amount of aid. If the student has indicated an interest in student loans on the FAFSA, a subsidized and/or unsubsidized Stafford Loan will be offered. Students must also complete Loan Entrance Counseling. The student will be notified if a Master Promissory Note (MPN) needs to be signed. Aid is normally disbursed the week before classes begin. If tuition and fees have not been paid, the aid will be applied to the unpaid charges. If any funds remain after tuition/fees are paid, a check will be mailed to the student's local address, or the student may set up direct deposit through the Cashiers Office.

There are usually responsibilities which accompany receiving student aid. As a rule, students are expected to complete at least 70% of their classes and to maintain a minimum cumulative grade point average (GPA) of 2.0 (or, for programs offered through the School of Applied Technology students must meet satisfactory academic progress (SAP) guidelines.) Requirements for private scholarships may vary; students must be aware of what is expected. For further information or assistance in filling out the FAFSA, contact the Financial Aid Office (students should specify whether they are applying for a program of study through the School of Applied Technology). The two main

sources of financial aid are federal and state aid and scholarships awarded by the College or by private donors and organizations.

For further information or assistance in filling out the FAFSA, contact the Financial Aid Office.

ELIGIBILITY CRITERIA FOR FINANCIAL AID

Students who receive federal or state financial aid funds are expected to maintain satisfactory academic progress (SAP). SAP includes a qualitative measure, as indicated by the cumulative GPA (CGPA), or competency achievement for clock hour programs, and a quantitative measure, determined by comparing attempted credits versus earned (or completed) credits within a maximum time frame, or determined by comparing scheduled hours to competency attainment in School of Applied Technology programs. Determination of SAP takes into account the full record of students' attendance at SLCC, regardless of whether they received financial aid during previous periods of enrollment.

Under certain circumstances, students may qualify for financial aid when repeating courses. If a student is unable to pass a class (grade of D- or higher), financial aid may be available until the course has been passed. Once a course has been passed, students may retake the course one time for any reason (improve grade, review information, etc.) and may qualify for aid again. However, retaking courses may impact a student's eligibility for financial aid based on the 150% limit (see paragraph below).

Students are allowed 150% of the published number of credit hours or clock hours required for graduation completion in which to complete their program of study. For example, a student whose program requires 65 hours would have approximately 95 attempted credit hours to complete the program; or in the case of clock hour programs, a student whose program requires 600 hours would have 900 clock hours to complete the program.

Calculation of maximum allowed hours is based on attempted hours, defined as all hours for which a student has enrolled, including all transfer hours which are relevant to the current program of study. Classes which receive a grade of withdraw (W), incomplete (I), audit (AU) or extension (EX) are considered attempted hours, as are all repeat courses.

Based on student need, a maximum of 30 remedial credit hours may be added to the published required number of credit hours. Transfer hours not applicable to program graduation will be subtracted from the number of credit hours required for graduation, thus a maximum time hour limit would be reduced accordingly. For example, if a student has 25 transfer hours and the program of study requires 65 for graduation, the maximum time-frame is determined by deducting 25 hours from 65 and multiplying the remainder by 150%. This would equal a max time-frame of 60 hours. This rule does not apply to clock hour programs.

To ensure consistent progression toward graduation, students must satisfactorily complete a minimum of 70% of cumulative attempted credit hours or clock hours with cumulative GPA of 2.0 or better or a "P" for each course completed in the clock hour program. Academic progress will be monitored each term; or, in the case of clock hour programs of study, at 25%, 50%, 75%, and 100% intervals. Students who do not maintain a 70% completion rate with a minimum cumulative GPA of 2.0, or a "P" for each course completed in the clock hour program, for two consecutive terms or two consecutive 25% intervals respectively will have their financial aid terminated. If extenuating circumstances can be shown to have caused the student to fail to meet this academic standard, the student may appeal (as described below).

The penalty for failure to achieve SAP is termination of aid for at least one term or one 25% interval, or until the student has achieved satisfactory completion of 70% of cumulative enrolled hours with a minimum cumulative GPA of 2.0 or "P" in clock hour programs. Further aid is not awarded until this has been accomplished.

Academic renewal will not impact a student's satisfactory progress. A copy of the complete satisfactory progress policy may be requested at the Financial Aid Office.

APPEAL PROCESS

Students may appeal to the Financial Aid Appeal Committee for an extension of maximum allowed credit or clock hours or for a waiver of requirements for attendance/completion of a term or 25% interval without aid based on documented mitigating circumstances. The appeal must be made in writing and must include supporting documents to substantiate the circumstances which brought about the appeal and which were beyond the control of the student. Students in credit programs who disagree with the Appeal Committee's decision may ask that the documentation and the Committee decision be reviewed by the Director of Financial Aid and/or the Assistant Vice President for Student Enrollment Services. Students enrolled in the School of Applied Technology clock-hour programs may ask for a review by the Director of Student Affairs.

CONDITIONS UNDER WHICH FINANCIAL AID MAY BE WITHDRAWN:

- Failure to meet satisfactory progress standards
- Failure to meet conditions of financial aid probation
- Misrepresentation or falsification of application materials for aid or for admission
- Official or unrecorded withdrawal from the College
- Violation of any institutional policy or regulation which could result in suspension or termination from the College
- For Stafford Loans, failure to complete a minimum of 6 hours with a grade of D- or higher.

FINANCIAL AID OVERPAYMENT AND RETURN OF TITLE IV FUNDS POLICY

The following procedures are used to determine the amount to be returned to federal (Title IV) funds:

OVERPAYMENT

An overpayment situation occurs when students receive a Pell Grant and drop classes after funds have been disbursed. For example, if a student receives a Pell Grant based on full-time enrollment and then drops to nine credits, an overpayment will be calculated. Any refund will be credited back to the Pell Grant and the student will be required to pay back any difference between a full-time Pell Grant and a 3/4-time Pell Grant. These funds must be repaid prior to receiving aid for subsequent terms at SLCC or any other institution.

Students attending the School of Applied Technology may have an overpayment if they were paid for a 25% interval, enrolled in classes, and do not attend classes.

RETURN OF TITLE IV FUNDS

Return of Title IV funds occurs when a student receives federal funds and then officially drops, withdraws or ceases attendance without notifying the school. The amount of unearned Title IV aid must be figured. This is determined by multiplying the percentage of term, or 25% interval for clock hour programs, not attended (based on calendar days including weekends and holidays) by the

Title IV aid received. All types of aid—including loans—are used in this calculation. College work-study funds which have been earned will not be included. If a student attended more than 60% of the term, no return of funds will be required.

After the amount of Title IV aid to be returned is calculated, a determination of how much must be returned by the institution and how much must be returned by the student will be determined. Any funds returned by the institution are credited in the order of loans, (Unsubsidized Stafford, Subsidized Stafford, Perkins, PLUS) Pell Grant, FSEOG Grant and other Title IV aid. If the student has any loans (Perkins, Stafford, and Plus) which have been used in the calculation, this obligation will be due and payable by the terms of the promissory note. Any grant funds to be returned by the student will be reduced by 50%. For example, if a calculation determines that a student's grant obligation is $300, the repayment will be $150.

Any return of Title IV funds required by student must be paid prior to receiving additional financial aid at SLCC or any other institution. Any funds returned by the institution on the student's behalf must be repaid by the student to the College prior to receiving grades or attempting to register for subsequent terms. A complete and detailed explanation of this policy, along with examples, is available at the Financial Aid Office.

Graduation

APPLYING FOR GRADUATION

In order to graduate, students must:

1. Apply for graduation at least one semester before intended graduation and before the deadline published in the class schedule;
2. Complete an Application for Graduation obtained from Enrollment Services or www.slcc.edu/graduation;
3. Pay the $25 graduation fee at the Courtesy Desk or Cashier's Office. A separate application and fee are required for each Certificate of Completion, diploma, or degree sought.
4. Graduation certificates and diplomas are mailed six to eight weeks after the end of the semester in which the student is approved to graduate and complete graduation requirements.

GRADUATION REQUIREMENTS

To be eligible for graduation from SLCC, students must:

1. Student must be a current, matriculated (degree seeking) student.
2. Apply for graduation at least one semester or term prior to completing requirements, and by the priority deadline published in the class schedule.
3. Based on the program requirements most programs require 60 to 72 credit hours of courses numbered 1000 or higher.
4. Complete requirements for a certificate of completion, a diploma, or a degree as outlined in the catalog.
5. Cumulative grade point average (GPA) must be 2.0 or higher.
6. "I" grades necessary for graduation must be completed.
7. Students requesting a substitution should see an academic advisor. Some course substitutions may require approval by the department or division chair.
8. Clear all College financial obligations in order to graduate.
9. Complete a minimum of 25% credit hours from Salt Lake Community College.
10. Repeated course work may only count once in the total credit hours earned for graduation.
11. Diploma name must be the same name as declared on the SLCC student record.
12. Students pursing dual degree programs must apply and pay for each program.
13. Application for graduation is valid for one year. A new application and additional payment will be required after the one-year time period has elapsed.
14. Courses numbered 0001-0999 may not be used toward graduation.

Students seeking degrees must apply as follows:
Spring..... October 15th
Summer..... February 15th
Fall.....July 15th

Students submitting a graduation application will receive correspondence via email regarding approval for graduation. Students not cleared for graduation will receive a letter which includes a degree audit indicating missing classes. The Graduation Office will evaluate the academic record in accordance with the program requirements for which the student has applied. The Graduation Office will determine graduation eligibility in the catalog year the student was admitted unless there is a two-year break. If there is a two-year break, the current catalog year will be used. A future catalog year may be used by noting the preferred catalog year on the graduation application.

DIPLOMA REMAKES

Diploma remakes are available for a $25 fee. Diploma remake forms may be found at www.slcc.edu/graduation. Submit completed form to Enrollment Services after paying the $25 fee at Cashiering. A separate remake form is required for each degree. Diplomas may not be ordered by a third party. Diploma names are the recorded name on the student record; a name change may be submitted through the Data Center with official documentation before requesting a diploma remake.

SCHOOL OF APPLIED TECHNOLOGY GRADUATION REQUIREMENTS

To be eligible for graduating from programs offered through the School of Applied Technology, students must successfully complete or be on target to successfully complete their program of study by May 1st prior to the SLCC graduation date. Students meeting these criteria will be notified by mail prior to March 30th.

HONOR GRADUATES AND CORDS

Students who complete coursework with a cumulative grade-point average between 3.5 and 3.79 will be awarded Honors at graduation and qualify for a silver cord. Students who complete coursework with a cumulative grade-point average of 3.8 or above will be awarded High Honors and qualify for a gold cord (See President's List, Dean's List page 39). Students who complete the requirement for the Civically-Engaged Scholar program will be awarded a royal blue cord at graduation.

ACADEMIC RENEWAL

POLICY

Students admitted to Salt Lake Community College may petition to have poor grades and credits discounted from the GPA calculation of previous coursework. To petition, the student must have an interruption in their education at Salt Lake Community

College of at least five consecutive years and meet the policy requirements 1.1 through 2.8. The Academic Renewal Policy allows a returning student the opportunity to improve academic standing at Salt Lake Community College.

1. Academic renewal permits returning students to discount previous poor grades and associated credits from grade point calculations under the following conditions:

1.1 Returning students must have an interruption in their collegiate education at Salt Lake Community College of five or more consecutive years.

1.2 The grades and associated credits to be discounted must be at least five years old.

1.3 Academic renewal applies only to courses with grades of D+, D, D-, E or UW.

2. Conditions under which academic renewal will be considered:

2.1 The applicant must be enrolled at Salt Lake Community College at the time of application for academic renewal and upon return to Salt Lake Community College, and have completed 6 credits of graded coursework at SLCC with a GPA of 2.0 or above.

2.2 Academic renewal may be applied only once during a student's academic career at Salt Lake Community College and it is irreversible.

2.3 Not all graded coursework described in 1.3 must be discounted. Students may request specific courses for academic renewal.

2.4 Repeated courses and credits are not eligible for academic renewal.

2.5 Grades and credits approved for academic renewal will no longer count toward Salt Lake Community College program or graduation requirements.

2.6 Courses approved for academic renewal and the course grades will remain on transcripts with an academic renewal notation.

2.7 Students will not receive a tuition adjustment or refund for courses granted academic renewal status.

2.8 Academic renewal applies only to courses and credits taken at Salt Lake Community College.

PROCESS FOR APPLICATION

- Students need to meet with an Academic Advisor before applying for academic renewal.
- Students applying for academic renewal must complete and submit the academic renewal application form to Enrollment Services.
- Students must clearly identify courses for which they are requesting academic renewal.
- Enrollment Services will determine if all conditions have been met; the student will be notified within four weeks.
- Upon approval for academic renewal, grade point average and credit hours earned will be recalculated and appropriate notations made on the student's record.
- Academic renewal may not be accepted by transfer institutions or for financial aid satisfactory academic progress requirements.

SALT LAKE COMMUNITY COLLEGE POSTHUMOUS DEGREE POLICY

POLICY

All Degrees, Certificates of Completion, and Diplomas awarded by Salt Lake Community College may be issued posthumously under the following conditions:

1. The deceased student has completed a minimum of 80% of program and credit-hour requirements for his/her major field of study.
2. The deceased student is in good academic standing and has earned a minimum grade-point average of 2.00 at Salt Lake Community College.
3. The deceased student must have been enrolled at the college within the past two years.

A deceased student not eligible for a posthumous Degree, Certificate of Completion, or Diploma, may be awarded a Certificate of Academic Achievement at the discretion of the College.

PROCEDURE

1. A formal request for the Degree/Certificate/Diploma to be awarded posthumously may be initiated by any interested person or organization associated with the deceased student, and must be submitted to the Vice President for Student Services, accompanied by documentation of the student's death.
2. The Vice President will request a review of the deceased student's record by the Graduation Office to verify that minimum requirements have been met.
3. The Registrar will certify to the Vice President that the minimum requirements have or have not been met.
   a. If minimum requirements have been satisfied, the Graduation Office will so notify the Vice President, provide the appropriate Degree, Certificate of Completion, or Diploma, with diploma cover, to the requestor, and post the award on the deceased student's transcript.
   b. If minimum requirements are not met, the Degree/Certificate/Diploma will not be awarded, and the Vice President will determine if the circumstances warrant the awarding of a Certificate of Academic Achievement.
   c. If the Certificate of Academic Achievement is to be awarded, the Graduation Office will provide it to the requestor. No notations of this certificate will be made on the deceased student's transcript.
4. The Vice President will communicate the results of the request to the requestor.

Transcripts

The permanent record (transcript) of your academic achievement is maintained by Enrollment Services. Transcript requests can be processed at Taylorsville Redwood, Miller, South City and Jordan Campus sites for a $5.00 fee per transcript. For information call (801) 957-4298 or visit www.slcc.edu. School of Applied Technology records are available separately at the School of Applied Technology at South City Campus, (801) 957-3354.

VIEW TRANSCRIPTS ONLINE

Login to mypage.slcc.edu, click on the "Student" tab, and in the "Student Portal" frame click on "Student Records" and then "Academic Transcript." Click [Print Transcript] at the top of the record to print an unofficial transcript.

ORDER OFFICIAL TRANSCRIPTS

Official transcripts are signed by the college registrar and sealed with an official SLCC seal. Official transcripts are used to transfer college credit to receiving institutions. The cost of each requested transcript is $5.00. Students are able to request transcripts online, in person, by mail or by fax. SLCC is unable to process transcript requests by phone or by email. To request an official transcript:

ONLINE

1. Go to www.slcc.edu. Sign into MyPage and click on the "Student" Tab
2. In the Student Portal locate Student Records, and click on "Official Transcripts"
3. Pay the transcript fee by credit card and follow the prompts until your request is complete

If you have trouble with your MyPage account, contact the Help Desk at (801) 957-5555.

IN PERSON

Complete a Transcript Request Form at Enrollment Services and pay the $5.00 fee to Center Courtesy Desk or Cashiers office. Bring the completed request form to Enrollment Services with your picture ID.

MAIL OR FAX

Include a completed Transcript Request Form OR include the following information: Name, Student ID or SS#, Date of Birth, Last Date Attended, Previous Names, the Name and Address of person or organization transcript is to be sent to, your Current Contact Information, and your Signature authorizing release of your transcripts.

Mail transcript request and $5.00 check or money order:

ENROLLMENT SERVICES
SALT LAKE COMMUNITY COLLEGE
PO BOX 30808
SALT LAKE CITY, UT 84130-0808

Or fax your request to (801) 957-4961 and call cashier at (801) 957-4868 to pay fee by credit card.

College Policies

UNSCHEDULED COLLEGE CLOSURES

INFORMATION HOTLINE - (801) 957-INFO (957-4636)

www.slcc.edu

SLCC normally remains open, running on schedule even during inclement weather. However, in cases of unusually severe weather or other unanticipated conditions, it is possible the College schedule may change: one or more sites may be closed or may open late, classes may be canceled, staff offices may be closed or evening classes may be dismissed early. For information about any unscheduled College closure, check the College homepage or call the information hotline listed above. Information is posted to the homepage, and is available on the hotline as soon as any decisions affecting class status are made. The information is updated whenever conditions change.

CHANGES IN LAWS, RULES AND POLICIES

1. Although every effort has been made to assure accuracy of information in this catalog, students and others should note that laws, rules and policies change periodically. Often, such changes alter the information contained in this publication. It is not possible in a publication of this size to include all rules, policies, and other information which pertain to students or Salt Lake Community College.

   The most current or complete information may be obtained from appropriate departments and divisions. Changes may be implemented without prior notice and without obligation and, unless specified otherwise, are effective when made.

   Nothing in this catalog shall be construed, operated as, or have the effect of an abridgment or a limitation of any rights, powers or privileges of the Utah State Board of Regents, SLCC's Board of Trustees, or SLCC's President.

   This catalog does not constitute a contract or the terms and -conditions of a contract between students and the institution. The relationship of students to the institution is one governed by statute, rules, and policy adopted by the Utah Legislature, Board of Regents, Board of Trustees, the President and their duly authorized designees.
2. Advisors are provided to assist students in planning academic programs. They are not authorized to change established policy. Students are solely responsible for assuring that their academic programs comply with College policy. Any variance with established policy must be confirmed by a division chair.
3. SLCC has the right to terminate or modify programs and/ or program requirements, content and the sequence of program offerings from semester to semester for reasons it deems sufficient to warrant such action.
4. Course descriptions are based on reasonable projections of faculty, faculty availability, facilities, and curriculum considerations. They are subject to change based on changes in circumstances.
5. Accreditation, approvals, and certification of SLCC are based on the institution's status at the time of printing this catalog. They are subject to review and modification from time to time.
6. SLCC disclaims liability of any kind for injury or illness of students as a result of participation in activities connected with the College. Every reasonable effort is made to provide safe conditions for conducting all activities.

STUDENT EMAIL (MyMail) POLICY

All Salt Lake Community College students are issued an email (MyMail) account for use throughout the students' college career as a registered student, and for two years after the last registration action. Accordingly, email is considered an official channel for communication between the College and students. Email services are provided to students of Salt Lake Community College in support of the teaching, learning, and outreach mission of the College and the administrative functions to carry out that mission. Email may not be used for unlawful activities.

POLICY

A College-assigned student email account shall be the College's official means of communication with all Salt Lake Community College students. The College reserves the right to send official communications to students by email with the full expectation that students receive and read emails in a timely fashion.

The full text of the College email policy can be found at: www.slcc.edu/enrollmentservices/misc/StudentEmailPolicy.asp

STUDENT RIGHT TO KNOW

In accordance with the Student Right-To-Know and Campus Security Act (P.L. 101-542, amended by P.L. 102-26), Salt Lake Community College conducts an annual study of persistence and graduation rates of full-time freshman who have not previously attended college. Results of this yearly study and information regarding security issues are published online at www.slcc.edu/disclosures. A printed copy is available from Enrollment Services.

STUDENT PRIVACY RIGHTS

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights are:

THE RIGHT to inspect and review the student's education records within 45 days of the day the College receives a request for access. Students should submit written requests identifying the record(s) they wish to inspect to the Registrar. The Registrar will make arrangements for access and notify the student of the time and place where the records may be inspected. If records are not maintained by the Registrar, he/she shall advise the student of the correct official to whom the request should be addressed.

THE RIGHT to request the amendment of the student's education records that the student believes are inaccurate or misleading. Students may ask the College to amend a record that they believe is inaccurate or misleading. They should write the College official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading. If the College decides not to amend the record as requested by the student, the College will notify the student of the decision and advise the student of the right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to hearing.

THE RIGHT to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the College in an administrative, supervisory, academic or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the College has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record to fulfill his or her professional responsibility. Upon request, the College may disclose education records without consent to officials of another school in which a student seeks or intends to enroll.

NOTE: SLCC has contracted with the National Student Clearinghouse to provide verification of student enrollment and degrees or certificates earned. The National Student Clearinghouse is considered a "school official" acting with "legitimate educational interests."

THE RIGHT to file a complaint with the U.S. Department of Education concerning alleged failures by SLCC to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

FAMILY POLICY COMPLIANCE OFFICE
U.S. DEPARTMENT OF EDUCATION
400 MARYLAND AVENUE, S.W.
WASHINGTON, D.C., 20202-4605

Personally identifiable information or records relating to a student will not be released to any individual, agency or organization without the written consent of the student as described in FERPA regulations, except Directory Information, which may be released upon request unless the student specifically withholds permission to do so. Directory information includes:

- Student's name
- Address
- Telephone number
- Email address
- Date of birth
- Major field of study
- Dates of attendance
- Enrollment status
- Degrees and awards received
- Most recent previous educational agency/institution
- Participation in recognized activities/sports

TO WITHHOLD THE RELEASE OF DIRECTORY INFORMATION

Students or alumni must complete a Request to Prevent Disclosure of Directory Information form, available from Enrollment Services offices and online at www.slcc.edu, to withhold release of directory information. This form may be submitted at an Enrollment Services office during regular office hours; the request will become effective upon computer input.

AMERICANS WITH DISABILITIES ACT (ADA)

SLCC embraces both the letter and the spirit of the Americans With Disabilities Act (ADA), which in part says, ".. . no qualified individual with a disability shall, by reason of such disability, be excluded from participation in or be denied the benefits of the services, programs or activities of a public entity, or be subjected to discrimination by any such entity."

For more information, STUDENTS should contact the Disability Resources Center at (801) 957-4659 (Voice) or (801) 957-4646 (TTY). EMPLOYEES should contact Human Resources at (801) 957-4212. For the SLCC ADA Coordinator, call (801) 957-4041.

EQUAL OPPORTUNITY/AFFIRMATIVE ACTION

Salt Lake Community College is an equal opportunity institution providing education and employment opportunities without regard to race, color, gender, sexual orientation, religion, national origin, disability, age and/or veteran status.

Inquiries concerning the above, including the application of Title I, Title VI, Title VII, Title IX, or Section 504* may be referred to the SLCC Director of Equal Employment Opportunity at (801) 957-4561.

***DEFINITIONS:**

Title I - American Disabilities Act

Title VI - Civil Rights Act

Title VII - Civil Rights Act

Title IX - Educational Amendments of Rehabilitation Act

Section 504 - A Section of the Age Discrimination in Employment Act

CRIME AWARENESS AND CAMPUS SECURITY REPORT

Safety and well being of students, visitors and employees is a high priority at SLCC. The full support and cooperation of the entire college community is required to allow for the pursuit of knowledge in a safe and secure environment. The Crime Awareness and Campus Security Report issued to faculty, staff, and students is designed to comply with the Student Right-To-Know and Campus Security Act of 1990. (34 CFR 668.47) and amendments. It is annually updated to provide current information to all students, employees, or any applicant for enrollment or employment at the College. This report includes information about campus law enforcement, reporting of criminal activity, crime awareness and prevention, and campus crime statistics.

To obtain copies, call the SLCC Public Safety Department at (801) 957-4270 or visit www.slcc.edu/disclosures.

Student Code Of Conduct

Salt Lake Community College seeks to provide a safe and secure environment for its community through the dissemination of the Student Code designed to respect and protect the rights and well-being of its members, and without disruption of individual's pursuit of education. The College reserves the right to suspend or dismiss students for failure to adhere to rules outlined in the Code for conduct detrimental to the interest to conform to the College community. Adherent to this right, the College may subject students to disciplinary action for conduct contrary to College policy on or off campus. The primary objective for the administration of discipline under the Student Code of Conduct is to foster **ethically responsible behavior** and protect the campus community.

The Code outlines the specific rights which students are guaranteed and the responsibilities students have as community members. It also specifically outlines the procedures for hearing cases of student misconduct, grievances, and academic dishonesty issues.

CODE AVAILABILITY

Students may obtain a complimentary printed copy of the Student Code of Conduct from the Dean of Students Office (STC 276) Taylorsville Redwood Campus. Students also may request printed copies from Student Services offices at all other SLCC locations. **(The Student Code is available from the home page within the A-Z listings.)**

STUDENT RIGHTS AND RESPONSIBILITIES

Students accept both the rights and obligations of citizenship. They retain and enjoy all rights secured by the Constitution and local, state or national laws.

Rights and freedoms are best preserved in a community whose members are mutually tolerant of the exercise of rights and freedoms and whose members are free from physical violence, force, abuse and threat. Toward that end, SLCC has adopted certain personal and organizational standards, policies and procedures that govern the responsibilities and behavior of its members. Violations are grounds for judicial action and possible disciplinary sanctions. Any students who assist, encourage or incite others to violate SLCC policies are similarly subject to such action.

Daily responsibility for good conduct rests with the students. All members of the College community are expected to use reasonable judgment in their daily campus life and to show due concern for the welfare and rights of others.

Ultimate responsibility and authority to enforce the Student Code of Conduct rests with the College President. The President may, and has, delegated responsibility for administration of the discipline system to the Vice President of Student Services. The Vice President delegates responsibility to the Dean of Students. All procedures followed and decisions made by authorized hearing officers and bodies are approved by appropriate Vice Presidents and may be subject to Presidential review.

SLCC reserves the right to take any necessary and appropriate action to protect the safety and well being of the campus community.

ACADEMIC HONESTY

Honesty is an expectation at SLCC. This means that each member of the College community will adhere to principles and rules of the College and pursue academic work in a straight forward and truthful manner, free from deception or fraud. Any attempt to deviate from these principles is academic dishonesty and will be dealt with according to rules of due process as outlined.

Students are also held to the College policy on acceptable use of college computing resources; which, prohibits the distribution of passwords or confidential information; sending, receiving or storing fraudulent, harassing or obscene messages; and the encroachment of computer resources or any attempt to break, or override the security of the College computers.

Fair and Equitable Disciplinary Process

The SLCC social discipline system is established in accordance with the concept of due process. Due process, as used herein, consists of two parts. First, students will know in advance what conduct is unacceptable, and the consequences of such conduct. It requires rules and regulations of student behavior that are reasonable, clear, and precise, clearly communicated, and fairly and consistently administered (substantive due process). Second, students will be given a statement of charges against them and a fair opportunity to be heard and to present witnesses before a decision is rendered (procedural due process).

Campus Policy on Drugs and Alcohol

SLCC Code of Conduct prohibits possession, consumption, or distribution of hallucinating, narcotic, or other illegal drugs. The code also prohibits possession, consumption, or distribution of alcoholic beverages on any property owned or leased by the College and at any college-sponsored activity. Campus members may be subject to prosecution by civil authorities for violation of state and federal laws. Violation of the alcohol, tobacco, and other drug policies will be handled through the Dean of Students. The sanctions taken may include, but are not limited to: referral for assessment to Health and Wellness Services, appearances before the Student Standards Committee, probation, or expulsion. For information on health risks of alcohol abuse, contact Health and Wellness Services.

ALCOHOL AND TOBACCO LAWS	PENALTIES
DUI - It is illegal to drive or be in physical control of a vehicle while under the influence of alcohol or other drugs. Utah's Implied Consent law requires submission to blood alcohol content (BAC) test. Refusal will result in revocation of license for one year. You are in violation if your BAC is .08 or greater **OR** if you are incapable of operating a vehicle.	Up to 6 months imprisonment and/or $1,000 fine, rehabilitation assessment and education class, suspension of license for 90 days, $100 to victim restitution fund. Accident, injury or death will increase penalties. Class B misdemeanor.
MIP - It is illegal for minors (under 21) to buy, possess (even hold) or drink alcohol.	Up to 6 months imprisonment and/or $1,000 fine. Class B misdemeanor.
NOT-A-DROP - You are in violation if you are under 21, have consumed any amount of alcohol and are driving.	Lose license for 90 days, required substance abuse assessment, and may still face MIP laws.
OPEN **CONTAINER** - It is illegal to drink any alcoholic beverage while operating, or as a passenger in, a vehicle (parked or moving), or have an open container in vehicle.	Up to 6 months imprisonment and/or $1,000 fine. Class B misdemeanor.
SELLING, **FURNISHING, OR SUPPLYING ALCOHOL TO A MINOR** - You are in violation if you provide alcohol to a minor.	Up to one year imprisonment and/or $2,500 fine. Class A misdemeanor.
INTOXICATION - A person is in violation if he is under the influence of intoxicating liquor or other substances to the degree that the person may endanger himself or others in a public or private place and unreasonably disturb others.	Imprisonment in jail or detoxification center if necessary for protection of self or others. Class C misdemeanor.
TOBACCO **USE OR POSSESSION** - It is unlawful for any person under the age of 19 to purchase or possess tobacco in any form.	Maximum $500 fine. Class C misdemeanor.
CLEAN **AIR ACT** - Prohibits smoking in a public place, public meeting, or any government building. (All buildings on SLCC campus.)	Maximum $500 fine. Class C misdemeanor.

Services and Resources for Students

Academic and Career Advising

TAYLORSVILLE REDWOOD CAMPUS, STUDENT CENTER, (801) 957-4978
SOUTH CITY CAMPUS, (801) 957-3361
JORDAN CAMPUS, (801) 957-2680
MILLER CAMPUS, (801) 957-5417
onlineadvisor@slcc.edu
www.slcc.edu/academicadvising

The mission of Academic and Career Advising is to develop an interactive, informative and supportive environment where all students can plan, explore, access resources, make decisions, and evaluate their academic and career goals.

ADVISORS CAN ASSIST YOU TO:

- Get started at SLCC
- Create an educational plan and/or set up a class schedule
- Learn about career and major options
- Understand assessment scores and establish the proper sequence of math and English courses
- Help make connections with faculty and other departments
- Identify the courses needed toward graduation
- Develop strategies for success to overcome obstacles
- Obtain transfer information
- Find resources available at the College and the community
- Answer questions about school policies and procedures

Advising is also available to answer frequently asked questions about employment opportunities, financial aid, student involvement and activities.

Special advising services are available to members of the following communities:

African American	(801) 957-4380
American Indian	(801) 957-3071
Asian	(801) 957-3853
Hispanic/Latino(a)	(801) 957-4556
Pacific Islander	(801) 957-4474

Advisors are available at the Taylorsville Redwood, South City, Miller and Jordan locations. For a listing of departmental program advisors see www.slcc.edu/academicadvising. The general Advising Office is located in the Student Center at Taylorsville Redwood Campus. Call (801) 957-4978 or visit www.slcc.edu/academicadvising for further information about our services.

CAREER PLANNING SERVICES

The information that you will receive from our Academic and Career Advisors will assist you to:

- Learn what stage of career development you are in
- Identify your skills, values, interests, and personality
- Understand how occupations relate to majors
- Organize career research
- Choose the best options for you at this time
- Successfully change your career path
- Identify barriers to success and develop strategies to overcome them
- Find out about learning resources available at the College
- Review career choices in relation to areas of study/programs
- Complete studies in a timely manner and achieve career goals

Academic and Career Advising services can be accessed through one-to-one sessions, workshops, and online. In addition, the Career Library supports student research by providing career encyclopedias, occupational books, journals from professional organizations, and career assessment tools such as the Myers-Briggs Type Indicator (MBTI), the Strong Interest Inventory, and the Campbell Interest and Skill Survey (CISS).

Students can discover a satisfying major and career by exploring their interests, values and personality type using TypeFocus, a free assessment tool found on the MyPage Student Tab/Academic and Career Advising. To explore areas of interest and occupations further, a 1 credit class, LE 1200, Major and Career Exploration is available. For further information about Career Advising Center services, visit any Advising office, call (801) 957-4978, or go to: www.slcc.edu/academicadvising/careeradvising.

TRANSFER SERVICES

TAYLORSVILLE REDWOOD CAMPUS, STC 240, (801) 957-4978
transfercenter@slcc.edu
www.slcc.edu/transfercenter

Many students attend SLCC with the intention of transferring to another college or university. The Transfer Center in Academic Advising has resources such as college reference guides, catalogs, major information, articulation agreements for Utah schools, and information to assist students in exploring their transfer interests. Transfer activities are scheduled every semester which include college fairs, campus visits, transfer workshops and major orientations. Advisors in the general office and departments can assist students in developing an effective transfer plan and timeline. For transfer information see: www.slcc.edu/transfercenter

For further information about how SLCC credits will transfer and for transfer planning, see Transferring Credit in the **THINGS YOU SHOULD KNOW** section of this catalog.

ADVISING SERVICES FOR STUDENTS WITH DISABILITIES

Students with disabilities seeking academic advising or accommodations may do so through the Disability Resource Center (DRC). Details are provided in this catalog section under Disability Resource Center.

ADVISING SERVICES FOR INTERNATIONAL STUDENTS

International students receive advising services through International Student Services (ISS). Further information is provided in this catalog under International Education online at www.slcc.edu/iss. Contacts: international.services@slcc.edu (801) 957-4528.

Student Express

Located on the second floor of the Student Center at the Taylorsville Redwood Campus, Student Express provides information regarding admissions, interpretation of Accuplacer, ACT, and SAT scores, selection of classes, registration, financial aid and other basic student questions. Staff is available to assist students in the Student Express Computer Lab with College online services (setting up MyPage accounts, class searches, registration, degree evaluation, etc.). Similar services are available at Jordan, Miller, and South City locations.

Accounts Receivable

TAYLORSVILLE REDWOOD CAMPUS SC001
(LOWER LEVEL OF THE STUDENT CENTER)
(801) 957-4480

Accounts Receivable manages the unpaid monies owed to Salt Lake Community College with the billing of students, staff, faculty and the general public. These accounts could result from unpaid:

- Tuition and Student Fees, Class Fees, Offsite Usage
- Other Fees may include Health & Wellness
- Dishonored Checks
- Fines for the Library and Parking Services
- Student Tuition Installment Loan (STIL)

Cashier Services

ALL CASHIER INQUIRIES, (801) 957-4868
TAYLORSVILLE REDWOOD CAMPUS, STC 005
SOUTH CITY CAMPUS, W156
CASHIER EXPRESS STC 251
JORDAN CAMPUS HTC 154
MILLER CAMPUS MPDC 110

Payments for tuition and fees may be made online with personal check, savings account transfer, credit card, or debit/credit card. Most other charges are accepted at any cashier location. Cashier Offices are open weekdays. Regular and extended hours are posted on MyPage, in the semester class schedule and at each location. Extended hours are provided during rush periods. Cashier Services will be closed on regularly scheduled holidays.

Students registering for classes or making class changes should view their student account online to verify account balance and that all transactions were completed. Payments or credits include authorizations sent to the College by various sponsors, VA authorizations, and financial aid recipients. Tuition payments may be made by personal check, savings account transfer, credit card, or debit/credit card, by going online to mypage.slcc.edu and clicking on the **STUDENT** tab. Refund and financial aid checks are mailed to student's current mailing address or deposited electronically to student's bank account if student is enrolled in direct deposit, or Discover prepaid card if student is enrolled.

Center For Languages

TAYLORSVILLE REDWOOD CAMPUS, TB 418, (801) 957-3855
www.slcc.edu/languagelab

The Center for Languages uses technology to promote teaching, research and the learning of languages. It is dedicated to helping students to develop and refine their communication skills, with an eye toward acquiring a knowledge of other cultures and becoming global citizens. The Center for Languages provides students and faculty with a place to meet and interact in the various languages offered by SLCC, including American Sign Language, Arabic, Chinese, French, German, Italian, Japanese, Navajo, Portuguese, Russian, Samoan, Spanish and Tongan. It offers free tutoring from qualified individuals.

TUTORING

The Center for Languages offers tutoring in all the languages taught on campus. Students enrolled in a language course can interact with and receive assistance from tutors with native or near native proficiency. The Center strives to establish a favorable learning environment through student-tutor interaction.

AMERICAN SIGN LANGUAGE (ASL)

At the Center for Languages, students can watch various ASL learning programs, communicate with their tutors, and videotape their assignments.

Child Care and Family Services

ECCLES EARLY CHILDHOOD DEVELOPMENT LAB SCHOOL

TAYLORSVILLE REDWOOD CAMPUS, (801) 957-4567
www.slcc.edu/eccleslabschool

DAY PROGRAM

The Eccles Early Childhood Development Lab School provides licensed child care for children between the ages of two and five years. Fees are set according to a sliding scale. The School offers a quality program that meets intellectual, physical, social and emotional needs of developing children and provides participation opportunities for parents. The School is open from 6:45 a.m. to 5 p.m. when College classes are in session. For more information about preschool sessions, visit www.slcc.edu/eccleslabschool.

SOUTH CITY CHILD CARE CENTER

SOUTH CITY CAMPUS, N190, (801) 957-3070
www.slcc.edu/ccfs

DAY PROGRAM

7:30 a.m - 5:00 p.m. Monday – Friday

The South City Child Care serves children two to five years of age or Pre-Kindergarten.

Full day care (5+hours) is $22.00.

Part-day care (5 or less hours) is $12.00.

EVENING PROGRAM

5:00 p.m. - 8:30 p.m. Monday-Thursday

During the evening, the Center serves children two to eight years of age in a multi-age class. Drop off care is available with pre-registration. Cost is $3.00 per hour.

Financial Assistance is available to those who qualify. Our licensed center is based on the belief that children learn best through play. We love children and believe that by teaching acceptance, respect and self worth, and promoting a love for learning, they will become well rounded, caring adults in our future communities.

CHILD CARE FINANCIAL ASSISTANCE

Assistance is based on financial aid eligibility and credit hours enrolled. Assistance may be used for both the Eccles Early Childhood Development Lab School and licensed off-campus Child Care providers. For more information about Child Care Assistance visit www.slcc.edu/ccfs.

College Store

(BOOKSTORES, FIVE LOCATIONS)

TAYLORSVILLE REDWOOD CAMPUS, STUDENT CENTER, (801) 957-4045

SOUTH CITY CAMPUS, FACILITIES SHOP 120A, (801) 957-3329

JORDAN CAMPUS, HTC 131, (801) 957-2620

HIGHLAND CENTER, RM. 265 - (801) 957-2078

MILLER CAMPUS, CART, RM. 117 - (801) 957-5339

bookstore.slcc.edu

Students may purchase textbooks for delivery or pick-up, or compile a textbook list at: bookstore.slcc.edu. Textbook rentals are available at www.slcc.collegestore.rentsbooks.com.

The College Store carries the required books, tools, and supplies needed to complete an educational program. Many other items such as computer hardware and software, computer supplies, paperback books, calculators, logo-imprinted sweatshirts, jackets and other miscellaneous items are available for students to purchase.

The cost of the books, tools and supplies varies with each course. A list of required items is available in every departmental office. The College Store hours are posted at each entrance and online.

Computer Access

Computers are available for student use at all SLCC sites. Call the Help Desk at (801) 957-5555 for locations and hours.

Academic programs with specialized computer needs are equipped with appropriate hardware and software. Computer lab fees may be assessed along with tuition for these classes. Please refer to the course schedule for computer lab requirements and fees for each course.

Concurrent Enrollment

TAYLORSVILLE REDWOOD CAMPUS, ATC 228, (801) 957-4760

www.slcc.edu/concurrentenrollment

COLLEGE CREDIT IN HIGH SCHOOL

A concurrent enrollment class is a college-level class offered to high school junior and senior students for high school and college credit. Concurrent enrollment students register for the class at both the high school and the College. While students earn high school credit, they also earn college credit which is recorded on a permanent college transcript. Through this program, students are able to enroll in certain introductory level SLCC courses offered on their high school campuses during their regular school day.

Concurrent Enrollment courses **offered in the high school** are taught by qualified high school faculty who meet the SLCC requirements for adjunct faculty. College faculty support and supervise these courses and work with the high school teachers as colleagues. Concurrent enrollment courses are a part of high school teachers' normal teaching loads.

Courses taught at the high school are the same as courses taught on SLCC campuses. Instructor qualifications, texts, assignments, the number of exams, and grading requirements are all equivalent.

Placement Testing is required for some general education classes. Limited courses are also available on college campuses, where classes are taught by college instructors.

WHY TAKE CONCURRENT ENROLLMENT CLASSES?

- To get a head start on college courses
- To add a new challenge during the senior high school year
- To ease the transition from high school to college
- To reduce duplication of classes between the last years of high school and the first years of college
- To shorten time needed to earn a degree
- To help undecided students determine if college is the right option
- To develop study habits and critical thinking skills essential to success in college

SAME CREDIT/NO TUITION

Students are required to apply for admission to the College and pay the $40 admission application fee. Because state funding supports the cost of instruction and facilities, concurrent enrollment classes at the high school are offered to students with no tuition charges.

In addition, selected Concurrent Enrollment classes are offered on SLCC campuses without tuition or fees. In contrast, students who attend SLCC classes as Early Enrollment students do pay tuition and fees.

Early Enrollment

EARLY ENROLLMENT ADVISOR, (801) 957-6144 OR 957-4215

An alternative program to Concurrent Enrollment is Early Enrollment. Academically qualified high school juniors and seniors may pay tuition and attend **regular on-campus** SLCC classes while still attending high school. For further information regarding this program and application deadlines, please visit www.slcc.edu/earlyenrollment.

Copy Centers
(Printing Services)

TAYLORSVILLE REDWOOD CAMPUS, MAIN OFFICE, ATC 109, (801) 957-4157

TAYLORSVILLE REDWOOD CAMPUS, STC, CENTER COURT 100E, (801) 957-5197

JORDAN CAMPUS, HTC 131, (801) 957-2678

SOUTH CITY CAMPUS, N121 – (801) 957-3301

www.slcc.edu/printingservices

The SLCC Printing Services copy centers offer a full array of document and printing services. Full services include black & white digital copying, color digital copying, document scanning, document layout, books, flyers, brochures, postcards, document binding, document folding, cutting, a variety of finishing options, paper supplies, laminating, transparencies, large format printing, document or photo enlargements, photo restoration, canvas prints, mounting, posters, vinyl banners, vinyl lettering, signs, custom magnets, custom car decals, custom calendars, custom

design services, wedding invitations, custom t-shirts, faxing, mailing, and FedEx services. Come support your college copy centers, a convenient and prompt method for your document and printing needs. Email your request to: copycenter@slcc.edu.

Credit Union

TAYLORSVILLE REDWOOD, (801) 545-7002
JORDAN, (801) 545-7004
SOUTH CITY CAMPUS, W135, (801) 545-7003
ALL OTHER BRANCHES, (801) 325-6228
www.macu.com

Membership eligibility at Mountain America Credit Union is a benefit offered to all students, faculty, staff, and alumni of Salt Lake Community College. Opening an account is easy! Simply bring your $25 deposit and valid Driver's License to any Mountain America Credit Union branch, located near most of the SLCC campuses throughout the valley. Mountain America Credit Union offers upgraded benefits to students, such as free checks, free VISA debit card, student loans, and an opportunity to establish good credit with "Credit Builder" programs. Students can securely access their accounts anytime through the credit union's web page at www.macu.com. With competitive rates and lower fees than other financial institutions, remember Mountain America Credit Union for auto loans, VISA credit cards, mortgage loans, retirement accounts, and Certificates of Deposit. Mountain America Credit Union is proud to be a partner of Salt Lake Community College.

Disability Resource Center

TAYLORSVILLE REDWOOD CAMPUS, STC 244
(801) 957-4659 (VOICE), (801) 957-4646 (TTY)
SOUTH CITY CAMPUS, W138, (801) 957-3258
ALL OTHER CAMPUSES, (801) 957-4659
www.slcc.edu/drc

The Disability Resource Center (DRC) provides services and accommodations for students with documented disabilities who need assistance with educational, physical and/or program accommodations while pursuing their education. Services are available at all SLCC sites. To become eligible for services, students must complete an application for the DRC and provide qualified medical and/or psychological documentation of their disabilities. Services are designed to accommodate the limitations of the disability and are approved on an individual basis, as well as reevaluated each semester. DRC is also available for consultation, training and assistance to faculty, staff, and outside agencies. See our website for complete information about services and procedures.

DRC SERVICES

- Disability Advising
- Transition assistance
- Early registration
- Liaison with community agencies, faculty and staff
- Assistive technology
- Adaptive equipment
- Accommodated testing services
- Interpreting for the deaf
- Learning strategies training
- Notetaking, reading, and scribing
- Alternative text services
- ADA information

Enrollment Services

TAYLORSVILLE REDWOOD CAMPUS, STC 270, (801) 957-4298
SOUTH CITY CAMPUS, W138, (801) 957-3350
JORDAN CAMPUS, HTC 101, (801) 957-2680
MILLER CAMPUS, MFEC 138, (801) 957-5417
LIBRARY SQUARE, (801) 957-2000
MEADOWBROOK, (801) 957-5821

SCHOOL OF APPLIED TECHNOLOGY ENROLLMENT SERVICES
SOUTH CITY CAMPUS, W137D, (801) 957-3354

Enrollment Services offices provide a wide range of admissions, registration, and student records services. See specific service listings for more details.

Financial Aid Assistance

TAYLORSVILLE REDWOOD CAMPUS, STUDENT CENTER, (801) 957-4410
SOUTH CITY CAMPUS, STUDENT SERVICES AREA, (801) 957-3352
JORDAN CAMPUS, HTC 101, (801) 957-2682
MILLER CAMPUS, MFEC 128, (801) 957-5306
www.slcc.edu/financialaid

For details about Financial Aid processes and requirements, see Financial Aid in the **THINGS YOU SHOULD KNOW** section of the catalog.

Food Service

TAYLORSVILLE REDWOOD CAMPUS, STUDENT CENTER, (801) 957-4323
ALL CATERING, (801) 957-4008
www.slcc.edu/diningservices

Food Service is available for students, faculty, staff and guests. Food Service provides beverages, snacks, breakfast, sandwiches, grill service, salads, pasta, Mexican food, and hot entrees at reasonable prices.

The Taylorsville Redwood Campus Student Center features **Bruin Bites Food Court** featuring six popular branded vendors, including: Nuevo Café, Cobblestone Sandwich Shop, Chef Tom's Pizza & Pasta, Golden Seas Chinese food, Peet's Coffee, Smoothie Kiosk and the Champion's Grill. Formal and informal indoor seating and a spacious patio offer a variety of options to the diner.

The South Campus features the South Side Express. The Miller Campus offers meals at the Miller Grill "Jerry's." The Jordan Campus has the JC Café. Check each location for times of operation and specific menus.

Vending machines are also located at all campus locations. The SLCC Food Service also provides complete banquet, catering services and take-out.

MEAL PLANS

Food Service offers a Declining Balance Meal Program through our OneCard office. Please call (801) 957-4116 for details. Good at all College sponsored Food Service locations.

Health and Wellness Services

TAYLORSVILLE REDWOOD CAMPUS, SC035, (801) 957-4268
SOUTH CITY CAMPUS, W175, (801) 957-3323
JORDAN CAMPUS, JHS 011, (801) 957-6211
www.slcc.edu/hw

Health and Wellness is a student centered professional partner providing access to medical services, counseling, health promotion and massage, utilizing integrated therapeutic approaches to care. We believe that health and learning are interdependent and our mission is to guide and empower students to achieve academic success and a lifelong pursuit of health.

Health and Wellness Services strives to keep students healthy, performing at their optimal ability, prepared to pursue lifelong wellness, and achieve academic success.
The Health and Wellness staff of health educators, social workers, massage therapists, and medical providers can offer educational experiences, training, support and care to keep students well, and to help students overcome illnesses should they become sick.

Health & Wellness Services:
- Counseling
- Medical Clinic
- Massage
- Health Education & Promotion

Health and Wellness Services also serves faculty and staff for a minimal charge.

Contact Health and Wellness Services for additional information about specific services or visit www.slcc.edu/hw

SEE ALSO: **INSURANCE.**

Host Family Program

SLCC serves 300 international students from 50 countries on our campuses. Our goal is to connect people from the College, the local community and from the world to form a bridge for international awareness.

The Host Family Program is one of our intercultural programs designed to give both students and families an intercultural experience. Its purpose is to enhance understanding between the people of the United States and the people of other countries through educational and cultural exchanges. SLCC believes that hosting international students provides important opportunities for students to adjust and learn about U.S. culture while helping to prepare American students to live and work in a global environment. The need for increased international and intercultural understanding has never been greater.

For more information about the SLCC Host Family Program and how you can get involved, contact International Student Services at (801) 957-4528 or www.slcc.edu/hostfamily.

Housing

Students moving to Salt Lake City to attend Salt Lake Community College should make living arrangements in advance. International Student Services offers a Host Family Program. In addition, we provide a list of apartments in the area.

On-campus housing is not available.

APARTMENTS

A list of apartments is available through the International Student Services (801) 957-4528 www.slcc.edu/iss.

Insurance

STUDENT ACCIDENT INSURANCE

Accident insurance is provided for students enrolled at SLCC. The policy provides limited secondary coverage for accidental injury while attending school or a school sponsored activity. For more information, please contact the SLCC Office of Risk Management at (801) 957-4533.

INTERNATIONAL STUDENT HEALTH INSURANCE

Health insurance is mandatory for international students. Students who do not meet health insurance requirements will not be allowed to register for classes. Proof of insurance meeting SLCC health standards and deadlines for submission are available at www.slcc.edu/iss.

International Education

International programs at SLCC include services for international students studying at SLCC and services for students and faculty wishing to have an international experience.

INTERNATIONAL STUDENT SERVICES

TAYLORSVILLE REDWOOD CAMPUS, STUDENT CENTER 234
(801) 957-4528, FAX, (801) 957-4432
www.slcc.edu/iss

International Student Services assists international students in making smooth transitions into successful academic careers and social experiences while studying at SLCC. International Student Services provides:

- International admission services
- Pre-arrival information
- New International Student Orientation
- Immigration-related document processing
- Foreign student/immigration advising (SEVIS)
- Academic, cross-cultural and personal counseling
- Intercultural programming
- International Diplomacy Program
- Host Family Program

International Student Services presents workshops and programs on international issues to students, faculty, and staff, as well as answering questions relating to international students' needs and requirements. ISS serves as a liaison between SLCC and the U.S. Citizenship and Immigration Service and the Department of State.

For further information about International Student Admissions at SLCC, refer to Admissions in the **THINGS YOU SHOULD KNOW** section of this catalog.

STUDY ABROAD

TAYLORSVILLE REDWOOD CAMPUS, CT 258, (801) 957-4593

Students have the opportunity to participate in a variety of study abroad programs. Participants study in another country and may earn credit. All participants gain valuable insights into other cultures and further their understanding of international issues.

Instructional Testing Center (ITC)

TAYLORSVILLE REDWOOD CAMPUS
CONSTRUCTION TRADES BUILDING (CT), SUITE 070
(801) 957-4442

SOUTH CITY CAMPUS, N287
(801) 957-3406 OR 1(888) 963-SLCC (7522)
www.slcc.edu

The ITC is available to facilitate in-person testing for online coursework. The ITC has locations on multiple campuses and provides a friendly testing environment to ease the stress of test taking. We are open extended hours (day/evening) to accommodate the online student.

Learning Resources Library/Media Services

TAYLORSVILLE REDWOOD CAMPUS
MARKOSIAN LIBRARY, (801) 957-4195
MEDIA CENTER, (801) 957-4199
SOUTH CITY CAMPUS LIBRARY/MEDIA, SHOP BUILDING 130
(801) 957-3432
JORDAN CAMPUS LIBRARY/MEDIA, (801) 957-2661
MILLER CAMPUS LIBRARY/MEDIA, (801) 957-5412

Hours of operation are listed on the ELIE web portal.
libweb.slcc.edu/about-library

The library system has 103,946 print books, 671 print periodical subscriptions, over 50,000 e-books, 447 e-journals, 76 electronic databases with full-text articles, indexing, and indexing/abstracting services, e-books, streaming video, art and anatomy images. The library has 20,932 media items and over 6,000 educational videos are available on demand through the ELIE web portal.

The library provides online services and information through the ELIE Web portal. This includes the library catalog, article databases, subject guides, live reference help, learning tools, community resources, a College directory and institutional information.

Library staff provides research and ePortfolio assistance to students, including instruction on the effective use of library and online resources. They can help locate and acquire print materials from anywhere in Utah and across the United States through Inter-Library Loan.

The Markosian Library at the Taylorsville Redwood Campus provides: group and quiet study areas, individual and group media viewing areas, coin-operated copy machines, a student lab with 107 computers, laptops available for checkout, wireless internet, as well as the ELIE café and lounge. The South City and Jordan, and Miller Campus Libraries offer some, but not all of these services.

A current SLCC OneCard ID is required to checkout materials, to use the computer lab, and for printing.

Multicultural Initiatives Center

TAYLORSVILLE REDWOOD CAMPUS, SC 236, (801) 957-4954, FAX (801) 957-3837
SOUTH CITY CAMPUS, STUDENT SERVICES AREA, W135
(801) 957-3134, FAX, (801) 957-3374
EMAIL Multiculturalinitiatives@slcc.edu
WEBSITE www.slcc.edu/multicultural

Our mission is to serve as a resource for Salt Lake Community College to promote social, educational, and cultural diversity in the retention and persistence of ethnic minority students. We have two locations: Taylorsville Redwood Campus, SC 236 (Student Involvement Center) and South City Campus, W135.

Multicultural Initiatives is committed to providing a positive environment that values culture, diversity, and collaboration in best serving our students. Our department offers great programs and services:

- Cultural programming
- Diversity Peer Program (Peer Action Leaders—PALS)
- Student Service Committee
- Horizonte Pathways Program
- Ethnic Mentoring Program
- Bruin Steppers—First Year Experience
- Ethnic Student Clubs
- Leadership Opportunities
- Diversity One-Time Hardship Tuition Waivers
- Open House Activities
- Community Service Projects
- College Visits
- Academic & Graduation Recognition, and MORE!

Academic Advisors are available to provide special assistance to members of the following communities

African American	(801) 957-4380
American Indian	(801) 957-3071
Asian	(801) 957-3853
Hispanic/Latino(a)	(801) 957-4556
Pacific Islander	(801) 957-4474

MyPage Online System

mypage.slcc.edu

MyPage is a comprehensive, secure intranet portal serving the needs of SLCC students, faculty, and staff that provides world-class online services:

- Announcements
- Faculty and Staff Portal
- Online Course Access

- Personal Calendar
- Email Account
- Student Records and Services:
  Class Registration
  Schedule
  Tuition Payment
  Grades
  Financial Aid

MyPage is the official online gateway to all College services including class registration, and tuition and fee payment. Each student is provided a MyMail email account for official email communication with the institution, faculty and staff. Students are expected to check the account on a frequent and consistent basis. To obtain their MyPage username and password, new students must go to mypage.slcc.edu, select "Get your username and password," and enter the requested information (including the student number provided on the admission letter). Students should log on to MyPage well in advance of registration to familiarize themselves with the system. Computers are available for student use at all SLCC locations; students may call the Technology Help Desk at (801) 957-5555 for computer availability or technical assistance.

OneCard ID Centers

TAYLORSVILLE REDWOOD CAMPUS, COURTESY DESK, (801) 957-4022
SOUTH CITY CAMPUS, E148, (801) 957-3407
JORDAN CAMPUS, COURTESY DESK, (801) 957-2600
MILLER CAMPUS, MFEC 117A, (801) 957-5379
www.slcc.edu/onecard

OneCard is the official ID card for SLCC. Students must be registered (***enrolled in classes***) to obtain a OneCard. Students are required to have a OneCard to participate in the following activities and services:

- Access to the Lifetime Activities Center for facilities and events
- Use as a library card
- Serves as a debit card for purchases at food court establishments, college store books and supplies, the Lair, vending machines and copy center
- Serves as a debit card for tuition and fee payments
- Voting card for student elections
- ID for computer lab access and printing services
- ID for test taking at testing center
- ID in conjunction with UTA EdPass

OneCard ID Centers are located at the Taylorsville Redwood, South City, Jordan and Miller Campuses. Call (801) 957-4022 or visit our website at www.slcc.edu/onecard for further information about obtaining a OneCard and the services we provide.

Parking Services

Main Office (801) 957-4011

PERMITS AVAILABLE AT:

TAYLORSVILLE REDWOOD CAMPUS, GFSB 103, CASHIER OR COURTESY DESK

SOUTH CITY CAMPUS, CASHIER OR COURTESY DESK
JORDAN CAMPUS, CASHIER OR COURTESY DESK

MEADOWBROOK CAMPUS, FRONT DESK BLDG. B
LIBRARY SQUARE (FOR LIBRARY SQUARE PARKING ONLY)

PARKING PERMITS

All vehicles are required to have a permit at the Taylorsville Redwood Campus, South City Campus, Jordan Campus, and Meadowbrook Campus. Library Square requires a separate permit specific to that location. Student's parking permits cost:

Student Annual Permit	$35.00
Student Semester Permit	$17.50
Month Permit	$5.00
Week Permit	$3.00
Day Permit	$1.00

ALL PERMITS MUST BE DISPLAYED CORRECTLY IN VEHICLE TO BE VALID.

PERMITS ARE VALID ONLY FOR THE VEHICLES REGISTERED TO THEM.

To purchase a permit, please bring your vehicle's current registration. If you do not have a current registration you may purchase a month permit for $5.00 each month.

If one vehicle is registered, one sticker will be issued. You must bring in two or more current registrations before a hang tag can be issued.

If a parking permit is lost or stolen during the course of the year, you must purchase a new one. If you change vehicles, please bring in the original permit sticker and registration for a new one, at a cost of $1.00.

Disabled Parking requires an SLCC disabled permit and state placard. Only the owner of the disabled placard may buy and use the permit. Please bring in disabled placard and vehicle registration when buying permit. Disabled permits cost: $35.00 annually or $17.50 per semester.

ALL ANNUAL PARKING PERMITS EXPIRE ON AUGUST 31, OF EACH YEAR

PARKING METERS

Parking meters are available at all campuses for visitors. Permit does not authorize parking at meters without paying.

For complete parking information and regulations go to www.slcc.edu/parking.

Placement Assessment

TAYLORSVILLE REDWOOD CAMPUS, CT 033-, (801) 957-4500
JORDAN CAMPUS, HTC 202, (801) 957-2606
SOUTH CITY CAMPUS, W281, (801) 957-3284
www.slcc.edu/testing

All degree seeking (matriculated) students must complete the Accuplacer before they register for any classes. The SLCC Testing Centers at Taylorsville Redwood, South City, and Jordan Campuses administer the Accuplacer each weekday on a walk-in basis. No appointment is necessary. A photo ID is required to take the placement. The Accuplacer is un-timed; students may take as much time as needed. The Accuplacer is not graded on a pass/fail basis. Scores are also used for class placement. Retests are limited to English one time per semester; Math two times per semester. Recent ACT or SAT scores (less than two years previous) may be used in place of the Accuplacer placements. Students who have taken the ACT or SAT recently should submit their official scores to Enrollment Services for evalua-

tion. Transfer students with recent math or English credit from another institution may be eligible to clear all or part of the placement assessment requirements. If you are transferring into SLCC, please visit our website at www.slcc.edu/transcriptevaluation to learn how to have your prior credits evaluated. You may not need the placement assessment.

CREDIT BY EXAMINATION: CLEP AND CHALLENGE EXAMS

For details on earning College credit through the College Level Examination Program (CLEP) or Challenge Exams, see Credit by Exam in **THINGS YOU SHOULD KNOW** in this catalog.

GENERAL EDUCATIONAL DEVELOPMENT (GED) EXAM

The GED test is available for students wishing to obtain credit toward a high school or GED diploma. A fee is charged. Age requirements do apply. Picture ID required. Check with the Taylorsville Redwood Testing and Placement Center at (801) 957-4500, or the School of Applied Technology Testing and Placement Center at South City Campus, (801) 957-3249, for further information.

SCHOOL OF APPLIED TECHNOLOGY TESTING SERVICES

School of Applied Technology Testing Services, at South City Campus, helps individuals make realistic career decisions based on assessment of academic skills, learning aptitudes, vocational interests, plus occupational and labor market information.

Additional services include:

- GED Testing
- Nursing Assistant Certification
- International Society of Certified Electronics Technicians (ICET)
- Police Officer Selection Test (POST)

For further information, please contact the School of Applied Technology Testing Services at South City Campus. Room W124, (801) 957-3249.

Recreational and Athletic Facilities

TAYLORSVILLE REDWOOD CAMPUS
LIFETIME ACTIVITIES CENTER, (801) 957-5808
www.slcc.edu/lac

SLCC provides a variety of gymnasium and athletic facilities for students' personal and course-related use. The Taylorsville Redwood Campus Lifetime Activities Center offers a gymnasium, an indoor track, racquetball courts, a strength room, and a fitness center that are available throughout the day and evenings, Monday through Saturday.

Students may use all recreational facilities and participate in recreational programs **FREE** of charge with current student ID.

Athletic facilities are located in Lifetime Activities Center to include Arena, Team locker rooms, Team room, Training room, Fitness and Strength facilities, Hitting facilities, and Auxiliary gym. Additionally, there is Cate Field for Baseball, the Bruin Softball Field and Bruin Soccer field. www.slcc.edu/athletics

Students may attend all home athletic events **FREE** with current student ID.

School Relations

TAYLORSVILLE REDWOOD CAMPUS, SC 256, (801) 957-4105
www.slcc.edu/schoolrelations

School Relations staff directs all aspects of outreach and recruitment efforts for prospective students. The staff is committed to assisting prospective students and their parents, high school counselors and other public school staff with information regarding degree and program options, financial aid, scholarships, activities and clubs and campus events.

Events such as early college outreach activities, college awareness events, open house activities, activities involving special interest groups, and programs for junior high school students are also offered.

This department also participates in GEAR UP, (Gaining Early Awareness and Readiness for Undergraduate Programs), a federally funded program designed to increase the number of low income students in junior high and high school prepared to enter and succeed in post secondary education.

SLCC Online

JORDAN CAMPUS, HTC 115
1(888) 963-7522 (SLCC)
TAYLORSVILLE REDWOOD CAMPUS, TB 216
(801) 957-4406
www.slcc.edu/online

SLCC Online is the College's virtual campus. From SLCC Online, you can access over 200 different course offerings that allow you to Step Ahead: anytime, anywhere. Courses are offered online, or through web/video conferencing.

For a listing of current offerings and how to get started, join us online at www.slcc.edu/online.

SUPPORT CENTERS

SLCC Online provides a myriad of services to assist students in the online classroom. Support staff are available to answer questions about registration, instructor contact information, exam proctoring and how to get started. You can contact us in-person, by phone or online chat.

Social Media Directory

The following departments have Social Media sites as listed below. For live links please go to the Services and Resources for Students section in the online catalog: slcc.edu/catalog

FACEBOOK

- Academic & Career Advising
- Academic & Career Advising for Business Students
- Athletics
- The Grand Theatre (Add as a friend)
- The Grand Theatre (Visit our page)
- Horizonte Project
- International Student Services (Mardi Gras)
- Salt Lake Community College (the College page)
- Student Association
- SLCC Online

- Student Life and Leadership
- Student Services South Region
- Thayne Center for Service & Learning

TWITTER

- Follow Academic & Career Advising
- Follow Bruin Athletics
- Follow the Grand Theatre
- Follow Student Life & Leadership
- Follow the Thayne Center for Service & Learning

BLOGS

- Academic & Career Advising
- Bruin Athletics
- The Grand Theatre

YOUTUBE

- See videos from the Thayne Center

Student Centers

STUDENT INFORMATION AND QUESTIONS
TAYLORSVILLE REDWOOD CAMPUS, (801) 957-4298
JORDAN CAMPUS, (801) 957-2670
SOUTH CITY CAMPUS, (801) 957-3307

TAYLORSVILLE REDWOOD STUDENT CENTER OPERATIONS, (801) 957-4075

SLCC's Student Centers are the social, cultural and recreational centers for students, faculty, staff, alumni and guests of the College.

The **Taylorsville Redwood Campus Student Center** houses many Student Services including: Enrollment Services, Student Express, Academic and Career Advising, Financial Aid, Cashiering, Multicultural Initiatives Office/Multicultural Center, International Student Services, Disability Resource Center, Veteran Affairs, Health Clinic, Health and Wellness Services, the Thayne Community Service Center, College Store, Bruin Bites Food Court, Student Association office and student clubs offices, Information Desk, 'OneCard' ID Center, Mountain America Credit Union, and the Student Center and Auxiliary Services Administration offices.

The Student Events Center and patio, located on the west side of the Taylorsville Redwood Campus Student Center, is used for large and small meetings, dances, entertainment and outdoor food events. 'The Lair: Food, Games and Fun' and a 'Quick Stop' Convenience Store provide students with fast food options while the full service Bruin Bites Food Court provides more substantial menu selections.

SLCC Food Service also provides complete banquet and catering services - call (801) 957-4520.

Vending machines, a courtesy phone, a copy kiosk and two ATMs are also available in the Taylorsville Redwood Campus Student Center.

The **Jordan Campus Student Pavilion** serves as the student gathering place on the Jordan Campus. Meeting room facilities, a small auditorium, and comfortable lounge areas surrounding a fireplace provide space for entertainment, study and relaxation.

The **South City Campus Student Center** is located on the east side of the campus building near the Bookstore and Library. It is a one-stop-shop for information, student IDs, UTA passes, parking permits, and main cashiering services. Due to renovation, our Food Service is currently located at the South Side Express.

Student Employment and Cooperative Education

TAYLORSVILLE REDWOOD CAMPUS, AD 195, (801) 957-4014
SOUTH CITY CAMPUS, W 134, (801) 957-3047
JORDAN CAMPUS, HTC 164 B, (801) 957-6242
MILLER CAMPUS, (801) 957-6242
MEADOWBROOK CAMPUS, (801) 957-4014
LIBRARY SQUARE, (801) 957-3047
INTL. AEROSPACE/AVIATION EDUCATION CENTER, (801) 957-4014
www.slcc.edu/seces

SLCC Student Employment and Cooperative Education (CO-OP) office blends three separate, but closely related services:

- CO-OP Education/Internships/Work-based Learning
- Student Employment
- Student Employment Services for Special Populations

Services include full-time career and training-related employment services, part-time and temporary employment, internships and work-based learning.

COOPERATIVE EDUCATION/ INTERNSHIPS/WORK-BASED LEARNING

Cooperative Education Services help students gain a variety of work experience opportunities to assist in their transition from education to employment.

Cooperative Education (CO-OP) is a program that integrates course work with study-related work experience. Cooperative Education offers opportunities for students to complete portions of their educational goals through new learning associated with employment/internships. Cooperative Education is a partnership involving employers, educational institutions, and students. Using learning objectives, CO-OP students earn college credits, which apply toward diploma, certificate, or degree programs. In some programs, CO-OP may be substituted for lab classes with faculty approval. Because CO-OP course requirements are based primarily on regular periods of study-related work and are individualized for each participating student, it is not possible to audit or challenge a CO-OP course.

In most cases CO-OP and internship students receive pay or remuneration for work performed. To ensure against exploitation, a student may not be involved in an unpaid work experience with the same employer for more than one semester without review by the CO-OP office.

CO-OP/INTERNSHIP/WORK-BASED LEARNING BENEFITS:

- A better understanding of relationships between education and the world of work
- More meaningful academic experiences through working with professionals in the field
- Opportunities to work with equipment, facilities and processes that cannot be duplicated in college classrooms or laboratories
- Opportunities to fine-tune basic skills for heightened professional competence
- Earnings to apply toward living or educational expenses.
- Opportunities to combine theory with practice in completing the educational process
- Development of a study-related work history (for inclusion in a resume)
- Credit toward college degree, diploma, or certificate

Before registering for a CO-OP/internship/work-based learning course, students are required to have employment or an internship in a study-related job and must obtain an approval form to register from a CO-OP Specialist. Students who wish to participate in CO-OP, but who do not have employment or an internship in a study-related position, should come to the Student Employment Office at least one semester in advance for assistance in finding an appropriate CO-OP opportunity. More specific information on each CO-OP program may be found in the college catalog semester class schedules. Students should contact a Student Employment Specialist to determine whether their current job qualifies for CO-OP credit.

If CO-OP is not listed in a specific major, please inquire at a CO-OP office (listed above).

STUDENT EMPLOYMENT SERVICES

SLCC Student Employment Services is committed to providing quality service to students seeking employment. Although employment cannot be guaranteed, SLCC provides assistance to students seeking training -related and career employment, and to students seeking part -time, temporary, and non-training related employment. SLCC Student Employment Services recognizes the need to help students prepare to compete successfully for employment by offering job seeking skills workshops. SLCC Student Employment Services include the following:

- Development of employment opportunities for SLCC students
- Updated listings of employer request (job orders) posted in strategic areas throughout all the SLCC campuses, sites, and online at www.slcc.edu/seces
- Interviewers to help match student skills with employer requests
- Workshops to teach job search strategies, resume writing, interview techniques, job retention skills, networking, and job research techniques
- Mock interviews
- Labor market information
- Appropriate referrals to service agencies

JOB LISTINGS AVAILABLE ONLINE at www.slcc.edu/seces.

EMPLOYMENT SERVICES FOR STUDENTS WITH DISABILITIES

SLCC is committed to providing services to students with disabilities. Through the resources of the Student Employment and Cooperative Education Services office, and through active participation in state and federal grant programs, SLCC provides employment services to persons who are recognized as having barriers to employment.

EMPLOYMENT SERVICES FOR INTERNATIONAL STUDENTS

International Students may work part-time on campus (up to 20 hours per week). Information on procedures to work on campus must be obtained from International Student Services. International students wishing to work off campus must qualify, and be authorized, through International Student Services.

EMPLOYMENT SERVICES FOR SCHOOL OF APPLIED TECHNOLOGY STUDENTS

The School of Applied Technology is committed to helping students obtain employment upon completion of their training. Students work with an Employment Specialist who provides services for the training program they are attending. Students can also visit one of the School of Applied Technology Employment Services locations to receive assistance. The location and hours for School of Applied Technology Employment Services are: W136 at South City Campus, 8 a.m. to 4:30 p.m., or by appointment, phone: (801) 957-3354 or fax: (801) 957-3283, Monday through Friday. School of Applied Technology Employment Services provides additional resources to School of Applied Technology students, as outlined in the School of Applied Technology section of this catalog.

Student Life and Leadership

ALUMNI ASSOCIATION

TAYLORSVILLE REDWOOD CAMPUS, AD 050, (801) 957-4838

www.slcc.edu/alumni

The mission of the SLCC Alumni Association is to promote pride in SLCC, serve current and future alumni, engage the community, and encourage philanthropic support for the College. The Association is guided by an Alumni Council that includes former students and interested community members. The Alumni Association provides both on-campus and off-campus benefits, social networking, special events, a mentoring network, and regular email communication. Scholarships are awarded by the Association each year to direct relatives of SLCC Alumni. Membership in the Alumni Association is free and is available to any student who has completed one class at SLCC. To take advantage of alumni benefits, visit any campus ID Center to purchase an Alumni OneCard for $5.00.

ATHLETICS (GO BRUINS!)

TAYLORSVILLE REDWOOD CAMPUS, LIFETIME ACTIVITIES CENTER (LAC)

(801) 957-4515

www.slcc.edu/athletics

SLCC Athletics sponsors men's and women's basketball, women's volleyball, men's baseball and women's softball, all known as the Bruins. Volleyball and basketball games are played in the Lifetime Activities Center (LAC) at Taylorsville Redwood

Campus. Baseball is played at the Cate Field at Jordan Campus. Softball is played at the SLCC softball diamond on Taylorsville Redwood Campus.

Students, faculty, staff and community members are invited to join the Bruin Club, the fund-raising arm of the athletic program. Students have **FREE** admission to all home Bruin athletic events with current student ID card (guests only $2).

SLCC intercollegiate athletics is a member of the National Junior College Athletic Association (NJCAA) Region XVIII, the Scenic West Athletic Conference. The SWAC also includes North Idaho, Snow College, USU/CEU, Colorado Northwestern, Southern Idaho, Western Nevada, and College of Southern Nevada. Student athletes must comply with the eligibility regulations of the NJCAA and the SWAC conference.

CAMPUS RECREATION

LIFETIME ACTIVITIES CENTER (LAC) DESK, (801) 957-3801
EXTRAMURAL SPORTS, (801) 957-4078
SPORT CLUBS; STUDENT ASSOCIATION, (801) 957-4015
www.slcc.edu/lac

Campus recreation opportunities include open recreation, extramural sports, and sport clubs.

OPEN RECREATION

Open recreation times are available at the Taylorsville Redwood campus.

TAYLORSVILLE REDWOOD LIFETIME ACTIVITY CENTER (LAC):

Strength Room
Fitness Center
Gymnasium
Racquetball Courts
Jogging Track

Competitive team recreation opportunities are available in tennis. The tennis team plays a limited schedule against other Utah community colleges. Contact Lisa Peshell (801) 957-4078

SPORTS CLUBS

SLCC also provides competitive opportunities through Sports Clubs organized by students and their advisors:

Men's Volleyball
Men's & Women's Soccer
Rodeo
Cheer Squad

For further information contact Student Life and Leadership Office (801) 957-4015

SLCC STUDENT ASSOCIATION/ STUDENT LIFE AND LEADERSHIP OFFICES

JORDAN CAMPUS, SP 202, (801) 957-2835
TAYLORSVILLE REDWOOD CAMPUS, STC 124, (801) 957-4015
SOUTH CITY CAMPUS, E174, (801) 957-3434
www.slcc.edu/sll

All students who are registered and have paid their student fees are members of the Salt Lake Community College Student Association (SLCCSA). The student Executive Council provides leadership to the SLCCSA. Students are represented by the Executive Council and the Student Senate on various SLCC boards and committees to bring forth student issues and concerns.

SLCCSA is housed in the Student Life and Leadership Offices at Jordan Campus - Student Pavilion, Taylorsville Redwood Campus - SC124 and South City Campus - E174. Activities and events are held at each campus. Volunteers are needed in all areas to assist in developing, implementing and promoting different activities.

THE SLCC STUDENT ASSOCIATION EXECUTIVE COUNCIL

The Executive Council is made up of eight positions which include the SLCCSA President, who sits on the Board of Trustees; the Executive Vice President, who presides over the Student Senate; Jordan Region Vice President, who serves the students at the Miller Center, and the Jordan Campus; South City Region Vice President, who serves the students at International Aerospace/Aviation Education Center, Library Square and South City Campus; the Taylorsville Redwood Activities Vice President, who provides activities for Meadowbrook Center and the Taylorsville Redwood Campus; the Fine Arts Vice President, who provides cultural fine arts events and lectures for the student body; the Clubs and Organizations Vice President, who supports student clubs and organizations; and the Public Relations Vice President, responsible for all marketing and publicity. Elections are during Spring Semester, but positions on boards are open several times a year.

STUDENT SENATE

The Student Senate is made of senators from all campuses. Each senator's objective is to talk with students and help them with issues and concerns. They may be reached through the Student Life and Leadership Offices or email studentissues@slcc.edu.

STUDENT LIFE AND LEADERSHIP ELIGIBILITY

SLCC students are invited to apply for positions on the many boards and committees. To be eligible a student must have and maintain a 2.5 semester/term GPA and complete nine credit hours per semester. Applications are available in any SL&L office.

SLCCSA CLUBS AND ORGANIZATIONS

The Clubs and Organizations office is housed in the Student Involvement Center at Taylorsville Redwood Campus SC 236 or (801) 957-4094. Students who are interested in joining or starting a club or organization are encouraged to talk with the Clubs and Organizations Vice President. Club organizing information is also available at the Student Life and Leadership Offices at Jordan and South City. A list of active clubs and organizations is available in any Student Life and Leadership Office or at www.slcc.edu.

Thayne Center For Service & Learning

TAYLORSVILLE REDWOOD CAMPUS, STC 020
(801) 957-4555
www.slcc.edu/thaynecenter
FACEBOOK THAYNE CENTER SLCC
TWITTER @THAYNECENTER
YOUTUBE THAYNE CENTER SLCC
BLOG SLCCTHAYNECENTER.BLOGSPOT.COM

The Thayne Center to empowers students and faculty with the knowledge and skills to affect positive change in our community. The mission of the Thayne Center is to establish capacity-building relationships with community organizations, facilitate service-learning development opportunities for faculty, and coordinate service leadership programs for students who are out to change the world.

SLCC students may participate in programs such as Alternative Spring Break, America Reads Community Work-study, SLICE: Student Leaders in Civic Engagement, the Civically-Engaged Scholar Program, or volunteer at local nonprofit organizations.

Students may also enroll in service-learning classes, which combine community service with academic instruction. Service-learning focuses on critical, reflective thinking, as well as personal and civic responsibility. The Thayne Center's service-learning program cultivates community partnerships, facilitates course development, and supports faculty who engage students and our community in this innovative pedagogy.

CIVICALLY-ENGAGED SCHOLAR PROGRAM

Students who wish to challenge themselves beyond the classroom experience may become Civically-Engaged Scholars. Scholars enroll in a specific track based on their interests and areas of study. The program requires volunteer service as well as service-learning coursework, a two-credit foundation course, and a capstone project combining academic goals with community interests. Upon completion of the program, students receive special recognition at Commencement and the Civically-Engaged Scholar distinction is noted on their transcripts. This program transfers directly to the University of Utah's Service-Learning Scholar Program.

Transfer Center

See Transfer Services in Academic and Career Advising, p.55, for more information.

TRiO Programs

SLCC hosts two TRiO programs funded by the U.S. Department of Education: Student Support Services and Educational Talent Search (ETS College Bound). These federally funded educational opportunity programs assist first generation students (parents did not graduate from college) who meet a low income guideline to prepare for and pursue postsecondary education.

STUDENT SUPPORT SERVICES

TAYLORSVILLE REDWOOD CAMPUS, PO 3, (801) 957-4089

www.slcc.edu/sss

TRiO/Student Support Services provides personal attention and support that guides participants through college including: building educational plans and balanced schedules, tutoring, applying for scholarships, completing the federal financial aid application, connecting with other students who have similar goals, and building connections at 4-year institutions for transfer after graduation from SLCC. For information about eligibility and an application call the office or visit the website.

ETS COLLEGE BOUND

TAYLORSVILLE REDWOOD CAMPUS, PO 2

(801) 957-4089

www.slcc.edu/etscollegebound

ETS College Bound works with junior, middle, and high school students to encourage them to complete high school and attend college. SLCC partners with Granger High, West High, Valley Jr. High, West Lake Jr. High, Bryant Middle School, and Northwest Middle School.

Tutoring Resources

CENTER FOR LANGUAGES

Dedicated to helping students develop their communicative skills in the target language through audio/video language learning programs and computer-based language programs. Please see Center for Languages.

LEARNING CENTER PROGRAMS

LEARNING CENTER PROGRAMS MAIN OFFICE

TB 213, (801) 957-4172

www.slcc.edu/learningcenter

SLCC Learning Center Programs provide free tutorial services to students in order to promote student success. The Learning Center Programs serve students by offering one-to-one tutoring and other educational support services in the Drop-in Learning Centers, Student Writing Centers, ESL Labs, Reading Centers, and Focused Tutoring, Accounting Lab, CIS tutoring, Learning Emporium, and the One Stop Tutor Shop. The Learning Center Programs support computer literacy and offer free computer access at our labs; we also offer online tutoring support in math and writing, as well as access to the Northwest eTutoring Consortium. We strive to help our students to build confidence, defeat anxieties, increase study skills, and develop a greater appreciation for education and learning. We focus on active learning, learner's independence, and motivation. For more information on any of these programs, please call the appropriate number below.

TAYLORSVILLE REDWOOD CAMPUS

Learning Center, Drop-in, TB 213	(801) 957-4172
Student Writing Center, AD 218	(801) 957-4893
Open Computer Lab, TB 221	(801) 957-4178
ESL Lab, TB 213	(801) 957-4026
Reading Center, TB 430	(801) 957-4581
Focused Tutoring, TB 213	(801) 957-4138

SOUTH CITY CAMPUS ONE STOP TUTOR SHOP

Learning Center, Drop-in, N 308	(801) 957-3261
Focused Tutoring, N 308	(801) 957-3124
ESL Lab, N 316	(801) 957-4026
Student Writing Center, N 316	(801) 957-3261
Reading Center, N 316	(801) 957-3261

JORDAN CAMPUS

Learning Center, Drop-in, HTC 102 (801) 957-2852

MILLER CAMPUS

Learning Center, Drop-in, MATC 201(801) 957-5209

LEARNING CENTER DROP-IN CENTERS

TAYLORSVILLE REDWOOD

TB 213, (801) 957-4172

SOUTH CITY CAMPUS ONE STOP TUTOR SHOP

N308, (801) 957-3261

JORDAN, HTC 102, (801) 957-2852

MILLER, MATC 201, (801) 957-5209

www.slcc.edu/learningcenter

Many of the Learning Centers are drop-in centers. Students needing assistance in math or science may come to the Learning Centers or the One Stop Tutor Shop and work on their homework. When they need assistance, they can notify a tutor who can come to their table to help them with specific concepts. These centers are the most popular of the Learning Center Programs' tutoring centers. The service is free and assistance is available in most math classes as well as biology, chemistry, and physics.

ONE STOP TUTOR SHOP

SOUTH CITY CAMPUS ONE STOP TUTOR SHOP
N308, (801) 957-3261
DROP-IN, ESL LAB, FOCUSED TUTORING, READING CENTER, STUDENT WRITING CENTER
www.slcc.edu/learningcenter

For the convenience of the students at South City Campus, all of the Learning Center Programs' services have been centralized into one location. The One Stop Tutor Shop is located at N 308 and N 316. Students can find drop-in tutors, Focused Tutoring, an ESL Lab, a Student Writing Center, and a Reading Center. Services are free. Hours are as posted. Appointments are not needed for the drop-in center.

STUDENT WRITING CENTER

TAYLORSVILLE REDWOOD CAMPUS, AD 218
SOUTH CITY CAMPUS ONE STOP TUTOR SHOP, N 316
JORDAN CAMPUS IN HTC 102
(801) 957-4893
www.slcc.edu/swc

Writing advisors work with all in-class writing assignments and other writing projects such as scholarship applications, memos, and reports. Advisors assist in analyzing the writing situation or project, developing a writing plan, undoing writing "blocks," and providing feedback to the writer. Computers and assistance with word processing are available as are online tutoring and email tutoring. All services are free for SLCC students. Hours vary by campus.

ESL LAB (ENGLISH AS A SECOND LANGUAGE LAB)

TAYLORSVILLE REDWOOD, TB 213
SOUTH CITY CAMPUS ONE STOP TUTOR SHOP, N 316
(801) 957-4026
www.slcc.edu/learningcenter

The ESL Lab offers free help to ESL students to practice English with native English speakers, which helps to improve their language skills in the following areas: conversation, listening, oral presentations, pronunciation, reading, writing, and telephone conversation. The ESL Lab also provides access to the ELLIS Computer Program. Appointments are preferred.

FOCUSED TUTORING

TAYLORSVILLE REDWOOD, TB 213, (801) 957-4138
SOUTH CITY CAMPUS ONE STOP TUTOR SHOP
N308, (801) 957-3124
www.slcc.edu/focusedtutoring/index.asp

Students needing more personalized tutoring assistance throughout the semester can request to be matched with a tutor for free individual or small group weekly appointments. Tutoring is available predominately in math, physics, chemistry, and biology. Most information about the program is available online. Students may pick up a tutor request form in the Learning Center Programs' drop-in locations or online at the above address.

ONLINE TUTORING

LEARNING CENTER PROGRAMS MAIN OFFICE
(801) 957-4172
www.slcc.edu/learningcenter

Free online tutoring is available in most math classes. This program has expanded in recent years to include more hours and more tutors. There are instructions about how to set up your computer to work with the Online Tutoring platform on the above website.

NORTHWEST ETUTORING CONSORTIUM
LEARNING CENTER PROGRAMS MAIN OFFICE
(801) 957-4172
www.slcc.edu/learningcenter

If SLCC's Online Tutoring isn't available, you can try the Northwest eTutoring Consortium. The NWTC is an online tutoring group that offers free tutoring to SLCC students. This tutoring is available in accounting, anatomy, physiology, biology, calculus, chemistry, economics, math, Microsoft office, outpatient medical coding, pathophysiology, pharmacology, physics, Spanish, statistics, writing, and web development. More information can be obtained from the Learning Center or see the NWTC website at the address listed above.

LEARNING EMPORIUM

TAYLORSVILLE REDWOOD
MARKOSIAN LIBRARY BASEMENT
SOUTH CITY CAMPUS, N319
JORDAN, HTC 250
www.slcc.edu/learningcenter

Students taking Math 0001, Math 0002, and Math 0003 attend class hours within the Emporium two days a week and are required to spend an additional two hours in the lab each week. These math classes are different from Math 0900, 0920, 0950, and 0990 in that students can progress as fast or as slow as necessary as they learn concepts. Their progress is based on passing post-tests in modules before they move forward. Tutors and faculty are in the lab to help the students with homework and testing. Hours are posted and located on the website.

ACCOUNTING TUTORING

TAYLORSVILLE REDWOOD
ACCOUNTING LAB, BB 211
LEARNING CENTER PROGRAMS MAIN OFFICE
(801) 957-4172
www.slcc.edu/learningcenter

The Learning Center, the School of Business, and the Accounting Lab are working together to provide tutors for accounting students. The tutoring is free but the hours of the accounting lab are different from the hours that the tutors work, so please check with them for current hours. This tutoring is currently only available at the Taylorsville Redwood campus in BB 211. For additional information, please contact the Learning Center or see the Accounting Lab website.

COMPUTER LABS AND CIS 1020 TUTORING

TAYLORSVILLE REDWOOD, TB 221, (801) 957-4327 OR (801) 957-4172
www.slcc.edu/learningcenter

The Learning Center Programs offers free CIS 1020 tutoring (Microsoft Office) in its Taylorsville Redwood computer labs. The labs are located near the Learning Center in TB 221. The labs are open for student use. There is a CIS tutor available during set hours. For more information or to find out the hours, please call 801-957-4327 or see their website.

READING CENTER

TAYLORSVILLE REDWOOD, TB 430, (801) 957-4581
SOUTH CITY CAMPUS ONE STOP TUTOR SHOP, N 316, (801) 957-3261
www.slcc.edu/learningcenter

In the Reading Centers, computer programs are available that can assist students in developing vocabulary, comprehension, and reading speed. They offer free drop-in reading tutoring to all SLCC students, especially those enrolled in a reading course. Reading specialists help with reading comprehension, test practice for reading courses, assignments, and offer websites specifically aimed at improving your CPT scores.

WORKSHOPS AND GROUP STUDY

LEARNING CENTER PROGRAMS MAIN OFFICE
(801) 957-4172
www.slcc.edu/learningcenter

Free workshops are offered each semester in response to faculty and student requests. Small study groups are organized and conducted in selected courses. Trained tutors develop course content and suggested study skills necessary for success in those courses.

VIDEOS AND PRACTICE FINALS

LEARNING CENTER PROGRAMS MAIN OFFICE
(801) 957-4172
www.slcc.edu/learningcenter

The Learning Center Programs website hosts videos of finals reviews, practice tests, and some past final exams. Students can access all of this material from the Learning Center Programs website at the address listed above.

FINALS REVIEWS

LEARNING CENTER PROGRAMS MAIN OFFICE
(801) 957-4172
www.slcc.edu/learningcenter

During the last week of school, the Learning Center Programs sponsor group math reviews in preparation for final exams. The math classes covered are based on student demand. These reviews are free and are offered at multiple times to allow as many students as possible the opportunity to review for the final exams.

EMPLOYMENT OPPORTUNITIES

LEARNING CENTER PROGRAMS MAIN OFFICE
(801) 957-4172
www.slcc.edu/learningcenter

If you would like to tutor in any of the Learning Center Programs, please contact the coordinator of the specific program. The coordinators' numbers are listed at the above website, or see the specific programs in the appropriate segment.

PRIVATE TUTOR REFERRAL SERVICE

LEARNING CENTER PROGRAMS MAIN OFFICE
(801) 957-4172

The drop-in Learning Center at the Taylorsville Redwood campus maintains a list of private tutors. This list is of private, fee-for-services tutors in most subjects. The tutor list is offered as a service to students, but students must contact and pay private tutors individually. Although many of the tutors on the list are or have been SLCC tutors, neither the school nor the Learning Center Programs makes any guarantees as to the quality or behavior of the tutors on this list.

University Center

TAYLORSVILLE REDWOOD CAMPUS, CT 274 & 272, (801) 957-4824
www.slcc.edu/universitycenter

The University Center, in coordination with other institutions of higher education, offers a number of evening baccalaureate level programs on SLCC campuses. Once students complete, or nearly complete, an Associate of Science degrees, or in some cases an Associate of Applied Science degree, the required courses for the Bachelor's Degree may only be 40 credits away.

The University Center promotes student access to baccalaureate degrees and enhances students' transitions to 4-year programs by providing articulation guidelines, advising, individualized support and transfer information specific to the baccalaureate programs offered.

For more information and schedules, contact the University Center, **(801) 957-4824**. Academic advising is available for students interested in transferring to these programs. For advising information contact **(801) 957-4824** or **(801) 957-4734**.

BACHELOR OF SCIENCE PROGRAMS

Bachelor's degrees are available at SLCC from the following institutions:

WEBER STATE UNIVERSITY
- Computer Science
- Construction Management
- Criminal Justice

UNIVERSITY OF UTAH
- Nursing (online)

UTAH VALLEY UNIVERSITY
- Biotechnology
- Technology Management

FRANKLIN UNIVERSITY (ONLINE)
- Accounting
- Allied Healthcare Management
- Applied Management
- Business Administration
- Business Forensics
- Computer Science
- E-Marketing
- Financial Management
- Forensic Accounting
- Healthcare Management
- Human Resource Management
- Information Technology
- Management Information Sciences
- Marketing
- Operation Supply Chain Management
- Organization Communication
- Public Safety Management
- Web Development

WESTMINSTER COLLEGE (LOW RESIDENCY)
- Bachelor of Business Administration

BISMARCK STATE COLLEGE (ONLINE)
- Bachelor of Applied Science in Energy Management

Veterans Services & Veterans Center

TAYLORSVILLE REDWOOD CAMPUS, STC 059
(801) 957-4289 OR (801) 957-3838
FAX (801) 957-4987
veterans@slcc.edu
www.slcc.edu/veterans

The SLCC Veterans Center, located on the Taylorsville Redwood Campus was dedicated October 13, 2008 to all SLCC Veterans. This Center offers comprehensive one-stop veteran support services for College and Veterans Services and also includes a lounge and study area for all veterans and dependents to use while attending school.

All VA paperwork is processed at the Taylorsville Redwood Campus where the four School Certifying Officials (SCO's) are located. Veteran work-study employees assist new students to complete their application for VA benefits, complete SLCC forms, and navigate the college student computer systems. Forms and information can be obtained and submitted in the Center or on the Veterans website. Each new student will receive a complete one-on-one orientation by an SLCC Veterans Center employee reviewing all SLCC and Dept. of Veterans Affairs (DVA) policies and procedures when the initial paperwork is submitted, to ensure policies are understood.

A few points to know and remember for all Veterans and dependents:

- AS, AA and AAS degree programs at SLCC are approved for the use of VA educational benefits. Many Certificate and Diploma programs are also approved. Any questions concerning program eligibility can be directed to a Veterans Center Representative.
- New applications for benefits may take approximately 60-90 days to process.
- The VA will pay for only classes required for graduation at SLCC. It is the student's accountability to know what is required.

Students must notify the Veterans Office each semester by email at veterans@slcc.edu or by submitting a copy of a class schedule of their intent to use benefits.
Veteran students must inform the Veterans Office immediately of changes in class schedule or personal contact information. Failure to do so will result in a delay of claims being processed, a delay in benefits being paid to the student, and a possibility in overpayment to the student by the VA.
Students are required to attend and make satisfactory progress in classes. Monthly pay during the semester is based on class attendance.

Students must maintain at least a 2.0 GPA to continue to be certified for benefits. Students will be required to sign a statement of 'Understanding of GPA Satisfactory Progress stating you understand you are required to maintain a 2.0 GPA. VA Benefits will be suspended if your GPA is below a 2.0.
The VA requires all prior training credit must be reported to the VA. Transcripts from all colleges/universities attended must be submitted and evaluated in the 1st semester at SLCC.

- Only veterans receiving chapter 30, 1606 and 1607 benefits must verify attendance to the DVA on the last day of each month to receive pay.
- In compliance with the new TA MOU, all veterans using Tuition Assistance (TA) must visit with a Certifying Official in the SLCC Veterans Center to receive a degree plan and complete contact information.

To determine which benefit is to your advantage, visit www.gibill.va.gov.

VETSUCCESS ON CAMPUS

October 2010, the Department of Veterans Affairs announced the expansion of the VetSuccess on Campus program to include SLCC as a host site. This program is a collaborative effort between SLCC and the VA to encourage, promote, and support veteran's success in college endeavors. A VA Counselor, Mike Foster is located in the Veterans Center to assist all veterans in making the most of their educational opportunities by providing on-campus educational counseling and VA support. Mike can also provide assistance with enrollment in health and VA benefits, employment preparation and placement, and information regarding other VA benefits the veteran may be eligible for.

Services and Resources for Faculty and Staff

Barbering and Cosmetology Services

www.slcc.edu/barberingcosmetology

The SLCC Barbering/Cosmetology Department has three locations to offer services to faculty and staff, as well as the public:

- Taylorsville Redwood Campus (day and night programs) (801) 957-4030
- Jordan Applied Technical Center (day and night programs) (801) 256-5731
- Granite High School (day program only) (801) 646-5347

All of the services are performed by current students in the program. The hair services (cuts, permanent waves, hair color, styling, and facial shaves for men) are offered to all staff and faculty members for half price. No appointments are necessary for the barbering services. Appointments are preferred for cosmetology, especially for chemical services, but are not always necessary. Walk-ins are welcome and will be accommodated whenever possible. For an appointment and times of services please call one of the numbers listed above.

The Esthetics Department (Taylorsville Redwood Campus, day and night) offers pedicures, manicures, facials, facial and leg waxing, and facial treatments. These services are offered at already very reduced rates, and there are consequently no discounts for SLCC employees for these services. Appointments are preferred, but walk-ins will be accommodated whenever possible. For an appointment and times of service, please call (801)957-4368.

Services are not available between semester or on test days. The high school programs are often open and available for services during college breaks. If you need an appointment at this time, please call the Jordan or Granite high school locations.

For a more complete listing of services and hours, please visit our website at www.slcc.edu/barberingcosmetology.

Center for Innovation & Professional Development

www.slcc.edu/innovation

The Center for Innovation promotes life-long learning and innovative thought and action through relevant, well-charted and transformational professional development for all Salt Lake Community College employees.

MILDRED SPARKS, DIRECTOR
FACULTY TEACHING & LEARNING CENTER
TAYLORSVILLE REDWOOD CAMPUS
(801) 957-5017
mildred.sparks@slcc.edu

CATHY CAREY, DIRECTOR
CENTER FOR INNOVATION
TAYLORSVILLE REDWOOD CAMPUS
(801) 957-4366
cathy.carey@slcc.edu

PROFESSIONAL DEVELOPMENT

- Administrative Assistant Learning Community
- Center Library
- Dave Ramsey 13-Week Financial Peace University
- Employee Innovation Grants
- Employee Training Transcript
- Get Motivated Seminar
- Innovation of the Year Contest
- Professional Development Day
- Professional Development Workshops
- RBH Online Supervisor Training Program
- SkillSoft Connect Workshops
- SkillSoft e-Learning
- SLCC Support Staff Conference
- Supervisor Base Camp
- Supervisor Summit Retreat
- Supervisor Toolkit
- Utah Women's Conference
- Weight Watchers On Campus Program

FACULTY TEACHING & LEARNING CENTER

- Adjunct Faculty Academy
- Adjunct Faculty Conference
- Digital Media Assistance
- Faculty Convention
- Faculty Dialogs
- FTLC Newsletter
- Let Your Life Speak Retreat
- Professional Development Day
- STARLINK Seminars
- Teaching and Learning Grants
- Teaching Circles
- Teaching Excellence Awards
- Teaching Squares
- Tutorials Workshops: FTLC 2000, SL 1000
- Webinars, Brown Bags, Panel Discussions

Credit Union

TAYLORSVILLE, (801) 545-7002
JORDAN, (801) 545-7004
ALL OTHER BRANCHES, (801) 325-6228
www.macu.com

Membership eligibility at Mountain America Credit Union is a benefit offered to all students, faculty, staff, and alumni of

Salt Lake Community College. Opening an account is easy! Simply bring your $25 deposit and valid Driver's License to any Mountain America Credit Union branch, located near most of the SLCC campuses throughout the valley. Mountain America Credit Union offers upgraded benefits to students, such as free checks, free VISA debit card, student loans, and an opportunity to establish good credit with "Credit Builder" programs. Students can securely access their accounts anytime through the credit union's web page at www.macu.com. With competitive rates and lower fees than other financial institutions, remember Mountain America Credit Union for auto loans, VISA credit cards, mortgage loans, retirement accounts, and Certificates of Deposit. Mountain America Credit Union is proud to be a partner of Salt Lake Community College.

Dental Hygiene Services

JORDAN CAMPUS, HIGH TECH CENTER, (801) 957-2710
www.slcc.edu/dentalhygiene

At SLCC students, faculty, and staff have access to dental services from one of the best Dental Hygiene programs in the Western United States. The SLCC Dental Hygiene program offers free and low cost dental services from their state-of-the-art, fully equipped dental hygiene clinic at the Jordan Campus. Services are performed by current students in the program, and include exams, radiographs, periodontal treatment, and cleaning.

Hours are variable, Monday through Friday. Call (801) 957-2710 for appointments or further information.

Distance Learning and Instructional Technology (DLIT)

(801) 957-4140
JORDAN CAMPUS, HTC-115
TAYLORSVILLE REDWOOD CAMPUS, TB 216
www.slcc.edu/online

For information about online courses, see SLCC ONLINE (page 62).

Distance Learning & Instructional Technology (DLIT) is a division of Salt Lake Community College committed to the advancement of teaching and learning through innovative instructional technologies and pedagogy.

DLIT offers services related to the following:

- Instructional Design & Media Services
  (all delivery methods, primarily online and hybrid)
  Taylorsville Redwood Campus, TB 216
  Jordan Campus, HTC 115
  (801) 957-6171
- Web/Video Conferencing
  Taylorsville Redwood Campus, TB 307
  (801) 957-3965
- Online Learning Application Support (Canvas)
  Taylorsville Redwood Campus, TB 216
  (801) 957-3963.
- Testing Services
  (801) 957-4407

  Taylorsville Redwood Campus, CT 070
  (801) 957-4406

  South City Campus N287
  (801) 957-3406

Support Services

Jordan Campus, HTC 115
(888) 963-7522 (SLCC)

Tayolorsville Redwood Campus, TB 216
(801) 957-4406

Electronic Classroom Support Center

TAYLORSVILLE REDWOOD CAMPUS
MARKOSIAN LIBRARY, LIB 028, (801) 957-5562
libweb.slcc.edu

The Electronic Classroom Support Center (ECSC) supports and maintains over 70 high-tech classrooms throughout the entire SLCC system. These Electronic Classrooms contain ceiling-mounted data projectors, wall-mounted projection screens, and various multimedia input devices such as VCR/DVD players, document cameras, laptop connections, and desktop computers. In addition to its support function, the ECSC is also responsible for coordinating the design and construction of new Electronic Classrooms, and the upgrading of technology in all existing high-tech classrooms.

The ECSC website contains pictures and descriptions of each Electronic Classroom. Faculty members can use this resource to help schedule classrooms that best meet the technology needs of their particular courses. Faculty members should also contact the ECSC directly to report any technical problems they may experience with the installed equipment in their Electronic Classrooms.

Faculty Association

The SLCC Faculty Association is a dues paying organization open to any member of the faculty; dues are currently $4.00/month. The purposes of the Faculty Association are to speak with a common voice for all faculty members, to promote professional excellence at the College, and to protect faculty rights. The Association meets once each month, and representatives from the Association meet regularly with representatives from the College Administration to discuss issues of importance to faculty. Some Faculty Association members also choose to be members of the national American Federation of Teachers, represented at SLCC by AFT/Utah local 4963, which is a union organization and separate from the Faculty Association.

The Faculty Organizations office is located in TB 325; the phone number is (801) 957-4695.

The Faculty Association website has more information regarding the role of the Faculty Association and benefits associated with membership.

Faculty Exchange Programs

TAYLORSVILLE REDWOOD CAMPUS, TB 325C, (801)957-4280

Salt Lake Community College conducts faculty exchange programs with several international partners, and encourages faculty to apply for other faculty exchanges with organizations such as the U.S. Government's Fulbright program. As opportunities arise, the Office of Faculty Services and Study Abroad issues calls for faculty applicants.

Faculty Teaching and Learning Center (FTLC)

TAYLORSVILLE REDWOOD CAMPUS, TB 324, (801) 957-4997
SOUTH CITY CAMPUS, W-140 (801) 957-3220
JORDAN CAMPUS, HTC 103, (801) 957-6231

MISSION STATEMENT

The Faculty Teaching and Learning Center (FTLC) addresses issues of teaching and learning. The FTLC supports faculty development in pedagogy. It serves all full-time and adjunct faculty from every campus, and is faculty led and driven. The FTLC responds to faculty-identified needs to enhance understanding and practice of quality teaching and learning.

GUIDING PHILOSOPHY

- A Faculty Teaching and Learning Center should respond first and foremost to needs of the faculty.
- Faculty (practicing teachers) are the teaching and learning experts at SLCC and should know best their teaching and learning needs.
- Teaching and learning are dynamic processes that never end. Thus, all who have responsibilities in the instructional program should be involved in learning about teaching and learning.
- Those who will be most affected by a decision should make or help make the decision.
- College-wide teaching and learning activities should be developed in collaboration with the FTLC.

Collaboration with all interested members of the College community is essential to the purpose of the FTLC. Collaboration means to work together toward a common goal and to make decisions by consensus.

SUPPORTING FACULTY INNOVATION

The FTLC is directly involved with the Faculty Teaching & Learning Grant (TLG). This grant cultivates innovative projects that result in new approaches to teaching and learning, and meaningful improvements in student learning. Faculty can apply for grants to support their involvement in Learning Communities, Technology in the Classroom, Diversity Courses, Internationalizing the Curriculum, or other kinds of pedagogical innovation. The application deadline for this year is January 20, 2012. (For more information, go to the Center for Innovation website: www.slcc.edu/innovation)

Professional Development Day, sponsored by the Center for Innovation, is another way the FTLC supports faculty innovation. Open to all faculty and staff, Professional Development Day inspires and motivates with a keynote speaker sharing ideas on student engagement. The FTLC works in conjunction with the Center for Innovation and Professional Development to provide teaching and learning pedagogy.

TEACHING CIRCLES

A Teaching Circle is a small group of four to ten faculty (Adjunct /Full-time) members meeting six to eight times per year to collaborate, to share good teaching and learning pedagogy. Circles can be discipline-specific or include faculty from different areas of the college. Some possible teaching and learning topics might include: Assessments, Active Learning Strategies, Classroom Assessment Techniques (CATs), Developing Rubrics, Classroom Management, Brain-based Learning, etc.
Teaching Circles approved by Faculty Teaching Learning Center (FTLC) will receive financial support and recognition. (To join a Teaching Circle or for more information, contact Taylorsville Redwood FTLC)

TEACHING SQUARES

The Teaching Squares program is designed to improve teaching skills and build community through classroom observation and shared reflection. Participants learn best practices from other faculty in order to improve their own teaching. (For additional information, contact Taylorsville Redwood FTLC)

ADJUNCT FACULTY ACADEMY

The Adjunct Faculty Academy (AFA) is a training program which enhances teaching and learning skills and offers support to adjunct faculty. The AFA requires a minimum of 25 hours online and face-to-face instruction.
New AFA cohorts are formed each academic year. Interested Adjunct faculty members submit an application to their Dean/ Chair for recommendation to the Academy. Applications are available the beginning of each academic year. A cohort of 25 adjunct faculty will be selected to participate in the Adjunct Faculty Academy. (For more information, contact Taylorsville Redwood FTLC)

FTLC 1000 / 2000

The Faculty Teaching Learning Center offers two Professional Development online courses:

- FLTC 1000: "Essentials of College Teaching" (Required course for all new SLCC faculty)
- FTLC 2000: "Fundamentals of Educational Philosophy" (Prerequisite: FTLC 1000)

FTLC 1000 challenges participants to think deeply about teaching and learning. In FTLC 2000 participants develop an educational philosophy, and learn course-design theories and teaching methods.
(For more information, contact Taylorsville Redwood FTLC)

FACULTY CONVENTION

The Faculty Convention celebrates the life-changing work performed by adjunct and full-time faculty. It is generally scheduled for the second Friday in April. The convention offers breakouts sessions, chances to meet and talk with fellow faculty, and opportunities to share teaching and learning strategies. (Contact Taylorsville Redwood FTLC for more information)

ADJUNCT FACULTY CONFERENCE

The Adjunct Faculty Conference is an information-packed conference held Fall Semester. The Conference supports and connects adjunct faculty with their full-time peers, and strengthens their teaching skills.

TEACHING EXCELLENCE AWARDS

The FTLC facilitates the Teaching Excellence Award process in collaboration with SLCC Foundation. *Teaching Excellence Awards* celebrate teaching excellence in SLCC classrooms. Full-time and adjunct faculty are eligible. All members of the College community including students, faculty members, staff and administration can make a nomination. Nominations are open during Fall Semester each academic year. (For information: **www.slcc.edu/innovation/FTLC**

COLLEGIAL CONVERSATIONS

The FTLC supports the President's Office each semester with Collegial Conversation to discuss teaching and learning pedagogy with peers. Previous topics were *"Positive Classroom Engagement" including "Student Code of Conduct & Faculty Policy."*

INDIVIDUAL FACULTY CONSULATION

Instructors interested in improving their teaching and learning pedagogy may request individual consultation with FTLC consultants. (To schedule an appointment, contact Taylorsville Redwood FLTC)

WORKSHOPS, WEBINARS AND BROWN BAGS

The FTLC offers workshops, webinars, and brown bag opportunities in conjunction with the Center for Innovation and Professional Development. Access the "Calendar" on the Center for Innovation website to view and register for upcoming events. (**www.slcc.edu/innovation/calendar**)
TouchStones: Reflection and Renewal (TR2) / "Let Your Life Speak" Retreat, based on the work of Parker Palmer, engages all employees in a meaningful reflective experience encouraging each individual to discover who they are. Each 2-day retreat requires a total commitment of time, energy, mind, and spirit. The retreat is available no cost to all full-time / adjunct faculty and all full-time / part-time staff.

FTLC DIALOGS – PANEL DISCUSSION WITH FACULTY, STAFF, AND ADMINISTRATORS

Once each semester, the FTLC sponsors FTLC Dialogs to address teaching and learning pedagogy. Dialogs are panel discussions where faculty, staff, and administrators discuss topics from multiple perspectives.
Previous topics included: Active Learning, ePortfolios, and Student Code of Conduct. A lively discussion surrounded the topic *"Wireless Devices in the Classroom"* including illegal use of wireless devices in the classroom, developing a policy regarding wireless devices in the classroom to include in the Student Code of Conduct, and how faculty can achieve a positive outcome when enforcing a policy on wireless devices in the classroom.

DIGITAL MEDIA ASSISTANCE

The FTLC provides assistance with recordings, digital service to faculty and staff. Services include assistance with video recording, sound recording, web and animation, and still photography (including head shots). (Contact Taylorsville Redwood FTLC for additional information)

FTLC EQUIPMENT AND FACILITIES

- Conference and workshop rooms are equipped with media projectors at Taylorsville Redwood, South, and Jordan campuses.
- Computer Labs and Faculty Lounge areas are available at Taylorsville Redwood, South, and Jordan FTLC offices.
- Books and videos on teaching and learning are available to check out.

FACULTY TEACHING AND LEARNING CENTERS ARE LOCATED AT:

- Taylorsville Redwood Campus, TB 324, (801) 957-4997
- South City Campus, W 124 (801) 957-3220
- Jordan Campus, HTC 103, (801) 957-6231

Health and Wellness Services

TAYLORSVILLE REDWOOD CAMPUS, SC035, (801) 957-4268
SOUTH CITY CAMPUS, W175, (801) 957-3323
JORDAN CAMPUS, JHS 011, (801) 957-6211
www.slcc.edu/hw

Health and Wellness Services exists to keep students healthy, in school, performing at their optimal ability, and prepared to pursue lifelong wellness. SLCC has a staff of health educators, social workers, massage therapists, and medical providers who can offer educational experiences, training, support and care to keep students well, and to help students overcome illnesses should they become sick.

Health and Wellness Services also serves faculty and staff for a minimal charge.

Contact Health and Wellness Services for additional information about specific services or visit www.slcc.edu/hw.

Instructional Testing Center (ITC)

TAYLORSVILLE REDWOOD CAMPUS, CT 070
(801) 957-4442
www.slcc.edu/online

SOUTH CITY CAMPUS, N287

The ITC is available to assist faculty in facilitating in-person testing for online coursework. The ITC has locations on multiple campuses and provides a friendly testing environment to ease the stress of test taking. We are open extended hours (day/evening) to accommodate the online student.

Make-up exams for classroom courses are available, but subject to room availability. Prior arrangements are required by the instructor.

All testing services require a minimum of two weeks notice to successfully facilitate testing activities.

Instructional Designers continue to be available to assist faculty in improving their assessment activities. Designers are available by appointment. See DLIT (page 71) for more information.

Services and Resources for Business and Community

Community Writing Center

LIBRARY SQUARE, 210 E. 400 S. SUITE 8
SALT LAKE CITY, (801) 957-4992
www.slcc.edu/cwc

Located in Library Square, the award-winning SLCC Community Writing Center (CWC) supports, motivates and educates people of all abilities and educational backgrounds who want to use writing for practical needs, civic engagement and personal expression. The CWC believes that "Everyone can write!" and provides four programs to the entire Salt Lake area community.

The CWC's Writing Coaching program is a free service which provides one-on-one assistance on any type of writing: resumes, letters, proposals, fiction, etc. Writers get helpful feedback and guidance from a supportive coach at the CWC, and at locations around the valley. The CWC offers low-cost Writing Workshops that are also available to local organizations, businesses, agencies and offices in the CWC's Writing Partners program. Writing Partners collaborate with the CWC to increase their organization's self-sufficiency in all matters writing-related.

Finally, the CWC's DiverseCity Writing Series is a city-wide writing group and publishing program. Some writing groups are open to the public; others are for members of partner organizations. Writing groups focus on all kinds of writing: poetry, memoir, essays, fiction, etc.

The CWC also has volunteer opportunities for community members and for service-learning students. Contact the CWC for more information.

Miller Business Resource Center

MILLER CAMPUS
9750 SOUTH 300 WEST
SANDY, UTAH
(801) 957-5579
www.mbrcslcc.com

RANDY N. SCHOUTEN, DIVISION CHAIR
(801) 957-5259
randy.schouten@slcc.edu

The Miller Business Resource Center (MBRC) at Salt Lake Community College provides mentoring and support for prospective, new and established businesses. The MBRC is committed to the critical elements of business success, training, mentoring, developing access to capital, and business incubation and acceleration. Whether you are just starting up or already an established company, the MBRC offers a wide range of services to meet your needs. Six distinct and integrated programs provide learning opportunities designed to enhance the success of Utah small business owners and entrepreneurs:

- Corporate Solutions
- Global Business Center
- Salt Lake Small Business Development Center
- Miller Business Innovation Center
- Women's Business Institute
- Miller Campus Events and Conferencing

CORPORATE SOLUTIONS (WORKFORCE SKILLS DEVELOPMENT)

DIRECTOR MARK POOLE
(801) 957-5274
www.slcc.edu/mbrc/corporatesolutions

Corporate Solutions at Salt Lake Community College can help you build knowledge and abilities to further your employees' value and your company's bottom-line performance. Our training options focus on your specific needs, whether that is workforce assessment, job retention or skill building. Our flexible approach to learning can help you create training strategies and content that matches your business environment at an affordable cost.

We also administer the Custom Fit and Short Term Intensive Training (STIT) programs that may help offset the cost of training for current or potential workforce needs.

Our services include:

- Consultation and customized training development
- Job profiling
- Basic work skills assessment (WorkKeys®) and training
- ACT training and testing for professional certifications
- Computer-aided design applications training (AutoCAD, Solidworks)
- Global Corporate College - services and training for companies with a national or international presence

Our current training programs include:

- AutoCAD/Solidworks
- Business Writing for Managers - (ongoing)
- CDL Certification
- Composites Technician
- Development Dimensions International (DDI) workshops
- English as a Second Language
- National Career Readiness Certificate
- Leadership and Management
- Lean Six Sigma
- Safety Inspection and Emissions Testing
- Welding
- Workplace Skills and Advancement
  - CASTLE Worldwide Certification
  - Certiport Microsoft Certification
- Mastering Police Report Writing

Corporate Solutions offers free consultation and assessment to help you determine your training needs today! Visit us on the web at mbrcslcc.com/corporatesolutions.

GLOBAL BUSINESS CENTER

DIRECTOR STAN REES
(801) 957-5336
www.mbrcslcc.com/global

The Global Business Center objective is to help Utah companies take advantage of the large world marketplace. Services include global trade education, export readiness assessment, best market analysis, market research assistance, assistance with developing of an export strategy, international business briefings and workshops, an International Business Incubator program, networking events and hosting visiting trade delegations.

The Global Business Center offers the Executive Certificate of Global Business Management for professionals who want to increase their knowledge of international business strategy. The certificate program consists of 10 classes and 30 hours of classroom instruction.

The Global Business Center also offers an online course in international trade logistics: Shipping Your Products Overseas. This online course takes approximately 6-8 hours to complete and is designed to train marketing and shipping personnel on effective methods for shipping products overseas.

MILLER BUSINESS INNOVATION CENTER

TOM VOLLBRECHT- ENTREPRENEUR IN RESIDENCE
(801) 957-5443
www.mbrcslcc.com/mbic

The Miller Business Innovation Center provides a physical infrastructure which helps emerging businesses grow to sustainability. The MBIC admits companies who have innovative business models, high growth strategies, and the potential for job creation. Admitted companies receive:

- Below market cost for office rental
- IT and telecommunication services through Salt Lake Community College
- Mentoring and coaching program
- Access to funding streams
- No-cost meeting rooms

VIRTUAL INCUBATOR

A business resource that can help create a virtual presence for businesses in or outside of the Salt Lake Valley.

Virtual Service Offerings:

- Prestigious office address
- Send and receive mail
- Use of office meeting rooms, training and conference rooms, and on-site desks
- On-site cafeteria

Virtual Business Services Include:

- Permanent business phone number
- Multiple phone extensions
- Free unlimited US phone calling
- Voice mail to email
- Follow-me phone technology
- Phone conferencing
- Web conferencing
- EFax
- Networking Opportunities
- Access to the Miller Business Resource Center Preferred Partners
- Offsite data storage
- Live phone attendant
- Internet-based Microsoft Office package

Service packages are available for a minimal fee. Contact Miller Business Innovation Center for more information.

SALT LAKE REGION SMALL BUSINESS DEVELOPMENT CENTER (SLSBDC)

DIRECTOR, CARLOS LINARES
801-957-5279
www.mbrcslcc.com/slsbdc

Salt Lake Community College houses the Salt Lake Region Small Business Development Center to help companies create a viable and sustainable business by offering comprehensive courses and pro-bono consulting services. Programs at the Center will set your company on the path to independence and profitability:

- Mentoring and coaching
- Business & advisory services
- Market research assistance
- Startup & managerial training and workshops
- Network of business and community contacts
- Assistance with SBA loan application

WOMEN'S BUSINESS INSTITUTE

DIRECTOR ANN MACKIN
(801) 957-5241
ann.mackin@slcc.edu
www.mbrcslcc.com/wbi

SERVICES WE PROVIDE

- One-on-one counseling for new businesses
- Counseling for existing businesses
- Entrepreneurial mentoring & coaching
- Market research assistance
- Incubation & acceleration services
- Start-up training and workshops
- Networking events
- Entrepreneurial curriculum
- Training for "Certified Women-Owned" businesses
- International community marketing through our student-run company

The Women's Business Institute (WBI) provides comprehensive services for those looking to start or grow their business. We specialize in being a safe, comfortable space for women entrepreneurs to find the help they need to allow their ideas to grow into profitable business ventures.

Our services are low cost or no cost, as we seek to help every woman looking to start or further her business. It doesn't matter if you are looking to create a new bistro to bring some new flavor to your community or if you're looking to use the internet to start a home business selling your exclusive items, we've got the tools to help you attain the success you want.

THE EDUCATION YOU NEED

- Smart Start orientation workshop
- How to Grow Your Business course
- How to Use Internet Marketing course
- How to Find New Customers course
- QuickBooks course
- Manufacturing assistance
- Import/export and international assistance
- Federal and state procurement contracts
- How to access money
- Financial resources to grow your business
- Social Commerce Exchange seminar

There's a lot to starting a business and keeping it afloat in the current economic climate. The WBI is here to help you learn the skills you need to launch your business and make it a success.

With the classes offered at the WBI you can acquire the tools you need to best further your business, or start a new one. If you are a start-up venture, or an established business looking for new strategies and information, we can help you find what you need to make your businesses thrive, making the difference between success and simply survival in today's business world.

Miller Campus Conferencing and Facility Rental

DIRECTOR KENT HILTON
(801) 957-5222
FACILITY RENTAL RACHELLE BROUGH, (801) 957-5294
mbrcslcc.com/conferencing

The Miller Campus is a convenient and inexpensive alternative meeting facility located just 20 minutes from downtown Salt Lake City. This beautiful south valley location is perfect for business, educational and private events. You will find over 21,000 sq ft of high tech meeting space with free parking. This is an ideal event venue for full-service trade shows, corporate trainings, conventions, meetings, video conferencing and banquets.

MILLER PROFESSIONAL DEVELOPMENT CENTER (MPDC)

- Multi-Purpose Rooms
- Computer Labs
- Classroom Rental Space
- Miller Campus Business Offices
- Conferencing Office - Sales & Marketing

KAREN GAIL MILLER CONFERENCE CENTER (KGMC)

- Flexible Setups Available
- Banquet Rooms
- Conference Space for 500 People
- Outdoor Patio
- Vendor Hall

MILLER FREE ENTERPRISE CENTER (MFEC)

- Spacious Auditorium for 300 People
- Video Recording Capability
- Vendor Hall
- Showroom
- CEO and Corporate Training Rooms

Thayne Center For Service & Learning

TAYLORSVILLE REDWOOD CAMPUS, STC 020
(801) 957-4555
www.slcc.edu/thaynecenter

FACEBOOK THAYNE CENTER SLCC
TWITTER @THAYNECENTER
YOUTUBE THAYNE CENTER SLCC
BLOG SLCCTHAYNECENTER.BLOGSPOT.COM

The Thayne Center to empowers students and faculty with the knowledge and skills to affect positive change in our community. The mission of the Thayne Center is to establish capacity-building relationships with community organizations, facilitate service-learning development opportunities for faculty, and coordinate service leadership programs for students who are out to change the world.

SLCC students may participate in programs such as Alternative Spring Break, America Reads Community Work-study, SLICE: Student Leaders in Civic Engagement, the Civically-Engaged Scholar Program, or volunteer at local nonprofit organizations.

Students may also enroll in service-learning classes, which combine community service with academic instruction. Service-learning focuses on critical, reflective thinking, as well as personal and civic responsibility. The Thayne Center's service-learning program cultivates community partnerships, facilitates course development, and supports faculty who engage students and our community in this innovative pedagogy.

CIVICALLY-ENGAGED SCHOLAR PROGRAM

Students who wish to challenge themselves beyond the classroom experience may become Civically-Engaged Scholars. Scholars enroll in a specific track based on their interests and areas of study. The program requires volunteer service as well as service-learning coursework, a two-credit foundation course, and a capstone project combining academic goals with community interests. Upon completion of the program, students receive special recognition at Commencement and the Civically-Engaged Scholar distinction is noted on their transcripts. This program transfers directly to the University of Utah's Service-Learning Scholar Program.

The Grand Theatre

SOUTH CITY CAMPUS, (801) 957-3322
www.the-grand.org

The Grand Theatre hosts a full season of productions, featuring Broadway musicals with live orchestras, classic plays, and regional premiers of new works. All of our productions use local, critically acclaimed talent. The theatre maintains the original 1938 architecture of the building, with main floor seating that accommodates over 800 seats and a balcony with another 300 seats. The Grand Theatre Community Institute, the outreach component of the Grand Theatre, develops programs and partnerships with organizations that explore and celebrate our community's emerging diversity, through the performing arts and the humanities. Operating within a unique partnership with Salt Lake Community College, we work with faculty, where possible,

to integrate programming in their course curricula. We are dedicated to teaching, performing, presenting and viewing the performing arts in a state-of-the-art venue.

Each year, the Grand Theatre stages five of its own productions, providing students and community members with practical training and opportunities to showcase their collective talents. Shows are cast through the audition process. Recent productions include The Wizard of Oz, and The Crucible, and each production brings opportunities to perform, create and promote theater. Complementing the Grand's programming are presentations by local, national and international artists sponsored in most part by the Arts & Cultural Events Committee and Student Life and Leadership. SLCC student dance concerts, choral groups, and orchestras also present their performances on the stage of the Grand Theatre. The theater is located at the South City Campus. As the Center For New Media nears completion at this campus, the mission of the Grand Theatre will expand to accommodate the added academic opportunities on this campus.

Consistent with the SLCC philosophy of providing educational opportunities with a career connection, the Grand Theatre offers students practical experience through creative and productive opportunities both on stage and within the production staff. The events and activities sponsored by the Grand Theatre are intended to provide maximum performance opportunities for students, staff and residents of Salt Lake City and the surrounding regions. All of our programming is designed to offer high-caliber stage presentations in a college environment at a reasonable cost to theater patrons.

With its accessible location, connection to SLCC, and innovative programming, the Grand Theatre has become an anchor to the artistic community and remains one of the most accessible community theaters in the Western United States.

Utah Small Business Development Center

CONTACT: STATE DIRECTOR SHERM WILKINSON, (801) 957-5384

www.slcc.edu/utahsbdc

www.utahsbdc.org

The Utah Small Business Development Center (USBDC) facilitates a network of centers throughout the state in a variety of rural and urban communities. Eleven service centers and four satellite locations provide high quality business consulting and training for existing businesses and entrepreneurs who want to start a business. The Salt Lake SBDC and the lead center are located at the Miller Campus at Salt Lake Community College. The USBDC network is hosted by Salt Lake Community College and funded by the U.S. Small Business Administration (SBA), The Governor's Office of Economic Development (GOED), and eight colleges and universities throughout Utah.

The USBDC specializes in consulting and training services for qualifying small businesses. The Utah SBDC also offers a wealth of small business related resources including market research, referrals to specialized partners, and valuable networking opportunities.

Definitions:

AA - Associate of Arts: Two-year transfer degree with general education and premajor coursework
AS - Associate of Science: Two-year transfer degree with general education and premajor coursework
APE - Associate of Pre-Engineering: Two-year transfer degree with general education and premajor coursework
AAS - Associate of Applied Science: Two-year degree leading to employment or continued study
DI - Diploma: A program between one and two years in length leading to employment or continued study
CC - Certificate of Completion: One-year program leading to employment or continued study
CP - Certificate of Proficiency: Short-term (approximately one semester) program focused on specific skills
CA - Certificate of Achievement: Short-term program ending in a certificate issued by the department only
**For additional information, see the "Degrees & General Education Requirements" section of the catalog*

Other abbreviations:
SAT - School of Applied Technology
CE - Continuing Education

NOTE: Click on program name for a full program description.

Program Name	Transfer Degrees			AAS	Diploma	Certificate of Completion	Certificate of Proficiency	Certificate of Achievement
	AA	AS	APE					
Accounting								
Accounting *(AAS)*				68 cr				
Accounting *(CC)*						30 cr		
Aerospace/Aviation Technology								
Aerospace/Aviation Technology *(AS)*		67 cr						
Aviation Administration Track *(AS)*		x						
Dispatch Track *(AS)*		x						
Fixed-Wing Track *(AS)*		x						
Rotor-Wing Track *(AS)*		x						
Aerospace/Aviation Technology - Professional Pilot, Fixed Wing *(AAS)*				64 cr				
Aerospace/Aviation Technology - Professional Pilot, Rotor Wing *(AAS)*				64 cr				
Aviation Maintenance Technician *(AAS)*				88 cr				
Aviation Business Operations - Fixed Wing *(CC)*						36 cr		
Aviation Business Operations - Rotor Wing *(CC)*						36 cr		
Aviation Dispatch Certification *(CC)*						37-39 cr		
Commercial Fixed Wing *(CC)*						38 cr		
Commercial Rotor Wing *(CC)*						39 cr		
American Sign Language								
American Sign Language *(AA)*	63 cr							
American Sign Language/English Interpreting *(AAS)*				70 cr				
Anthropology								
Anthropology *(AA)*	63 cr							
Anthropology *(AS)*		61 cr						

Program Name	Transfer Degrees			AAS	Diploma	Certificate of Completion	Certificate of Proficiency	Certificate of Achievement
	AA	AS	APE					
Apprenticeship								
Appr. Brick Mason Technology *(AAS, CP)*				63 cr				30 cr
Appr. Carpentry Independent Technology *(AAS, CP)*				63 cr				40 cr
Appr. Carpentry JATC Technology *(AAS, CP)*				63 cr				40 cr
Appr. Cement Mason Independent Technology *(CP)*								20 cr
Appr. Cement Mason JATC Technology *(AAS, CP)*				63 cr				30 cr
Appr. Construction Craft Laborer Technology *(CP)*								20 cr
Appr. Diesel Systems Technology *(AAS, CP)*				63 cr				36 cr
Appr. Electrical Independent Technology *(AAS, CP)*				63 cr				40 cr
Appr. Facilities Maintenance Technology *(AAS, CP)*				63 cr				30 cr
Appr. Heating, Cooling, and Refrigeration Technology *(AAS, CP)*				63 cr				40 cr
Appr. Heavy Civil Carpenter Technology *(CP)*								20 cr
Appr. Ironworkers JATC Technology *(AAS, CP)*				63 cr				30 cr
Appr. Landscape Technology *(AAS, CP)*				63 cr				40 cr
Appr. Plumbing Independent Technology *(AAS, CP)*				63 cr				40 cr
Appr. Plumber/Pipefitter JATC Technology *(AAS, CP)*				63 cr				40 cr
Appr. Refrigeration JATC Technology *(AAS, CP)*				63 cr				40 cr
Appr. Stagehand JATC Technology *(AAS, CP)*				63 cr				30 cr
Appr. Welding Technology *(AAS, CP)*				63 cr				30 cr
Architecture								
Architecture *(AS)*		60 cr						
Architecture - Construction Management *(AS)*		64 cr						
Architectural Technology *(AAS)*				67 cr				
Architectural Technology - CAD/BIM Emphasis *(AAS)*				66 cr				
Automotive and Related Technologies								
Automotive Collision Repair and Refinishing *(AAS)*				64 cr				
Automotive Collision Repair *(CC)*						32 cr		
Automotive Refinishing *(CC)*						34 cr		
Automotive Technician *(AAS)*				68 cr				
Motorcycle and Outdoor Power Equipment Technology *(CP)*							24 cr	
Barbering/Cosmetology								
Barbering/Cosmetology *(AAS)*				63 cr				
Barbering/Cosmetology *(CC)*						53 cr		
Barbering *(CP)*							28.5 cr	
Basic Skills Development & Learning Centers (SAT)								
Adult Basic Education -- Reading/Writing/Math (SAT)								

Program Name	Transfer Degrees			AAS	Diploma	Certificate of Completion	Certificate of Proficiency	Certificate of Achievement
	AA	AS	APE					
Armed Services Vocational Aptitude Battery (ASVAB)Test Preparation (SAT)								
Computer Learning Center (SAT)								
ESL Levels 1-3 (SAT)								
GED Test Preparation (SAT)								
Biology *(AS)*		64 cr						
Biomanufacturing								
Biomanufacturing *(AAS)*				65 cr				
Biomanufacturing *(CC)*						30 cr		
Biomanufacturing *(DI)*					47 cr			
Biotechnology								
Biotechnology *(AS)*		60 cr						
Biotechnology *(AAS)*				64 cr				
Business								
Business *(AA)*	64 cr							
Business *(AS)*		62 cr						
Business Management *(AAS)*				65 cr				
BMGT - Production Operations and Supply Chain Management Emphasis *(AAS)*				64 cr				
BMGT - Small Business Ownership Emphasis *(AAS)*				66 cr				
Business Management *(CC)*						33 cr		
Retail Management *(CC)*						30-31 cr		
Retail Management *(CA)*								9 cr
Business Office Technology (SAT)								
Accounting Clerk (SAT)							809 hrs	
Administrative Office Specialist (SAT)							665 hrs	
Customer Service/Receptionist (SAT)							290 hrs	
Chemistry *(AS)*		66 cr						
Chemistry/Physical Science *(AS)*		64 cr						
Communication								
Mass Communication *(AS)*		63 cr						
M. Comm, Journalism Track *(AS)*		x						
M. Comm, Mass Communication Studies Track *(AS)*		x						
M. Comm, Media & Communication Technology Track *(AS)*		x						
M. Comm, TV/Video Production Track *(AS)*		x						
Speech Communication *(AS)*		63 cr						
Video/Radio Production *(AAS)*				66 cr				

Program Name	Transfer Degrees			AAS	Diploma	Certificate of Completion	Certificate of Proficiency	Certificate of Achievement
	AA	AS	APE					
Computer and Network Technology (SAT)								
Computer Support Specialist -- A+ Certification (SAT)							615 hrs	
Network Administrator -- MCITP:SA (SAT)							645 hrs	
Network Engineer (SAT)							855 hrs	
Network Infrastructure Technician -- CCNA (SAT)							825 hrs	
Computer Information Systems								
Business and Personal Computing *(CC)*						33 cr		
Computer Information Systems *(AS)*		62 cr						
CIS - Computer Programming/Design Emphasis *(AAS)*				66 cr				
CIS - Database Design, Mgmt and Admin Emphasis *(AAS)*				63 cr				
CIS - Web Programming and Development Emphasis *(AAS)*				63 cr				
Mobile Application Development *(CP)*							18 cr	
Computer Science								
Computer Science *(AS)*		65 cr						
Network Systems *(AAS)*				69 cr				
Construction Management & Sustainable Building								
Construction Management *(AS)*		64 cr						
Construction Management & Sustainable Building *(AAS)*				63 cr				
Cabinetmaking & Furniture Construction *(CC)*						31 cr		
Sustainable Building Construction *(CC)*						33 cr		
Continuing Education (all programs)								
Accelerated Business (CE)	62 cr							
Computer Workshops (CE)								
Continuing Professional Development (CE)								
Diagnostic Medical Sonography (CE)								52 cr
Digital Media (CE)								
Ed2Go Internet Courses (CE)								
Electric Power Technology (CE)							735 hrs	
Lineworker Apprenticeship (CE)							600 hrs	
Meter Apprenticeship (CE)							600 hrs	
Substation Apprenticeship (CE)							600 hrs	
Encore Institute (CE)								
Energy Management (CE)				67 cr				
Event and Meeting Planner (CE)								x
Genealogy (CE)								18 cr

Program Name	Transfer Degrees			AAS	Diploma	Certificate of Completion	Certificate of Proficiency	Certificate of Achievement
	AA	AS	APE					
Green Academy (CE)								
Group Fitness Instructor (CE)								x
Health & Wellness (CE)								x
Health Information Technology (CE)								x
Library and Information Science (CE)								x
Notary Public Training (CE)								
Paralegal Studies (CE)				64 cr				
Pharmacy Technician (CE)								x
Photovoltaic Systems (CE)								135 hrs
Retail Management (CE)								x
ROTC - Reserve Officer Training Corp (CE)								
Sustainability (CE)								24 cr
Transition to Teaching (CE)								
Travel Planner (CE)								x
Criminal Justice								
Criminal Justice *(AS)*		64 cr						
Criminal Justice *(AAS)*				69 cr				
Culinary Arts *(AAS)*				64 cr				
Dental Hygiene *(AAS)*				90 cr				
Developmental Education (all programs)								
Developmental Math								
Developmental Reading								
Developmental Writing								
Learning Enhancement								
English as a Second Language -- Level 4								
Diesel Systems Technology *(AAS)*				66 cr				
Economics *(AS)*		63 cr						
Education *(AS)*		64 cr						
Electronics Technology (SAT)								
Electromechanical Assembly Technician (SAT)							365 hrs	
Electronics Assembly Technician (SAT)							195 hrs	
Electronics Communications Technician (SAT)						1305 hrs		
Electronics Engineering Technician (SAT)						1209 hrs		
Electronics Technician (SAT)						1165 hrs		
Energy Management *(AAS)*				67 cr				
Engineering								
Chemical Engineering *(APE)*			71 cr					

Program Name	Transfer Degrees			AAS	Diploma	Certificate of Completion	Certificate of Proficiency	Certificate of Achievement
	AA	AS	APE					
Civil/Environmental Engineering *(APE)*			71.5 cr					
Computer Engineering *(APE)*			69 cr					
Electrical Engineering *(APE)*			72 cr					
Manufacturing Engineering *(APE)*			65 cr					
Materials Science Engineering *(APE)*			74 cr					
Mechanical Engineering *(APE)*			73 cr					
Engineering Drafting and Manufacturing Technology								
Engineering Design / Drafting Technology *(AS)*		64 cr						
Engineering Design / Drafting Technology *(AAS)*				63 cr				
Engineering Drafting and Manufacturing Technology *(CC)*						30 cr		
Machining CNC/CAM Technology *(CC)*						30-32 cr		
Manufacturing Engineering Technology *(AS)*		62-65 cr						
Mechanical Engineering Technology *(AS)*		60 cr						
English								
English *(AA)*	63 cr							
English *(AS)*		61 cr						
Writing *(CC)*						33 cr		
Environmental Geology *(AS)*		63 cr						
Family and Human Studies								
Family and Human Studies *(AS)*		63 cr						
Family and Human Studies *(AAS)*				64 cr				
Family and Human Studies *(CC)*						36 cr		
Child Development Associate Credential *(CA)*								10 cr
Fashion Design & Merchandising								
Fashion Design & Merchandising - Fashion Design Emphasis *(AAS)*				69 cr				
Fashion Design & Merchandising - Fashion Merchandising Emphasis *(AAS)*				66 cr				
Fashion Design & Merchandising - Technical Apparel Emphasis *(AAS)*				63 cr				
Film Production Technician *(AAS)*				69 cr				
Finance and Credit								
Finance and Credit *(AAS)*				65 cr				
Finance and Credit *(CC)*						34 cr		
General Studies *(AS)*		61 cr						
Geographic Information Science (GIS)								
Geographic Information Science Technology/GIS *(AAS)*				65 cr				
Geographic Information Science Technology/GIS *(CC)*						30 cr		
Geography *(AS)*		63 cr						

Program Name	Transfer Degrees			AAS	Diploma	Certificate of Completion	Certificate of Proficiency	Certificate of Achievement
	AA	AS	APE					
Geomatics *(AAS)*				69 cr				
Health and Lifetime Activities								
Fitness Technician *(AAS)*				64 cr				
Health Care Technology (SAT)								
Certified Nursing Assistant (SAT)							122 hrs	
Clinical Lab Assistant (SAT)							345 hrs	
Clinical Medical Assisting (SAT)						950 hrs		
Health Information Specialist (SAT)							645 hrs	
Health Unit Clerk/Coordinator (SAT)							203 hrs	
Medical Coding & Billing (SAT)							813 hrs	
Medical Office Administration (SAT)						910 hrs		
Phlebotomy Technician (SAT)							285 hrs	
Health Information Technology *(CC)*						39-40 cr		
Health Sciences *(AS)*		61 cr						
Biotechnology Option *(AS)*		x						
Dental Hygiene Option *(AS)*		x						
Occupational Therapy Option *(AS)*		x						
Mortuary Science Option *(AS)*		x						
Physical Therapy Option *(AS)*		x						
Radiologic Technology Option *(AS)*		x						
Registered Nursing Option *(AS)*		x						
History *(AA)*	62 cr							
Humanities *(AA)*	61 cr							
Institute of Public Safety (IPS)								
Bail Enforcement Agent Training (IPS)								16 hrs
Emergency Medical Technician Training (IPS)								160 hrs
EMT Re-Certification Training (IPS)								25 hrs
Motorcycle Rider Education (IPS)								
Peace Officer Basic Training (IPS)								396 hrs
Special Function/Reserve Officer Training (IPS)								200 hrs
Interior Design								
Interior Design *(AAS)*				69 cr				
Interior Design *(CP)*							29 cr	
Language and Culture -- *Arabic, Chinese, French, German, International Culture, Italian, Japanese, Navajo, Portuguese, Russian, Samoan, Spanish, and Tongan*								

Program Name	Transfer Degrees			AAS	Diploma	Certificate of Completion	Certificate of Proficiency	Certificate of Achievement
	AA	AS	APE					
Manufacturing Technology (SAT)								
Manual Machinist (SAT)							450 hrs	
Welding (SAT)						1140 hrs		
Marketing Management								
Marketing Management *(AAS)*				67 cr				
Marketing Management *(CC)*						37 cr		
Mathematics *(AS)*		63 cr						
Media and Web Design Technology (SAT)								
Graphic Designer (SAT)							645 hrs	
Media Design Technology (SAT)						1275 hrs		
Web Programmer (SAT)							675 hrs	
Web Site Designer (SAT)							675 hrs	
Medical Assistant *(CC)*						49 cr		
Mortuary Science *(AAS)*				66 cr				
Music								
Media Music *(AAS)*				66 cr				
MIDI *(CP)*							19 cr	
Music *(AS)*		61 cr						
Music Recording Technology *(AAS)*				63 cr				
Music Recording Technology *(CP)*							24 cr	
Non-Destructive Testing Technology *(AAS)*				64 cr				
Nursing *(AAS)*				72 cr				
Occupational Therapy Assistant *(AAS)*				74 cr				
Paraeducation								
Paraeducation *(AS)*		63 cr						
Paraeducation *(CP)*							18 cr	
Paralegal Studies *(AAS)*				64 cr				
Performing Arts -- *Dance, Film, Music Theatre*								
Physical Therapist Assistant *(AAS)*				70 cr				
Physics *(AS)*		65 cr						
Political Science *(AS)*		61 cr						
Pre-Professional (all programs)								
Pre-Chiropractic								
Pre-Dentistry/Pre-Medicine								
Pre-Law								
Pre-Occupational Therapy								
Pre-Pharmacy								

Program Name	Transfer Degrees			AAS	Diploma	Certificate of Completion	Certificate of Proficiency	Certificate of Achievement
	AA	AS	APE					
Pre-Physical Therapy								
Pre-Veterinary Science								
Professional Truck Driving CDL (SAT)							240 hrs	
Psychology *(AS)*		61 cr						
Radiologic Technology *(AAS)*				75 cr				
SAT - School of Applied Technology (all programs)								
Skilled Service Technology (SAT)								
Air Conditioning/Heating/Refrigeration (SAT)						960 hrs		
Heavy Duty Diesel Maintenance Technician (SAT)							525 hrs	
Social Work								
Social Work *(AA)*	65 cr							
Social Work *(AS)*		63 cr						
Sociology *(AS)*		61 cr						
Surgical Technology *(CC)*						32 cr		
Visual Art and Design								
Creative Arts Entrepreneurship *(CP)*							18-20 cr	
Electronic Publishing *(CC)*						33 cr		
Mobile Publishing *(CC)*						32 cr		
Motion Graphics and Visual Effects *(CP)*							28-29 cr	
Visual Art and Design - Animation Emphasis *(AS)*		63 cr						
Visual Art and Design - Animation Emphasis *(AAS)*				65-69 cr				
Visual Art and Design - Design Emphasis *(AAS)*				69 cr				
Visual Art and Design - Illustration Emphasis *(AAS)*				68 cr				
Visual Art and Design - Multimedia Emphasis *(AAS)*				69 cr				
Visual Art and Design - Photography Emphasis *(AAS)*				65 cr				
Visual Art and Design - Web Design Emphasis *(AAS)*				69 cr				
Web Graphic Design *(CP)*							27 cr	
Welding Fabrication and Inspection *(AAS)*				67 cr				

ACCOUNTING – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 68 credits minimum

Accounting, Finance and Economics Division
Taylorsville Redwood Campus, BB 105
General Information, (801) 957-4073
Program Information, (801) 957-4235
http://www.slcc.edu/accounting
Academic Advisor: Devan Church, BB 209A, (801) 957-4286
For Appointment Call: (801) 957-4990 or (801) 957-4978

Program Faculty:
Professors – Lynnette Yerbury
Associate Professors – Dave Alldredge, Jaydene Love, Shauna Hatfield, Paige Paulsen
Assistant Professors – Robert Burdette

Program Description: Accounting is the process that summarizes economic information about a business entity for use by decision makers. Users of this information include investors, creditors, management and government agencies. Often this information is prepared using computer applications. The Accounting program at SLCC provides training in many types of accounting; such as financial, managerial, cost, individual taxation and governmental. Students are taught both manual and basic computerized accounting systems. General Education courses provide training in effective oral and written communication and human relations skills. Students may earn a Certificate in Accounting (33 credit hours required) or may continue on to complete the Associate of Applied Science degree (68 credit hours required), leading to employment in areas such as accounts receivable, accounts payable, general ledger, and payroll.

Students who are interested in pursuing courses leading to a Bachelor's Degree in Accounting should follow the courses listed in the Business Associate of Science or the Business Associate of Arts Degree listed elsewhere in this catalog.

Career Opportunities: This program provides excellent entry to mid-level skills for various positions in the field of accounting, depending on the individual person.

Transfer/Articulation Information: This is a 2-year terminal degree. Several courses are transferable to other institutions. Students should check with the receiving institution to determine credit transferability.

Total Program/Course Fees: Individual courses may have course/lab fees; see semester class schedule.

Estimated Cost for Students: Varies with course selection and credit hours.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Specialized Accreditation: The Accounting program is accredited by the ACCREDITATION COUNCIL FOR BUSINESS SCHOOLS & PROGRAMS (ACBSP). This accreditation represents the achievement of meeting the high national standards established for associate degree-granting business programs.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1.1 Comply with Generally Accepted Accounting Principles	1 – Substantive Knowledge
1.2 Perform the steps of the accounting cycle.	
1.3 Perform financial statement analysis.	
1.4 Utilize accounting information for decision making.	
1.5 Proficiently use technology.	
2.1 Communicate effectively in writing.	2 – Communicate Effectively
2.2 Communicate effectively numerically.	
3.1 Choose and perform appropriate financial calculations.	3 – Develop Quantitative Literacy
3.2 Solve time value of money problems.	
4.1 Extract relevant data from complex information, process it appropriately, and draw reasonable conclusions.	4 – Think Critically

5.1	Understand the ethical considerations inherently involved in Financial Reporting.	5 – Civic Engagement and/or Working Professionally
5.2	Understand the ethical considerations inherently involved in Federal Income Tax reporting.	

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
FIN 1380	Financial Math	3	A	MATH 0990 or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
BUS 2200	Business Communication	3	A	ENGL 1010 w/C grade or better

HUMAN RELATIONS (HR) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
MKTG 1960	Professionalism in Bus	3	A	

DISTRIBUTION AREAS: (6 CREDITS)

Choose an additional six credits from at least two of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3
Biological Science (BS)	3-4

NOTE: BUS 1050 and FIN 1050 cannot be taken as Interdisciplinary (ID).

REQUIRED COURSES: (38 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ACCT 1110	Financial Accounting	3	A	
ACCT 1120	Financial Acct II	3	A	ACCT 1110
ACCT 1280	Acct Info Systems I	3	A	ACCT 1110 & CIS 2410 or concurrently
ACCT 2020	Managerial Accounting	3	A	ACCT 1110 or ACCT 2010 AND CIS 1020 or challenge exam
ACCT 2310	Intermed Accounting I	4	F, Sp	ACCT 1120
ACCT 2410	Intermed Accounting II	4	F, Sp	ACCT 2310
ACCT 2510	Acct Info Systems II	3	F, Sp	ACCT 1280
ACCT 2540	Accounting in Practice	3	Sp	ACCT 2410 or concurrently
CIS 2410	Adv Spreadsheet App	3	A	CIS 1020 or challenge exam
ECON 2020	Macroeconomics	3	A	
FIN 2210	Credit and Collections	3	A	
MGT 2050	Legal Environ Business	3	A	BUS 1050, see business advisor

ACCOUNTING ELECTIVE COURSES: (SELECT 8 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
ACCT 2000	Accounting Co-Op	2-4	TBA	2 semesters of Accounting program
ACCT 2050	Governmental Acct	3	F, Sp	ACCT 1110
ACCT 2520	Federal Income Tax	3	F, Sp	ACCT 1120 or ACCT 2010
ACCT 2530	Cost Accounting	3	Sp,Su	ACCT 2020
ACCT 2910	STUDENTfacturED	3	A	ACCT 1110, 1120 & 2020 and instructor approval; **or** ACCT & 2020 and instructor approval

ACCT 2990	Current Topic Accounting	1-3	TBA	Variable on topic

BUSINESS ELECTIVE COURSES: (SELECT 5 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
BUS 1050	Foundations of Bus	3	A	
FIN 1050	Personal Finance	3	A	
FIN 2040	Financial Management	3	Sp	ACCT 2020
MGT 1600	Management Essentials	3	A	
MKTG 1010	Customer Service	2	A	
MKTG 1030	Intro Marketing	3	A	

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ACCT 1110	3	ACCT 1120	3
ENGL 1010	3	ACCT 1280	3
FIN 1380	3	ACCT 2020	3
MKTG 1960	3	BUS 2200	3
Bus Elective	3	MGT 2050	3
Distribution area	3	CIS 2410	3
Total	**18**	**Total**	**18**
FALL SEMESTER		**SPRING SEMESTER**	
ACCT 2310	4	ACCT 2410	4
ACCT 2510	3	ACCT 2540	3
ECON 2020	3	ACCT Electives	6
FIN 2210	3	Distribution area	3
Bus Electives	3		
Total	**17**	**Total**	**16**

Advising Notes: This is a 2-year terminal degree. Several courses are transferable to other institutions. Students should check with the receiving institution to determine credit transferability.

ACCOUNTING – CERTIFICATE OF COMPLETION[CTE] 30 credits minimum

Accounting, Finance and Economics Division
Taylorsville Redwood Campus, BB 105
General Information, (801) 957-4073
Program Information, (801) 957-4235
http://www.slcc.edu/accounting
Academic Advisor: Devan Church, BB 209A, (801) 957-4286
For Appointment Call: (801) 957-4990 or (801) 957-4978

Program Faculty:
Professors – Lynnette Yerbury
Associate Professors – Dave Alldredge, Jaydene Love, Shauna Hatfield, Paige Paulsen
Assistant Professors – Robert Burdette

Program Description: Accounting is the process that summarizes economic information about a business entity for use by decision makers. Users of this information include investors, creditors, management and government agencies. Often this information is prepared using computer applications. The Accounting program at SLCC provides training in financial and managerial accounting. Students are taught both manual and basic computerized accounting systems. General Education courses provide training in effective oral and written communication and human relations skills. Students may earn a Certificate in Accounting (33 credit hours required) or may continue on to complete the Associate of Applied Science degree (68 credit hours required), leading to employment in areas such as accounts receivable, accounts payable, general ledger, and payroll.

Students who are interested in pursuing courses leading to a Bachelor's Degree in Accounting should follow the courses listed in the Business Associate of Science or the Business Associate of Arts Degree listed elsewhere in this catalog.

Program Student Learning Outcomes		Related College-Wide Student Learning Outcomes
1.1	Comply with generally accepted Accounting principles	1 – Substantive Knowledge
1.2	Perform the steps of the accounting cycle.	
1.3	Perform financial statement analysis.	
1.4	Utilize accounting information for decision making.	
1.5	Proficiently use technology.	
2.1	Communicate effectively in writing.	2 – Communicate Effectively
2.2	Communicate effectively numerically.	
3.1	Choose and perform appropriate financial calculations.	3 – Develop Quantitative Literacy
3.2	Solve time value of money problems.	
4.1	Extract relevant data from complex information, process it appropriately, and draw reasonable conclusions.	4 – Think Critically
5.1	Understand the ethical considerations inherently involved in Financial Reporting.	5 – Civic Engagement and/or Working Professionally
5.2	Understand the ethical considerations inherently involved in Federal Income Tax reporting.	

REQUIRED COURSES: (30 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ACCT 1110	Financial Accounting	3	A	
ACCT 1120	Financial Acct II	3	A	ACCT 1110
ACCT 1280	Acct Info Systems I	3	A	ACCT 1110 & CIS 2410 or concurrently
ACCT 2020	Managerial Accounting	3	A	ACCT 1110 or ACCT 2010 AND CIS 1020 or challenge exam
BUS 2200	Bus Communication	3	A	ENGL 1010 w/C grade or better
CIS 2410	Adv Spreadsheet App	3	A	CIS 1020 or challenge exam
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
FIN 1380	Financial Math	3	A	MATH 0990 or higher or appropriate Accuplacer score
MGT 2050	Legal Environ Business	3	A	BUS 1050, see business advisor
MKTG 1960	Prof in Business	3	A	

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ACCT 1110	3	ACCT 1120	3
ENGL 1010	3	ACCT 1280	3
FIN 1380	3	ACCT 2020	3
MKTG 1960	3	BUS 2200	3
CIS 2410	3	MGT 2050	3
Total	**15**	**Total**	**15**

Advising Notes: It is the student's responsibility to examine each course description to determine if prerequisites are required. Prerequisites must be satisfied before a class may be taken.

AEROSPACE AVIATION TECHNOLOGY – ASSOCIATE OF SCIENCE (AS) 67 credits minimum

Aerospace/Aviation and Related Technologies Division
Westpoint Center, Salt Lake City, UT
General Information, (801) 957-4073
Program Information, (801) 957-2055
http://www.slcc.edu/aviationtechnology
http://www.slcc.edu/professionalpilot/
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Associate Professors – Fiona Silcox
Instructors – Erwin Zundel

Program Description: Salt Lake Community College has offered the Professional Pilot program for 16 years and prepares students for a successful and exciting career in the aerospace and aviation industry. The program includes classroom academics, simulator training, and in-flight instruction. All academic and flight training is certified under the Federal Aviation Administration PAR's Part 141 standards. Graduates of SLCC's Aerospace/Aviation Pilot program are well prepared for successful and exciting careers in the aerospace industry. SLCC also caters to future pilots who may not be seeking a degree.

There are a few degrees available within Aerospace/Aviation-Pilot Technology. These degrees include an Associate of Science in Aerospace/Aviation Technology with four different tracks (Fixed-Wing, Rotor-Wing, Aviation Administration, or Dispatch Track), Associate of Applied Science degrees (Fixed-Wing and Rotor-Wing) and Certificates of Completion (Fixed-Wing and Rotor-Wing).

Career Opportunities: Career opportunities within the aerospace and aviation industry for pilots, administrators, and dispatchers include, but are not limited to: U.S. Military, U.S. Customs and Border Protection, Division of Wildlife, Commercial flight operations (flight instructing, scenic tours, cargo, charter, firefighting, parajumpers, trafficwatch), Major Commercial flight operations (regional and major airlines), and private corporate flight departments.

Transfer/Articulation Information: The two-year AS degree is designed for students who plan to transfer to programs at four-year universities or colleges. SLCC has developed articulation agreements with other state colleges and universities which make it easy for SLCC students to transfer their credits. SLCC students who complete the program are prepared to transfer to Utah Valley University, Utah State University, Westminster College, or Embry-Riddle Aeronautical University to complete a bachelor's degree. Contact an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information. See also www.slcc.edu/professionalpilot.

Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution.

Program Entry Requirements: Minimum age is 17 for pilot applicants and 21 for dispatch applicants. English literacy in reading and speaking is required. Physical condition must be certified by an FAA Medical Examiner for pilot applicants. A minimum of a Class II or physical exam is required at the approximate cost of $70. To find a Designated Pilot Examiner (DPE) for a Class II Medical Exam please visit the FAA website at http://www.faa.gov/pilots/amelocator/ . The physical exam must be completed prior to the first flight lesson. Financial Aid is available for eligible students and must be applied for at least 3 months prior to anticipated need.

Students may start this program during the Fall, Spring or Summer semester. For information on getting started, please visit http://www.slcc.edu/gettingstarted/index.asp

Total Program/Course Fees: In addition to tuition and fees, students will pay a special fee for pilot flight labs. This fee is based on the national average flight training required for the particular certificate. Flight lab fees may vary due to individual abilities and aircraft equipment selected. Contact program faculty for more information on flight lab fees. Federal Aviation Administration knowledge exams and practical test flights for pilot certifications are separate costs.

Estimated Cost for Students: The cost of tuition per semester may be found at http://www.slcc.edu/cashiering/tuitionfees.asp. The average cost per semester for books and supplies is $250. Most textbooks can be obtained from the College's bookstore, online, or are available at the pilot shop from the flight school on contract.

Estimated Time to Completion: If students follow suggested sample schedule, completion time is four semesters.

Specialized Accreditation: FAA-approved Part 141 flight program

Program Objectives: The FAA-approved Part 141 flight program prepares students to earn the following certificates: Private Pilot Certificate, Instrument Rating, Commercial Certificate, Certified Flight Instructor, and Certified Flight Instructor Instrument in Rotor Wing or Fixed Wing aircraft, and Multi-Engine Instructor in Fixed Wing (The FAA approved Part 65 Dispatch Program prepares students to earn a Dispatch Certification). The student must demonstrate through knowledge tests, practical tests, and show through appropriate records that he/she meets the knowledge, skill, and experience requirement necessary. The various stages are complete when the student has completed written exams with a minimum passing score of 70% . All program courses require a grade of a C or higher to be considered a passing grade. Students enrolled in the Dispatch track must have a cumulative GPA of a 3.0 to be recommended to take the FAA practical exam.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1. Students will acquire substantial knowledge of Private Pilot, Instrument, Commercial, Flight Instructor, and Fundamentals of Instructing aeronautical knowledge areas contained in FAA Part 141 curriculum. Students will demonstrate proficiency skills in Private Pilot, Instrument, Commercial, Flight Instructor, and Fundamentals of Instructing flight operations areas contained in FAA Part 141 curriculum.	1 – Substantive Knowledge 2 – Communicate Effectively
2. Students will demonstrate effective written communication skills	2 – Communicate Effectively
3. Students will demonstrate quantitative literacy skills.	3 – Develop Quantitative Literacy
4. Students will show how to think critically.	4 – Think Critically

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) CHOOSE ONE COURSE (3-4 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
MATH 1030	Quantitative Reasoning	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score
OR				
MATH 1050	College Algebra	4	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3
Physical Science (PS)	3

REQUIRED COURSES: (20 CREDITS)

COURSE		CR	SEM	PREREQUISITE
PILT 1010	Air Transportation	3	F, Sp	
PILT 1040	Aviation Orient	1	A	
PILT 1100	Priv Pilot Gnd Scl	4	A	Coreq: PILT 1110, 1115, 1140 or 1145
PILT 1420	Aircraft Systems	3	A	
PILT 2050	Aviation Meteorology	3	A	
PILT 2250	Aerodymanics	3	F, Sp	
PILT 2310	Human Factors & Safety	3	F, Sp	

TRACKS

In addition to required courses, students must also complete a minimum of 10 credits of Track Requirements and a minimum of 3 credits of Track or Pilot Electives.

DISPATCH CERTIFICATION TRACK REQUIREMENTS

COURSE		CR	SEM	PREREQUISITE
DISP 1010	Regs, A/C Syst/Proced	3	F, Sp	PILT 1100, 1400 and 2050 or all concurrently
PILT 1110	Pvt Sim Fixed-Wing Lab	1	A	Coreq: PILT 1100 required for non-flying students
PILT 1250	Inst Ground School	3	A	PILT 1150 or 1155. Coreq: PILT 1260 or 1265
PILT 1400	Intro Air Traffic Control	3	F, Sp	

DISPATCH CERTIFICATION TRACK ELECTIVES

COURSE		CR	SEM	PREREQUISITE
DISP 1300	Dispatch Applications	5	F, SP	PILT 1100, 1400, 2050 and DISP 1010 or all concurrently
PILT 1260	Inst Sim Fxd-Wing Lab	1	A	PILT 1150 Coreq: PILT 1250

FIXED-WING (AIRPLANE) TRACK REQUIREMENTS

COURSE		CR	SEM	PREREQUISITE
PILT 1250	Inst Ground School	3	A	PILT 1150 or 1155
PILT 1140	Solo Plt F/W Cert Lab	1	A	PILT 1100 or concurrently
PILT 1150	Prv Pilot F/W Cert Lab	2	A	PILT 1140
PILT 1260	Inst Simulator F/W Lab	1	A	PILT 1150 Coreq: PILT 1250
PILT 1300	Instr Cert F/W Lab	3	A	PILT 1250

FIXED-WING (AIRPLANE) TRACK ELECTIVES

COURSE		CR	SEM	PREREQUISITE
PILT 2100	Commercial Ground	3	A	PILT 1155 and 1250. Coreq: PILT 2205
PILT 2200	Cross Country F/W Lab	2	A	Coreq: PILT 1300 or 2100
PILT 2220	FW Engn Add-on Lab	1	A	PILT 1150 or instructor approval
PILT 2240	Com Pilt F/W Cert Lab	2	A	PILT 2200
PILT 2340	CFI Ground School	3	A	PILT 2100
PILT 2300	CFI/Airplane Lab	1	A	PILT 2240. Coreq: PILT 2340
PILT 2350	CFI/Inst Fixed-Wing Lab	1	A	PILT 2300
PILT 2400	CFI/Multi-Eng F/W Lab	1	A	PILT 2220 and 2300
PILT 2440	Mnt Flying F/W Lab	1	Su, F	PILT 1150 and 2050
PILT 2260	Comm FW CAT Add-on Lab	2	A	PILT 2240

ROTOR-WING (HELICOPTER) TRACK REQUIREMENTS

COURSE		CR	SEM	PREREQUISITE
PILT 1250	Inst Ground School	3	A	PILT 1150 or 1155 Coreq: PILT 1260 or 1265
PILT 1145	Solo Pilt R/W Cert Lab	1	A	PILT 1100 or concurrently
PILT 1155	Priv Pilt R/W Cert Lab	2	A	PILT 1145
PILT 1265	Inst Sim R/Wg Lab	1	A	PILT 1155 Coreq: PILT 1250
PILT 1305	Recip Trans R/W Lab	1	A	PILT 1155
PILT 1315	Inst R/W Cert Lab	2	A	PILT 1250

ROTOR-WING (HELICOPTER) TRACK ELECTIVES

COURSE		CR	SEM	PREREQUISITE
PILT 2100	Commercial Ground	3	A	PILT 1155 and 1250 Coreq: PILT 2205
PILT 2205	Cross Country R/W Lab	2	A	PILT 1315 Coreq: PILT 2100
PILT 2245	Com Pilt R/W Cert Lab	2	A	PILT 2205
PILT 2340	CFI Grnd School	3	A	PILT 2100
PILT 2305	CFI/Rotor-Wing	1	A	PILT 2245 Coreq: PILT 2340
PILT 2355	CFI/Inst Rotor-Wing Lab	1	A	PILT 2305
PILT 2405	Turbine Transtn R/W Lab	1	A	PILT 1145
PILT 2445	Mtn Ops Rotor-Wing Lab	1	Su, F	PILT 2050 and 2245
PILT 2455	Utility Oper Rotor-Wing Lab	1	Su, F	PILT 2245
PILT 2265	Comm RW CAT Add-on Lab	2	A	PILT 2245

AVIATION ADMINISTRATION TRACK REQUIREMENTS

COURSE		CR	SEM	PREREQUISITE
AVAD 1010	Airport Sys & Fac	3	F, Sp	
AVAD 1020	Airport Oper & Admin	3	F, Sp	
MGMT 1600	Management Essentials	3	A	
PILT 1110	Pvt Sim Fixed-Wing Lab	1	A	PILT 1100 required for non-flying students
OR				
PILT 1115	Pvt Sim Rotor-Wing Lab	1	A	PILT 1100 required for non-flying students

AVIATION ADMINISTRATION TRACK ELECTIVES

COURSE		CR	SEM	PREREQUISITE
PILT 1400	Intro to Air Traffic Cntrl	3	F, Sp	
PILT 2470	Corp Bus Aviation	2	F, Sp	

PILOT ELECTIVES

COURSE		CR	SEM	PREREQUISITE
PILT 1050	Aviation History	2	F, Sp	PILT 1010
PILT 1110	Pvt Sim Fixed-Wing Lab	1	A	PILT 1100 required for non-flying students
PILT 1115	Pvt Sim Rotor-Wing Lab	1	A	PILT 1100 required for non-flying students
PILT 1800	Ground Tutoring Lab	1	A	PILT 1100, 1250, 2100 or 2210; and instructor approval
PILT 1840	Simulator Tutoring Lab	1	A	Coreq: PILT 1100, 1145, 1150, 1155, 1300, 1305, 1315, 2200, 2205, 2220, 2240, 2245, 2300, 2305, 2350 or 2355
PILT 1990	Special Studies	1-3	A	Instructor permission
PILT 2000	Aviation CO-OP	1-2	A	Second year student and instructor approval
PILT 2010	PreGrad Seminar	1	F, Sp	Second year student
PILT 2470	Corp Business	2	F, Sp	

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ENGL 1010	3	ENGL 2010	3
PILT 1040	1	PILT 1010	3
PILT 1100	4	PILT 2310	3
TRACK REQ	1	TRACK REQ	2
PILT 1420	3	PILT 2050	3
STUDENT CHOICE	3	DISTRIBUTION	3
		HLAC	1
Total	**15**	**Total**	**15**

FALL SEMESTER		SPRING SEMESTER	
TRACK REQ	3	TRACK REQ	3
TRACK REQ	1	PILT 2250	3
MATH 1030/1050	3-4	TRACK ELEC	3-6
AI	3	DISTRIBUTION (3)	9
DISTRIBUTION (2)	6		
Total	**16-17**	**Total**	**18-21**

Advising Notes:
Students who need to take preparatory classes prior to entering the program should plan extra time to compete the program. High school curriculum in math, science and communication is recommended.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

Credit for Prior Experience:
Any FAA Certification or Military training leading to certification must be reviewed by department. Official copies of FAA Certification and/or Military training must be submitted for consideration. Private Certification or Private ground school experience may be substituted from the Major Course Requirements area after review or by any course work from any elective track within the Aerospace/Aviation Technology Degree.

AEROSPACE/AVIATION TECHNOLOGY – PROFESSIONAL PILOT, FIXED WING
ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 64 credits minimum

Aerospace/Aviation & Related Technologies Division
Westpointe Center, Salt Lake City, UT
General Information, (801) 957-4073
Program Information, (801) 957-2055
www.slcc.edu/professionalpilot/
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Associate Professors –Fiona Silcox
Instructor – Erwin Zundel

Program Description: Salt Lake Community College has offered the Pilot program for 16 years and prepares students for a successful and exciting career in the aerospace industry. The program includes classroom academics, simulator training, and in-flight instruction. All academic and flight training is certified under the Federal Aviation Administration PAR's Part 141 standards. Graduates of SLCC's Aerospace/Aviation Pilot program are well prepared for successful and exciting careers in the aerospace industry. SLCC also caters to future pilots who may not be seeking a degree.

There are a few flight degrees available within Aerospace/Aviation Technology Department. These degrees include an Associate of Science in Aerospace/Aviation Technology with four different tracks (Fixed-Wing, Rotor-Wing, Aviation Administration, or Dispatch Track), Associate of Applied Science degrees (Fixed-Wing and Rotor-Wing) and Certificates of Completion (Fixed-Wing and Rotor-Wing).

Career Opportunities:
Career opportunities within the aerospace and aviation industry for pilots and dispatchers include, but are not limited to: U.S. Military, U.S. Customs and Border Protection, Division of Wildlife, Commercial flight operations (flight instructing, scenic tours, cargo, charter, firefighting, parajumpers, trafficwatch), Major Commercial flight operations (regional and major airlines), and private corporate flight departments.

Transfer/Articulation Information: Students who earn an AAS degree in Aerospace/Aviation Technology have the option to transfer into the Technology Management Bachelor Degree at Utah Valley University. UVU will accept up to 45 technical credits towards this degree. Contact the University Center for current information. www.slcc.edu/universitycenter/programs or call (801) 957- 4824.

Program Entry Requirements: Minimum age is 17 for pilot applicants. English literacy in reading and speaking is required. Physical condition must be certified by an FAA Medical Examiner for pilot applicants. A minimum of a Class II physical exam is required at the approximate cost of $70. To find a Designated Pilot Examiner (DPE) for a Class II Medical Exam please visit the FAA website at http://www.faa.gov/pilots/amelocator/ . The physical exam must be completed prior to the first flight lesson. Financial Aid is available for eligible students and must be applied for at least 3 months prior to anticipated need.

Students may start this program during the Fall, Spring or Summer semester. For information on getting started, please visit http://www.slcc.edu/gettingstarted/index.asp

Total Program/Course Fees: In addition to tuition and fees, students will pay a special fee for pilot flight labs. This fee is based on the national average flight training required for the particular certificate. Flight lab fees may vary due to individual abilities and aircraft equipment selected. Contact program faculty for more information on flight lab fees. Federal Aviation Administration knowledge exams and practical test flights for pilot certifications are separate costs.

Estimated Cost for Students: The cost of tuition per semester may be found at http://www.slcc.edu/cashiering/tuitionfees.asp. The average cost per semester for books and supplies is $250. Most textbooks can be obtained from the College's bookstore, online, or are available at the pilot shop from the flight school on contract.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Specialized Accreditation: FAA-approved Part 141 flight program

Program Objectives: The FAA-approved Part 141 flight program prepares students to earn the following certificates: Private Pilot Certificate, Instrument Rating, Commercial Certificate, Certified Flight Instructor, and Certified Flight Instructor Instrument, and Multi-Engine Instructor in Fixed Wing. (The FAA approved Part 65 Dispatch Program prepares students to earn a Dispatch Certification.) The student must demonstrate through knowledge tests, practical tests, and show through appropriate records that he/she meets the knowledge, skill, and experience requirement necessary. The various stages are complete when the student has completed written exams with a minimum passing score of 70%. All program courses require a grade of a C or higher to be considered a passing grade. Students enrolled in the Dispatch option must have a cumulative GPA of a 3.0 to be recommended to take the FAA practical exam.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students will acquire substantial knowledge of Private Pilot, Instrument, Commercial, Flight Instructor, and Fundamentals of Instructing aeronautical knowledge areas contained in FAA Part 141 curriculum. Students will demonstrate proficiency skills in Private Pilot, Instrument, Commercial, Flight Instructor, and Fundamentals of Instructing flight operations areas contained in FAA Part 141 curriculum	1
2. Students will demonstrate effective written communication skills	2
3. Students will demonstrate quantitative literacy skills	3
4. Students will show how to think critically	4

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Intermed Algebra	4	A	RDG 0900 w/C or better and within the past year, MATH 0990 w/C grade or better, or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (3 CREDITS)

Choose an additional three credits from one of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (37 CREDITS)

COURSE		CR	SEM	PREREQUISITE
PILT 1010	Air Transportation	3	F,Sp	
PILT 1040	Aviation Orientation	1	A	
PILT 1100	Priv PILT Grnd School	4	A	Coreq: PILT 1110, 1115, 1140 or 1145

PILT 1140	Solo PILT FW Cert Lab	1	A	PILT 1100 or concurrently
PILT 1150	Priv PILT FW Cert Lab	2	A	PILT 1140
PILT 1250	Instr Ground School	3	A	PILT 1150 or 1155
PILT 1260	Instr Sim FW Lab	1	A	PILT 1150. Coreq: PILT 1250
PILT 1300	Instr Cert FW Lab	3	A	PILT 1150
PILT 1420	Aircraft Systems	3	A	
PILT 2050	Aviation Meteorology	3	F,Sp	
PLT 2100	Commer Ground School	3	A	PILT 1155 and 1250, Coreq: 2205
PILT 2200	Cross Country FW Lab	2	A	Coreq: PILT 1300 or 2100
PILT 2240	Comm PILT FW Cert Lab	2	A	PILT 2200
PILT 2250	Aerodynamics	3	F, Sp	
PILT 2310	Human Factors & Safety	3	F, Sp	

ELECTIVE COURSES: (SELECT 12-13 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
AVAD 1010	Airport Sys & Fac	3	F, Sp	
AVAD 1020	Airport Ops & Admin	3	F, Sp	
DISP 1010	Regs, A/C Sys & Procd	3	F, Sp	PILT 1100, 1400, and 2050, or all concurrently
DISP 1300	Dispatch Applications	5	F, Sp	PILT 1100, 1400, 2050 and DISP 1010, or all concurrently
PILT 1050	Aviation History	2	F, Sp	PILT 1010
PILT 1110	Priv Sim FW Lab	1	F, Sp	Coreq: PILT 1100 required for non-flying students or AS degree Dispatch Track
PILT 1400	Intro to Air Traffic Cont	3	F,Sp	
PILT 1800	Ground Touring Lab	1	A	Coreq: PILT 1100, 1250, 2100 or 2210 and instructor approval
PILT 1840	Sim Touring Lab	1	A	Coreq: PILT 1140, 1145, 1150, 1155, 1300, 1305, 1315, 2200, 2205, 2220, 2240, 2245, 2300, 2305, 2350, 2355 or instructor approval
PILT 1990	Special Studies	1-5	A	Instructor permission
PILT 2000	Aviation Co-op	1-2	A	Second year student and instructor permission
PILT 2010	PreGrad Seminar	1	F, Sp	Second year student
PILT 2220	FW Engine Add On Lab	1	A	PILT 1150 or instructor approval
PILT 2300	CFI/Airplane Lab	1	A	PILT 2240. Coreq: PILT 2340
PILT 2340	CFI Ground School	3	A	PILT 2100
PILT 2350	CFI/Instrument FW Lab	1	A	PILT 2300
PILT 2400	CFI/Multi-Eng FW Lab	1	A	PILT 2220 and 2300
PILT 2440	Mount Flying FW Lab	1	Su, F	PILT 1150 and 2050
PILT 2470	Corp/Bus Aviation	2	F, Sp	
PILT 2260	Comm FW CAT Add-on Lab	2	A	PILT 2240

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
PILT 1040	1	PILT 1150	2
PILT 1100	4	PILT 1010	3
PILT 1140	1	PILT 2050	3
PILT 1420	3	PILT 2310	3
ENGL 1010	3	MATH 1010	4
CM Course	3	PILT Elective	3
Total	**15**	**Total**	**18**
FALL SEMESTER		**SPRING SEMESTER**	
PILT 1250	3	PILT 2100	3
PILT 1260	1	PILT 2200	2
PILT 1300	3	PILT 2240	2
PILT 2250	3	Distribution	3
HR Course	2-3	PILT Elective	6
PILT Elective	3		
Total	**15-16**	**Total**	**16**

Advising Notes: Students who need to take preparatory classes prior to entering the program should plan extra time to compete the program. High school curriculum in math, science and communication is recommended.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

Credit for Prior Experience: Any FAA Certification or Military training leading to certification must be reviewed by department. Official copies must be submitted for review. Private Certification or Private ground school experience may be substituted from the Major Course Requirements area after review or by any course work from any elective track within the Aerospace/Aviation Technology Degree.

AEROSPACE/AVIATION TECHNOLOGY – PROFESSIONAL PILOT, ROTOR WING
ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 64 credits minimum

Aerospace/Aviation & Related Technologies Division
Westpointe Center, Salt Lake City, UT
General Information, (801) 957-4073
Program Information, (801) 957-2055
www.slcc.edu/professionalpilot/
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Associate Professors –Fiona Silcox
Instructor – Erwin Zundel

Program Description: Salt Lake Community College has offered the Pilot program for 16 years and prepares students for a successful and exciting career in the aerospace industry. The program includes classroom academics, simulator training, and in-flight instruction. All academic and flight training is certified under the Federal Aviation Administration PAR's Part 141 standards. Graduates of SLCC's Aerospace/Aviation Pilot program are well prepared for successful and exciting careers in the aerospace industry. SLCC also caters to future pilots who may not be seeking a degree.

There are a few degrees available within Aerospace/Aviation Technology Department. These degrees include an Associate of Science in Aerospace/AviationTechnology with four different tracks (Fixed-Wing, Rotor-Wing, Aviation Administration, or Disptach Track), Associate of Applied Science degrees (Fixed-Wing and Rotor-Wing) and Certificates of Completion (Fixed-Wing and Rotor-Wing).

Career Opportunities: Career opportunities within the aerospace and aviation industry for pilots and dispatchers include, but are not limited to: U.S. Military, U.S. Customs and Border Protection, Division of Wildlife, Commercial flight operations (flight instructing, scenic tours, cargo, charter, firefighting, parajumpers, trafficwatch), Major Commercial flight operations (regional and major airlines), and private corporate flight departments.

Transfer/Articulation Information: Students who earn an AAS degree in Aerospace/Aviation Technology-Pilot also have the option to transfer into the Technology Management Bachelor Degree at Utah Valley University. UVU will accept up to 45 technical credits towards this degree. Contact the University Center for current information.
www.slcc.edu/universitycenter/programs

Program Entry Requirements: Minimum age is 17 for pilot applicants. English literacy in reading and speaking is required. Physical condition must be certified by an FAA Medical Examiner for pilot applicants. A minimum of a Class II physical exam is required at the approximate cost of $70. To find a Designated Pilot Examiner (DPE) for a Class II Medical Exam please visit the FAA website at http://www.faa.gov/pilots/amelocator/ . The physical exam must be completed prior to the first flight lesson. Financial Aid is available for eligible students and must be applied for at least 3 months prior to anticipated need.

Students should possess a strong desire to succeed in each and every endeavor, be willing to devote themselves 100% to a challenging academic and in-flight curriculum and be willing to pursue an active career in a dynamic and fast-paced industry.

Strong, consistent performance in basic high school studies and good overall physical health will adequately prepare students for success in the SLCC program and overall aviation industry.

Students may start this program during the Fall, Spring or Summer semester. For information on getting started, please visit http://www.slcc.edu/gettingstarted/index.asp

Total Program/Course Fees: In addition to tuition and fees, students will pay a special fee for pilot flight labs. This fee is based on the national average flight training required for the particular certificate. Flight lab fees may vary due to individual abilities and aircraft equipment selected. Contact program faculty for more information on flight lab fees. Federal Aviation Administration knowledge exams and practical test flights for pilot certifications are separate costs.

Estimated Cost for Students: The cost of tuition per semester may be found at http://www.slcc.edu/cashiering/tuitionfees.asp. The average cost per semester for books and supplies is $250. Most textbooks can be obtained from the College's bookstore, online, or are available at the pilot shop from the flight school on contract.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Specialized Accreditation: FAA-approved Part 141 flight program

Program Objectives: The FAA-approved Part 141 flight program prepares students to earn the following certificates: Private Pilot Certificate, Instrument Rating, Commercial Certificate, Certified Flight Instructor, and Certified Flight Instructor Instrument in Rotor Wing. (The FAA approved Part 65 Dispatch Program prepares students to earn a Dispatch Certification.) The student must demonstrate through knowledge tests, practical tests, and show through appropriate records that he/she meets the knowledge, skill, and experience requirement necessary. The various stages are complete when the student has completed written exams with a minimum passing score of 70%. All program courses require a grade of a C or higher to be considered a passing grade. Students enrolled in the Dispatch option must have a cumulative GPA of a 3.0 to be recommended to take the FAA practical exam.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students will acquire substantial knowledge of Private Pilot, Instrument, Commercial, Flight Instructor, and Fundamentals of Instructing aeronautical knowledge areas contained in FAA Part 141 curriculum. Students will demonstrate proficiency skills in Private Pilot, Instrument, Commercial, Flight Instructor, and Fundamentals of Instructing flight operations areas contained in FAA Part 141 curriculum	1
2. Students will demonstrate effective written communication skills	2
3. Students will demonstrate quantitative literacy skills	3
4. Students will show how to think critically	4

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Intermed Algebra	4	A	RDG 0900 w/C or better and within the past year, MATH 0990 w/C grade or better, or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (3 CREDITS)

Choose an additional three credits from one of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3

Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (36 CREDITS)

COURSE		CR	SEM	PREREQUISITE
PILT 1010	Air Transportation	3	F,Sp	
PILT 1040	Aviation Orientation	1	A	
PILT 1100	Priv PILT Grnd School	4	A	Coreq: PILT 1110, 1115, 1140 or 1145
PILT 1145	Solo PILT RW Cert Lab	1	A	PILT 1100 or concurrently
PILT 1155	Priv PILT RW Cert Lab	2	A	PILT 1145
PILT 1250	Instr Ground School	3	A	PILT 1150 or 1155
PILT 1265	Instr Sim RW Lab	1	A	PILT 1155. Coreq: PILT 1250
PILT 1315	Instr Cert RW Lab	2	A	Coreq: PILT 1250
PILT 1420	Aircraft Systems	3	A	
PILT 2050	Aviation Meteorology	3	F,Sp	
PLT 2100	Commer Ground School	3	A	PILT 1155 and 1250. Coreq: PILT 2205
PILT 2205	Cross Country RW Lab	2	A	PILT 1315. Coreq: PILT 2100
PILT 2245	Comm PILT RW Cert Lab	2	A	PILT 2205
PILT 2250	Aerodynamics	3	F, Sp	
PILT 2310	Human Factors & Safety	3	F, Sp	

ELECTIVE COURSES: (SELECT 13-14 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
DISP 1010	Regs, A/C Sys & Procd	3	F, Sp	PILT 1100, 1400, and 2050, or all concurrently
DISP 1300	Dispatch Applications	5	F, Sp	PILT 1100, 1400, 2050 and DISP 1010, or all concurrently
PILT 1050	Aviation History	2	F, Sp	PILT 1010
PILT 1115	Priv Sim RW Lab	1	F, Sp	Coreq: PILT 1100 required for non-flying students
PILT 1305	Recr Trans RW Lab	1	F, SP	PILT 1155
PILT 1400	Intro to Air Traffic Cont	3	F,Sp	
PILT 1800	Ground Touring Lab	1	A	Coreq: PILT 1100, 1250, 2100 or 2210 and instructor approval
PILT 1840	Sim Touring Lab	1	A	Coreq: PILT 1140, 1145, 1150, 1155, 1300, 1305, 1315, 2200, 2205, 2220, 2240, 2245, 2300, 2305, 2350, 2355 or instructor approval
PILT 1990	Special Studies	1-5	A	Instructor permission
PILT 2000	Aviation Co-op	1-2	A	Second year student and instructor permission
PILT 2010	PreGrad Seminar	1	F, Sp	Second year student
PILT 2305	CFI/Rotor-Wing Lab	1	A	PILT 2245. Coreq: PILT 2340
PILT 2340	CFI Ground School	3	A	PILT 2100
PILT 2355	CFI/Instrument RW Lab	1	A	PILT 2305
PILT 2405	CFI/Multi-Eng RW Lab	1	A	PILT 1145
PILT 2445	Mount Flying RW Lab	1	Su, F	PILT 2050 and 2245
PILT 2455	Utility Oper RW Lab	1	Su, F	PILT 2245
PILT 2470	Corp/Bus Aviation	2	F, Sp	
PILT 2265	Comm RW CAT Add-on Lab	2	A	PILT 2245
AVAD 1010	Airport Sys & Fac	3	F, Sp	
AVAD 1020	Airport Ops & Admin	3	F, Sp	

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
PILT 1040	1	PILT 1155	2
PILT 1100	4	PILT 1010	3
PILT 1145	1	PILT 2050	3
PILT 1420	3	PILT 2310	3
ENGL 1010	3	MATH 1010	4
CM Course	3	PILT Elective	3
Total	**15**	**Total**	**18**

FALL SEMESTER		SPRING SEMESTER	
PILT 1250	3	PILT 2100	3
PILT 1265	1	PILT 2200	2
PILT 1315	2	PILT 2245	2
PILT 2250	3	Distribution	3
HR Course	2-3	PILT Elective	6
PILT Elective	4		
Total	**15-16**	**Total**	**16**

Advising Notes: Students who need to take preparatory classes prior to entering the program should plan extra time to compete the program. High school curriculum in math, science and communication is recommended.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

Credit for Prior Experience: Any FAA Certification or Military training leading to certification must be reviewed by department. Official copies must be submitted for review. Private Certification or Private ground school experience may be substituted from the Major Course Requirements area after review or by any course work from any elective track within the Aerospace/Aviation Technology Degree.

AEROSPACE/AVIATION TECHNOLOGY MAINTENANCE – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 88 credits minimum

Aerospace/Aviation & Related Technologies Division
International Airport Center
General Information, (801) 957-4073
Program Information, (801) 957-2055
http://www.slcc.edu/aviationtechnology
http://www.slcc.edu.aviationmaintenance
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Associate Professors – Steve Mendiola, Brian Williamson
Assistant Professors – Todd Baird, Jaime Horning, Andy Wilson

Program Description: The Aerospace/Aviation Technology-Aviation Maintenance Program is designed to prepare students for a career in maintenance and repair of various aircraft. This program is designed to give students knowledge and skills for the level required to pass the Federal Aviation Administration written, oral and practical examinations for an airframe and powerplant (A&P) mechanics license. Aircraft technicians are required to perform preventive maintenance and troubleshoot, repair, install or replace parts relative to airframes and engines. Students will learn both fixed and rotor-wing aircraft as well as reciprocating and turbine engines.

Depending upon the type of work they do, aircraft mechanics and repairman work in hangars, on the flight line, or in repair shops. They use hand and power tools as well as sophisticated test equipment. Noise levels are high, and flight line mechanics often work outdoors in inclement weather. Sometimes the work requires physical demands that can be arduous. Aircraft maintenance technicians often work under pressure to maintain flight schedules or minimize inconvenience to customers, but a technician must not sacrifice high standards of workmanship in the process.

Career Opportunities: Aircraft technicians troubleshoot and repair, and replace and install parts on many different types of aircraft, including jets, propeller-driven airplanes, and helicopters. Some A & P Technicians specialize in engines or airframes, but most technicians will be required to work on all aspects of aircraft repair.

Career opportunities include, but not limited to, A&P Technician, Repair station technician, Lead Technician, Inspector, Aircraft Manufacturing and Aerospace Engineer. The long-term employment outlook is very good. There is a current shortage of aviation maintenance technicians, largely due to the considerable attrition of retiring personnel, and to growth in the industry. Employment projections emphasize that well-trained, licensed individuals with a strong background in technical subjects will have little trouble finding work in the aviation industry.

Transfer/Articulation Information: Students who earn an AAS degree in Aerospace/Aviation Technology-Maintenance have the option to transfer into the Technology Management Bachelor Degree at Utah Valley University. UVU will accept up to 45 technical credits towards this degree. Contact the University Center for current information: www.slcc.edu/universitycenter/programs or call (801) 957-4824.

Program Entry Requirements: Students may start this program during the Fall or Spring semesters. There are day and evening classes available. For information on getting started, please visit http://www.slcc.edu/gettingstarted/index.asp.

Estimated Cost for Students:

Tuition per semester: http://www.slcc.edu/cashiering/tuitionfees.asp

Tools	$1,500
Tool Box	$1,000
Books	$350
FAA Test	$750

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is five semesters.

Specialized Accreditation: The Aviation Maintenance Technician program at Salt Lake Community College is one of 150 FAA approved schools in the US, providing students with the extensive knowledge they need in order to succeed in aviation maintenance.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1.1 Students will acquire the knowledge and skills necessary to pass the Federal Aviation Administration written/oral and practical exams for the General AMT (A&P) requirement. Curriculum requirements are found at www.faa.gov. Required subject areas required by FAA Part 147 are on file in the Division Office with an assessment plan to address knowledge areas by regulations. 1.2 Students will acquire the knowledge and skills necessary to pass the Federal Aviation Administration written/oral and practical exams for an Airframe AMT (A&P) requirement. Curriculum requirements are found at www.faa.gov. Required subject areas required by FAA Part 147 are on file in the Division Office with an assessment plan to address knowledge areas by regulations. 1.3 Students will acquire the knowledge and skills necessary to pass the Federal Aviation Administration written/oral and practical exams for a Powerplant AMT (A&P) requirement. Curriculum requirements required by FAA Part 147 are found at www.faa.gov. Required subject areas are on file in the Division Office with an assessment plan to address knowledge areas by regulations.	1 – Substantive Knowledge
2. 1 Students will be required to demonstrate effective logbook entries of coursework performed on aircraft during lab assignments. 2.2 Students in the AMT program will complete an oral report of their Return to Service activities in both Airframe and Powerplant courses. 2.3 Students in the AMT program will complete a written report of their Return to Service activities in both Airframe and Powerplant courses.	2 – Communicate Effectively
3. Students will be able to apply reasoning and interpret information represented on data, graphs, and/or tables as it relates to safe maintenance practices as identified with in the aviation industry. Operations will include problems and reasoning skills in the areas of: A. weight and balance, B. sheet metal layout and fabrication, C. assembly and rigging, D. Electrical systems repair E. Maintenance items on both GA and commercial aircraft piston and turbine aircraft.	3 – Develop Quantitative Literacies
4. The program will require students to perform Quality Assurance (QA) functions as required for the industry. The requirement for QA will encompass subjects addressed by FAA Part 147 regarding critical safety of flight maintenance tasks. These subjects will include sheet metal, composites, piston engine overhaul, and assembly and rigging of flight controls.	4 – Think Critically
5. The program will require students to participate in a return to service program that can be done in partnership with industry or on aircraft purchased for the AMT program. Students work will be IAW industry standards for return to service.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Intermed Algebra	4	A	RDG 0900 w/C or better and within the past year, MATH 0990 w/C grade or better, or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem of Eff Comm	3	A	

HUMAN RELATIONS (HR) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
LE 1220	Human Relation	3	A	

DISTRIBUTION AREAS: (3 CREDITS)

Choose an additional three credits from one of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (72 CREDITS)

COURSE		CR	SEM	PREREQUISITE
AMTT 1120	Aircraft Regulat	8	F, Sp	Coreq: AMTT 1140 when available.
AMTT 1140	Aircraft Elec Hrd	8	F, Sp	
AMTT 1220	Airframe Sys I	8	A	AMTT 1120 and 1140
AMTT 1240	Airframe Sys II	8	A	AMTT 1120 and 1140
AMTT 1260	Airframe Sys III	8	A	AMTT 1120 and 1140
AMTT 2320	Airframe Inspect	8	A	AMTT 1220, 1140, 1220, 1240 and 1260
AMTT 2340	Powerplant Sys	8	A	AMTT 1120 and 1140
AMTT 2420	Recip Engines	8	A	AMTT 1120 and 1140
AMTT 2440	Powerplant Insp	8	A	AMTT 2320, 1140, 2320, 2340 and 2420

ELECTIVE COURSES:

COURSE		CR	SEM	PREREQUISITE
AMTT 1160	Aviation Tech Math	3	F, Sp	
AMTT 2990	Special Studies	1-5	A	Instructor approval

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
AMTT 1120	8	AMTT 1220	8
AMTT 1140	8	AMTT 1240	8
MATH 1010	4	DISTRIBUTION	3
Total	**20**	**Total**	**19**

SUMMER SEMESTER	
AMTT 1260	8
LE 1220	3
Total	**11**

FALL SEMESTER		SPRING SEMESTER	
AMTT 2320	8	AMTT 2420	8
AMTT 2340	8	AMTT 2440	8
ENGL 1010	3	COMM 1010	3
Total	**19**	**Total**	**19**

Advising Notes: Students who need to take preparatory classes prior to entering the program should plan extra time to compete the program. High school curriculum in math, science and communication is recommended.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

Credit for Prior Experience:
Any FAA Certification or Military training leading to certification must be reviewed by department and the FAA. Official copies of FAA Certification and/or Military training must be submitted for consideration.

AVIATION BUSINESS OPERATIONS FIXED-WING FLIGHT TECHNOLOGY – CERTIFICATE OF COMPLETION[CTE] 36 credits minimum

Aerospace/Aviation and Related Technologies Division
Westpointe Center, Salt Lake City, UT
General Information, (801) 957-4073
Program Information, (801) 957-2055
http://www.slcc.edu/professionalpilot/
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Associate Professors – Fiona Silcox
Instructors – Erwin Zundel

Program Description: The two-semester Certificate of Completion will provide students with the basic knowledge and skills needed to operate aircraft for pleasure (non-commercial) in the western United States. The program combines flight training with technical and professional courses essential for success to include flight training leading to FAA rating; Private Pilot Certificate; FAA Instrument Certificate; aircraft systems operations; effects of weather on flight; and flying in mountainous regions. Certificate requirements may be applied toward entry-level requirements for the Professional Pilot program or toward commercial rating.

Career Opportunities: Career opportunities within the aerospace and aviation industry for pilots include, but are not limited to: U.S. Military, U.S. Customs and Border Protection, Division of Wildlife, Commercial flight operations (flight instructing, scenic tours, cargo, charter, firefighting, parajumpers, trafficwatch), Major Commercial flight operations (regional and major airlines), and private corporate flight departments.

Transfer/Articulation Information: Students who may choose to pursue an AS degree in the future should take courses that meet general education requirements for an AS degree in Aerospace/Aviation.

Program Entry Requirements: Minimum age is 17 for pilot applicants. English literacy in reading and speaking is required. Physical condition must be certified by an FAA Medical Examiner for pilot applicants. A minimum of a Class II or physical exam is required at the approximate cost of $70. To find a Designated Pilot Examiner (DPE) for a Class II Medical Exam please visit the FAA website at http://www.faa.gov/pilots/amelocator/ . The physical exam must be completed prior to the first flight lesson. Financial Aid is available for eligible students and must be applied for at least 3 months prior to anticipated need.

Students should possess a strong desire to succeed in each and every endeavor, be willing to devote themselves 100% to a challenging academic and in-flight curriculum and be willing to pursue an active career in a dynamic and fast-paced industry.

Strong, consistent performance in basic high school studies and good overall physical health will adequately prepare students for success in the SLCC program and overall aviation industry.

Students may start this program Fall, Spring or Summer semester. For information on getting started, please visit http://www.slcc.edu/gettingstarted/index.asp

Total Program/Course Fees: In addition to tuition and fees, students will pay a special fee for pilot flight labs. This fee is based on the national average flight training required for the particular certificate. Flight lab fees may vary due to individual abilities and aircraft equipment selected. Contact program faculty for more information on flight lab fees. Federal Aviation Administration knowledge exams and practical test flights for pilot certifications are separate costs.

Estimated Cost for Students: The cost of tuition per semester may be found at http://www.slcc.edu/cashiering/tuitionfees.asp. The average cost per semester for books and supplies is $250. Most textbooks can be obtained from the College's bookstore, online, or are available at the pilot shop from the flight school on contract.

Estimated Time to Completion: If students follow suggested sample schedule, completion time is two semesters.

Specialized Accreditation: FAA-approved Part 141 flight program

Program Objectives: The FAA-approved Part 141 flight program prepares students to earn the following certificates: Private

Pilot Certificate, Instrument Rating, Commercial Certificate, Certified Flight Instructor, Certified Flight Instructor Instrument, Multi-Engine Instructor, Rotor Wing or Fixed Wing, and Airline Transport Pilot. The student must demonstrate through knowledge tests, practical tests, and show through appropriate records that he/she meets the knowledge, skill, and experience requirement necessary. The various stages are complete when the student has completed written exams with a minimum passing score of 70%. All program courses require a grade of a C or higher to be considered a passing grade.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students will acquire substantial knowledge of Private Pilot and Instrument aeronautical knowledge areas contained in FAA Part 141 curriculum. Students will demonstrate proficiency skills in Private Pilot and Instrument flight operations areas contained in FAA Part 141 curriculum	1
2. Students will demonstrate effective written communication skills	2
3. Students will demonstrate quantitative literacy skills	3
4. Students will show how to think critically	4

GENERAL EDUCATION REQUIREMENTS

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved QS course			

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

REQUIRED COURSES: (27 CREDITS)

COURSE		CR	SEM	PREREQUISITE
PILT 1040	Aviation Orientation	1	A	
PILT 1100	Private Pilot Grnd School	4	A	Coreq: PILT 1110, 1115, 1140 or 1145
PILT 1140	Solo Pilot Cert Lab	1	A	Coreq: PILT 1100
PILT 1150	Priv Pilt Fxd-Wing Crt Lab	2	A	PILT 1140
PILT 1250	Instrument Grnd School	3	A	PILT 1150 or 1155
PILT 1260	Inst Sim Fixed-Wing Lab	1	A	PILT 1150 Coreq: PILT 1250
PILT 1300	Inst Cert Fixed-Wing Lab	3	A	PILT 1150 Coreq: PILT 1250 and 1260
PILT 1400	Intro Air Traffic Control	3	F, Sp	
PILT 1420	Aircraft Systems	3	A	
PILT 2050	Aviation Meteorology	3	A	
PILT 2440	Mntn Flying Fxd-Wing Lab	1	Su, F	PILT 1150 and 2050
PILT 2470	Corporate/Business AV	1	F, SP	
	Aviation or Track Elective	1	A	

ELECTIVE RECOMMENDATIONS

COURSE		CR	SEM	PREREQUISITE
PILT 2210	Multi-Eng Grnd	1	A	PILT 1150 and 2050
PILT 2220	F/W Add-on Lab	1	A	PILT 1150 or instructor approval

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
CM	3	QS	3-4
PILT 1040	1	HR	2-3
PILT 1100	4	PILT 1150	2
PILT 1140	1	PILT 1250	3
PILT 1400	3	PILT 1260	1
PILT 1420	3	PILT 1300	3
PILT 2050	3	PILT 2440	1
ELEC	1	PILT 2470	2
Total	**19**	**Total**	**17-19**

Advising Notes: Students who need to take preparatory classes prior to entering the program should plan extra time to compete the program. High school curriculum in math, science and communication is recommended.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

Credit for Prior Experience: Any FAA Certification or Military training leading to certification must be reviewed by the department. Official copies of FAA Certification and/or Military training must be submitted for consideration. Private Certification or Private ground school experience may be substituted from the Major Course Requirements area after review or by any course work from any elective track within the Aerospace/Aviation Technology Degree.

AVIATION BUSINESS OPERATIONS ROTOR-WING FLIGHT TECHNOLOGY – CERTIFICATE OF COMPLETION[CTE] 36 credits minimum

Aerospace/Aviation and Related Technologies Division
Westpointe Center, Salt Lake City, UT
General Information, (801) 957-4073
Program Information, (801) 957-2055
http://www.slcc.edu/professionalpilot/
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Associate Professors – Fiona Silcox
Instructors – Erwin Zundel

Program Description: The two-semester Certificate of Completion will provide students with the basic knowledge and skills needed to operate aircraft for pleasure (non-commercial) in the western United States. The program combines flight training with technical and professional courses essential for success to include flight training leading to FAA rating; Private Pilot Certificate; FAA Instrument Certificate; aircraft systems operations; effects of weather on flight; and flying in mountainous regions. Certificate requirements may be applied toward entry-level requirements for the Professional Pilot program or toward commercial rating.

Career Opportunities: Career opportunities within the aerospace and aviation industry for pilots include, but are not limited to: U.S. Military, U.S. Customs and Border Protection, Division of Wildlife, Commercial flight operations (flight instructing, scenic tours, cargo, charter, firefighting, parajumpers, trafficwatch), Major Commercial flight operations (regional and major airlines), and private corporate flight departments.

Transfer/Articulation Information: Students who may choose to pursue an AS degree in the future should take courses that meet general education requirements for an AS degree in Aerospace/Aviation.

Program Entry Requirements: Minimum age is 17 for pilot applicants. English literacy in reading and speaking is required. Physical condition must be certified by an FAA Medical Examiner for pilot applicants. A minimum of a Class II or physical exam is required at the approximate cost of $70. To find a Designated Pilot Examiner (DPE) for a Class II Medical Exam please visit the FAA website at http://www.faa.gov/pilots/amelocator/ . The physical exam must be completed prior to the first flight lesson. Financial Aid is available for eligible students and must be applied for at least 3 months prior to anticipated need.

Students should possess a strong desire to succeed in each and every endeavor, be willing to devote themselves 100% to a challenging academic and in-flight curriculum and be willing to pursue an active career in a dynamic and fast-paced industry.

Strong, consistent performance in basic high school studies and good overall physical health will adequately prepare students for success in the SLCC program and overall aviation industry.

Students may start this program Fall, Spring or Summer semester. For information on getting started, please visit http://www.slcc.edu/gettingstarted/index.asp

Total Program/Course Fees: In addition to tuition and fees, students will pay a special fee for pilot flight labs. This fee is based on the national average flight training required for the particular certificate. Flight lab fees may vary due to individual abilities and aircraft equipment selected. Contact program faculty for more information on flight lab fees. Federal Aviation Administration knowledge exams and practical test flights for pilot certifications are separate costs.

Estimated Cost for Students: The cost of tuition per semester may be found at http://www.slcc.edu/cashiering/tuitionfees.asp. The average cost per semester for books and supplies is $250. Most textbooks can be obtained from the College's bookstore, online, or are available at the pilot shop from the flight school on contract.

Estimated Time to Completion: 2 semesters minimum

Specialized Accreditation: FAA-approved Part 141 flight program

Program Objectives: The FAA-approved Part 141 flight program prepares students to earn the following certificates: Private Pilot Certificate, Instrument Rating, Commercial Certificate, Certified Flight Instructor, Certified Flight Instructor Instrument, Multi-Engine Instructor, Rotor Wing or Fixed Wing, and Airline Transport Pilot. The student must demonstrate through knowledge tests, practical tests, and show through appropriate records that he/she meets the knowledge, skill, and experience requirement necessary. The various stages are complete when the student has completed written exams with a minimum passing score of 70%. All program courses require a grade of a C or higher to be considered a passing grade.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students will acquire substantial knowledge of Private Pilot and Instrument aeronautical knowledge areas contained in FAA Part 141 curriculum. Students will demonstrate proficiency skills in Private Pilot and Instrument flight operations areas contained in FAA Part 141 curriculum	1
2. Students will demonstrate effective written communication skills	2
3. Students will demonstrate quantitative literacy skills	3
4. Students will show how to think critically	4

GENERAL EDUCATION REQUIREMENTS

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved QS course			

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

REQUIRED COURSES: (27 CREDITS)

COURSE		CR	SEM	PREREQUISITE
PILT 1040	Aviation Orientation	1	A	
PILT 1100	Priv Pilot Ground School	4	A	Coreq: PILT 1110, 1115, 1140 or 1145
PILT 1145	Solo Pilt Rotr-Wng Cert Lab	1	A	Coreq: PILT 1100
PILT 1155	Priv Pilot Rtr-Wing Cert Lab	2	A	PILT 1140
PILT 1250	Instrument Grnd School	3	A	PILT 1150 or 1155
PILT 1265	Inst Sim Rtr-Wing Lab	1	A	PILT 1150 Coreq: PILT 1250
PILT 1305	Recip Trans Rtr-Wing Lab	1	A	PILT 1150 Coreq: PILT 1250 and 1260
PILT 1315	Inst Rtr-Wing Cert Lab	2	A	
PILT 1400	Intro Air Traffic Control	3	F, Sp	
PILT 1420	Aircraft Systems	3	A	
PILT 2050	Aviation Meteorology	3	A	PILT 1150 and 2050
PILT 2445	Mntn Flying Rtr-Wing Lab	1	Su, F	
PILT 2470	Corporate/Business AV	1	F, SP	
	Aviation or Track Elective	1	A	

ELECTIVE RECOMMENDATIONS

COURSE		CR	SEM	PREREQUISITE
PILT 2405	Turbine Engine R/W	1	A	Any pilot flight course or instructor approval

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
CM	3	QS	3-4
PILT 1040	1	HR	2-3
PILT 1100	4	PILT 1155	2
PILT 1145	1	PILT 1250	3
PILT 1400	3	PILT 1265	1
PILT 1420	3	PILT 1305	1
PILT 2050	3	PILT 1315	2
ELEC	1	PILT 2445	1
		PILT 2470	2
Total	**19**	**Total**	**17-19**

Advising Notes: Students who need to take preparatory classes prior to entering the program should plan extra time to compete the program. High school curriculum in math, science and communication is recommended.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

Credit for Prior Experience: Any FAA Certification or Military training leading to certification must be reviewed by the department. Official copies of FAA Certification and/or Military training must be submitted for consideration. Private Certification or Private ground school experience may be substituted from the Major Course Requirements area after review or by any course work from any elective track within the Aerospace/Aviation Technology Degree.

AVIATION DISPATCH – CERTIFICATE OF COMPLETION[CTE] 37 credits minimum

Aerospace/Aviation and Related Technologies Division
Westpointe Center, Salt Lake City, UT
General Information, (801) 957-4073
Program Information, (801) 957-2055
http://www.slcc.edu/professionalpilot/
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Associate Professors – Fiona Silcox
Instructors – Erwin Zundel

NOTE: This program is pending approval by the Utah State Board of Regents. Students may apply for graduation in this program beginning Fall Semester 2012.

Program Description: The two-semester certificate of completion will provide students with the basic knowledge and skills needed to operate as an aircraft dispatcher for scheduled commercial operations in the United States. The program combines certification courses with technical and professional courses essential for success leading to FAA endorsement; FAA aircraft dispatch certification; aviation industry and scheduled aircraft operations; and human factors in the flight environment. Certificate requirements may be used as credit toward entry-level requirements for Aerospace Aviation Technology AS Degree.

Career Opportunities: After completing the program, students may find employment as a certified dispatcher in scheduled and non-scheduled corporate and commercial flight operations.

Program Entry Requirements: The minimum age for dispatch applicants is 21.

Estimated Cost for Students: The cost of tuition per semester may be found at http://www.slcc.edu/cashiering/tuitionfees.asp. The average cost per semester for books and supplies is $800. Most textbooks can be obtained from the College's bookstore, online, or are available at the pilot shop from the flight school on contract.

Estimated Time to Completion: 3 semesters minimum.

Specialized Accreditation: FAA approved Part 65 Dispatch Program.

NOTE: This program is **not** eligible for financial aid.

Program Objectives: The FAA Approved Part 65 Dispatch Program prepared student to earn a Dispatch Certification. The student must demonstrate through knowledge tests, practical tests, and show through appropriate records that he/she meets the knowledge, skill, and experience requirement necessary. All program courses require a grade of C or higher to be considered a passing grade. Students enrolled in the Dispatch track must have a cumulative GPA of 3.0 to be recommended to take the FAA Practical exam.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
General Education 1. Basic communication 2. Writing 3. Human Relations 4. General Education Distribution 5. Quantitative literacy	1, 2, 3, 4, 5
1.1 At the completion of the FAA Part 141 certification course students will be given an exam covering FAA Part 141 Private Pilot knowledge	1

areas.	
1.2 At the completion of the FAA Part 141 certification course students will be given an exam covering FAA Part 141 Instrument Pilot knowledge areas.	1
2.1 Students will be complete a written term paper covering an aviation associated concept.	2
2.2 Students will be perform an oral presentation covering an aviation associated concept.	2
3.1 Students will perform basic aircraft weight and balance application problems.	3
4.1 Students will complete an aviation accident evaluation and apply human factor concepts to the evaluation.	4

GENERAL EDUCATION REQUIREMENTS

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

QUANTITATIVE STUDIES (QS) 3-4 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved QS course			

NOTE: Students who may want to pursue an AS degree in the future should take an approved Quantitative Literacy (QL) course, such as MATH 1030, MATH 1040, or MATH 1050.

REQUIRED COURSES: (29 CREDITS)

COURSE		CR	SEM	PREREQUISITE
PILT 1100	Private Pilot Ground School	4	A	Coreq: PILT 1110, 1115 1140 or 1145
PILT 1110	Priv Pilt FW Sim Lab	1	A	
PILT 1250	Instrument Ground School	3	A	PILT 1150 or 1155
PILT 1400	Intro to ATC	3	F, Sp	
PILT 1420	Aircraft Systems	3	A	
PILT 2050	Aviation Meteorology	3	A	
PILT 2310	Human Factors and Safety	3	A	None
PILT ____	Aviation Elective	1	A	See Catalog Course Descriptions
DISP 1010	Regs, A/C Systems & Proced	3	F, Sp	PILT 1100, 1400, 2050 or concurrent w/ PILT 1100, 1400 and 2050
DISP 1300	Dispatch Applications	5	F,SP	PILT 1100, 1400, 2050 and DISP 1010; can be taken concurrent w/DISP 1010

ELECTIVE RECOMMENDATIONS:

COURSE		CR	SEM	PREREQUISITE
PILT 2150	ATP Prep	1	F, Sp	

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
PILT 1100	4	CM	3
PILT 1110	1	HR	2-3
PILT 1400	3	PILT 1250	3
PILT 1420	3	PILT 2050	3
PILT 2310	3	DISP 1010	3
Total	**14**	**Total**	**14-15**
SUMMER SEMESTER			
QS	3-4		

DISP 130	5
PILT ELEC	1
Total	**9-10**

Advising Notes: Students who need to take preparatory classes prior to entering the program should plan extra time to compete the program. High school curriculum in math, science and communication is recommended.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

Credit for Prior Experience: Any FAA Certification or Military training leading to certification must be reviewed by the department. Official copies of FAA Certification and/or Military training must be submitted for consideration. Private Certification or Private ground school experience may be substituted from the Major Course Requirements area after review or by any course work from any elective track within the Aerospace/Aviation Technology Degree.

COMMERICAL FIXED WING – CERTIFICATE OF COMPLETION[CTE] 38 credits minimum

Aerospace/Aviation and Related Technologies Division
Westpointe Center, Salt Lake City, UT
General Information, (801) 957-4073
Program Information, (801) 957-2055
http://www.slcc.edu/professionalpilot/
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Associate Professors – Fiona Silcox
Instructors – Erwin Zundel

Program Description: The two-semester certificate of completion will provide students with the basic knowledge and skills needed to operate aircraft for commercial operations in the United States. The program combines flight training with technical and professional courses essential for success to include flight training leading to FAA rating and endorsements; Commercial Pilot; CFI, CFI/Instrument; aviation industry operations; and human factors in the flight environment. Certificate requirements may be used as credit toward entry-level requirements for Aerospace Aviation Technology AS Degree or toward commercial rating.

Career Opportunities: Career opportunities within the aerospace and aviation industry for pilots include, but are not limited to: U.S. Military, U.S. Customs and Border Protection, Division of Wildlife, Commercial flight operations (flight instructing, scenic tours, cargo, charter, firefighting, parajumpers, trafficwatch), Major Commercial flight operations (regional and major airlines), and private corporate flight departments.

Transfer/Articulation Information: Students who may choose to pursue an AS degree in the future should take courses that meet general education requirements for an AS degree in Aerospace/Aviation.

Program Entry Requirements: Minimum age is 17 for pilot applicants. English literacy in reading and speaking is required. Physical condition must be certified by an FAA Medical Examiner for pilot applicants. A minimum of a Class II or physical exam is required at the approximate cost of $70. To find a Designated Pilot Examiner (DPE) for a Class II Medical Exam please visit the FAA website at http://www.faa.gov/pilots/amelocator/ . The physical exam must be completed prior to the first flight lesson. Financial Aid is available for eligible students and must be applied for at least 3 months prior to anticipated need.

Students should possess a strong desire to succeed in each and every endeavor, be willing to devote themselves 100% to a challenging academic and in-flight curriculum and be willing to pursue an active career in a dynamic and fast-paced industry.

Strong, consistent performance in basic high school studies and good overall physical health will adequately prepare students for success in the SLCC program and overall aviation industry.

Students may start this program Fall, Spring or Summer semester. For information on getting started, please visit http://www.slcc.edu/gettingstarted/index.asp

Total Program/Course Fees: In addition to tuition and fees, students will pay a special fee for pilot flight labs. This fee is based on the national average flight training required for the particular certificate. Flight lab fees may vary due to individual abilities and aircraft equipment selected. Contact program faculty for more information on flight lab fees. Federal Aviation Administration knowledge exams and practical test flights for pilot certifications are separate costs.

Estimated Cost for Students: The cost of tuition per semester may be found at http://www.slcc.edu/cashiering/tuitionfees.asp. The average cost per semester for books and supplies is $250. Most textbooks can be obtained from the College's bookstore, online, or are available at the pilot shop from the flight school on contract.

Estimated Time to Completion: 3 semesters minimum

Specialized Accreditation: FAA-approved Part 141 flight program

Program Objectives: The FAA-approved Part 141 flight program prepares students to earn the following certificates: Private Pilot Certificate, Instrument Rating, Commercial Certificate, Certified Flight Instructor, Certified Flight Instructor Instrument,

Multi-Engine Instructor, Rotor Wing or Fixed Wing, and Airline Transport Pilot. The student must demonstrate through knowledge tests, practical tests, and show through appropriate records that he/she meets the knowledge, skill, and experience requirement necessary. The various stages are complete when the student has completed written exams with a minimum passing score of 70%. All program courses require a grade of a C or higher to be considered a passing grade.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students will acquire substantial knowledge of Instrument, Commercial, Flight Instructor, and Fundamentals of Instructing aeronautical knowledge areas contained in FAA Part 141 curriculum. Students will demonstrate proficiency skills in Instrument, Commercial, Flight Instructor, and Fundamentals of Instructing flight operations areas contained in FAA Part 141 curriculum	1
2. Students will demonstrate effective written communication skills	2
3. Students will demonstrate quantitative literacy skills	3
4. Students will show how to think critically	4

GENERAL EDUCATION REQUIREMENTS

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved QS course			

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

REQUIRED COURSES: (30 CREDITS)

COURSE		CR	SEM	PREREQUISITE
PILT 1010	Air Transportation	3	F, Sp	
PILT 1250	Instrument Ground School	3	A	PILT 1150 or 1155
PILT 1260	Inst Sim Fxd-Wing Lab	1	A	PILT 1150 Coreq: PILT 1250
PILT 1300	Inst Cert Fxd-Wing Lab	3	A	Coreq: PILT 1250
PILT 2050	Aviation Meteorology	3	A	
PILT 2100	Commercial Ground	3	A	PILT 1150 and 1250. Coreq: PILT 2205
PILT 2200	Cross Country F/W Lab	2	A	Coreq: PILT 1300 or PILT 2100
PILT 2210	Multi-Eng Grnd School	1	A	PILT 1150. Coreq: PILT 2220
PILT 2220	FW Eng F/W Add-on Lab	1	A	PILT 1150 or instructor approval
PILT 2240	Com Pilt F/W Cert Lab	2	A	PILT 2200
PILT 2300	CFI/Airplane Lab	1	A	PILT 2240. Coreq: PILT 2340
PILT 2310	Human Factors & Safety	3	F, Sp	
PILT 2340	CFI Ground School	3	A	PILT 2100
PILT 2350	CFI/Instru Fxd-Wing Lab	1	A	PILT 2300

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
PILT 1010	3	CM	3
PILT 2310	3	QS	3-4
PILT 2050	3	HR	2-3
PILT 2100	3	PILT 2300	1
PILT 2200	2	PILT 2340	3
PILT 2240	2	PILT 2350	1
Total	**16**	**Total**	**13-15**
SUMMER SEMESTER			
PILT 1250	3		
PILT 1260	1		
PILT 1300	3		
PILT 2210	1		
PILT 2220	1		
Total	**9**		

Advising Notes: Students who need to take preparatory classes prior to entering the program should plan extra time to compete the program. High school curriculum in math, science and communication is recommended.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

Credit for Prior Experience: Any FAA Certification or Military training leading to certification must be reviewed by the department. Official copies of FAA Certification and/or Military training must be submitted for consideration. Private Certification or Private ground school experience may be substituted from the Major Course Requirements area after review or by any course work from any elective track within the Aerospace/Aviation Technology Degree.

COMMERICAL ROTOR WING – CERTIFICATE OF COMPLETION[CTE] 38 credits minimum

Aerospace/Aviation and Related Technologies Division
Westpointe Center, Salt Lake City, UT
General Information, (801) 957-4073
Program Information, (801) 957-2055
http://www.slcc.edu/professionalpilot/
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Associate Professors – Fiona Silcox
Instructors – Erwin Zundel

Program Description: The two-semester certificate of completion will provide students with the basic knowledge and skills needed to operate rotor-wing aircraft for commercial operations in the United States. The program combines flight training with technical and professional courses essential for success to include flight training leading to FAA rating and endorsements; Commercial Pilot; CFI, CFI/Instrument; utility operations; turbine engine; aviation industry operations; and human factors in the flight environment. Certificate requirements may be used as credit toward entry-level requirements for Aerospace Aviation Technology AS Degree or toward commercial rating.

Career Opportunities: Career opportunities within the aerospace and aviation industry for pilots include, but are not limited to: U.S. Military, U.S. Customs and Border Protection, Division of Wildlife, Commercial flight operations (flight instructing, scenic tours, cargo, charter, firefighting, parajumpers, trafficwatch), and private corporate flight departments.

Transfer/Articulation Information: Students who may choose to pursue an AS degree in the future should take courses that meet general education requirements for an AS degree in Aerospace/Aviation.

Program Entry Requirements: Minimum age is 17 for pilot applicants. English literacy in reading and speaking is required. Physical condition must be certified by an FAA Medical Examiner for pilot applicants. A minimum of a Class II or physical exam is required at the approximate cost of $70. To find a Designated Pilot Examiner (DPE) for a Class II Medical Exam please visit the FAA website at http://www.faa.gov/pilots/amelocator/ . The physical exam must be completed prior to the first flight lesson. Financial Aid is available for eligible students and must be applied for at least 3 months prior to anticipated need.

Students should possess a strong desire to succeed in each and every endeavor, be willing to devote themselves 100% to a challenging academic and in-flight curriculum and be willing to pursue an active career in a dynamic and fast-paced industry.

Strong, consistent performance in basic high school studies and good overall physical health will adequately prepare students for success in the SLCC program and overall aviation industry.

Students may start this program Fall, Spring or Summer semester. For information on getting started, please visit http://www.slcc.edu/gettingstarted/index.asp.

Total Program/Course Fees: In addition to tuition and fees, students will pay a special fee for pilot flight labs. This fee is based on the national average flight training required for the particular certificate. Flight lab fees may vary due to individual abilities and aircraft equipment selected. Contact program faculty for more information on flight lab fees. Federal Aviation Administration knowledge exams and practical test flights for pilot certifications are separate costs.

Estimated Cost for Students: The cost of tuition per semester may be found at http://www.slcc.edu/cashiering/tuitionfees.asp. The average cost per semester for books and supplies is $250. Most textbooks can be obtained from the College's bookstore, online, or are available at the pilot shop from the flight school on contract.

Estimated Time to Completion: 3 semesters minimum

Specialized Accreditation: FAA-approved Part 141 flight program

Program Objectives: The FAA-approved Part 141 flight program prepares students to earn the following certificates: Private Pilot Certificate, Instrument Rating, Commercial Certificate, Certified Flight Instructor, Certified Flight Instructor Instrument, Multi-Engine Instructor, Rotor Wing or Fixed Wing, and Airline Transport Pilot. The student must demonstrate through

knowledge tests, practical tests, and show through appropriate records that he/she meets the knowledge, skill, and experience requirement necessary. The various stages are complete when the student has completed written exams with a minimum passing score of 70%. All program courses require a grade of a C or higher to be considered a passing grade.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students will acquire substantial knowledge of Instrument, Commercial, Flight Instructor, and Fundamentals of Instructing aeronautical knowledge areas contained in FAA Part 141 curriculum. Students will demonstrate proficiency skills in Instrument, Commercial, Flight Instructor, and Fundamentals of Instructing flight operations areas contained in FAA Part 141 curriculum	1
2. Students will demonstrate effective written communication skills	2
3. Students will demonstrate quantitative literacy skills	3
4. Students will show how to think critically	4

GENERAL EDUCATION REQUIREMENTS

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved QS course			

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

REQUIRED COURSES: (30 CREDITS)

COURSE		CR	SEM	PREREQUISITE
PILT 1010	Air Transportation	3	F, Sp	
PILT 1250	Instrument Grnd School	3	A	PILT 1150 or 1155.
PILT 1265	Inst Sim Rtr-Wing Lab	1	A	PILT 1155. Coreq: PILT 1250
PILT 1305	Recip Trans R/W Lab	1	A	PILT 1155
PILT 1315	Inst R/W Cert Lab	2	A	PILT 1250
PILT 2050	Aviation Meteorology	3	A	
PILT 2100	Commercial Ground	3	A	PILT 1155 and 1250. Coreq: PILT 2205
PILT 2205	Cross Country R/W Lab	2	A	PILT 1315. Coreq: PILT 2100
PILT 2245	Com Pilt R/W Cert Lab	2	A	PILT 2205
PILT 2305	CFI/Rotor-Wing	1	A	PILT 2245. Coreq: PILT 2340
PILT 2310	Human Factors & Safety	3	F Sp	
PILT 2340	CFI Ground School	3	A	PILT 2100
PILT 2355	CFI/Instru Rtr-Wing Lab	1	A	PILT 2305
PILT 2405	Turbine Eng Rtr-Wing Lab	1	A	PILT 1145
PILT 2455	Utility Oper Rtr-Wing Lab	1	Su, F	PILT 2245

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
CM	3	PILT 1250	3
PILT 1010	3	PILT 1265	1
PILT 2310	3	PILT 1305	1
PILT 2100	3	PILT 1315	2
PILT 2205	2	PILT 2050	3
PILT 2245	2	PILT 2305	1
		PILT 2340	3
		PILT 2355	1
Total	**16**	**Total**	**15**
SUMMER SEMESTER			
HR	2-3		
QS	3-4		
PILT 2405	1		
PILT 2455	1		
Total	**7-9**		

Advising Notes: Students who need to take preparatory classes prior to entering the program should plan extra time to compete the program. High school curriculum in math, science and communication is recommended.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

Credit for Prior Experience: Any FAA Certification or Military training leading to certification must be reviewed by the department. Official copies of FAA Certification and/or Military training must be submitted for consideration. Private Certification or Private ground school experience may be substituted from the Major Course Requirements area after review or by any course work from any elective track within the Aerospace/Aviation Technology Degree.

AMERICAN SIGN LANGUAGE – ASSOCIATE OF ARTS (AA) 63 credits minimum

Humanities, Language and Culture Department
Taylorsville Redwood Campus, AD 145
General Information, (801) 957-4073
Department Secretary, (801) 957-4929 VP
http://www.slcc.edu/asl
Academic Advisor, TB 315, (801) 957-3866

Department Chair: Paul Allen

Program Faculty:
Assistant Professors – Connie Spanton-Jex
Instructors – Duane Kinner

Program Description: The Department of American Sign Language offers courses in language, literature and culture that enable students to complete an institutional requirement of Language (LN) as well as an Associate of Arts degree. We prepare students to function effectively in the Deaf community using American Sign Language while gaining an understanding and appreciation of humanistic ideals and values.

Career Opportunities: Upon the completion of the ASL Program, students will be well suited for complementary studies in Education, Deaf Studies, medical fields, sales fields, acting, and ASL/English Interpreting. The program will provide students with a strong foundation in American Sign Language and Deaf culture.

Transfer/Articulation Information: Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Estimated Cost for Students: $500

Estimated Time to Completion: If students follow the suggested sample schedule, completion time is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
Students will be able to use American Sign Language with sufficient structural accuracy to communicate in most formal and informal conversations regarding day-to-day activities, social and professional topics.	1 – Substantive Knowledge 2 – Communicate Effectively 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
Students will be able to use American Sign Language for descriptive, expository, dialogue, procedural, informational, persuasive, and narrative discourse.	1, 2, 4, 5
Students will be able to act with respect, knowledge and understanding of Deaf people and ASL, with an appreciation for their linguistic and cultural diversity, values, and social customs	1, 2, 4, 5
Students will demonstrate understanding of Deaf people from diverse backgrounds, including difference in language use, communication modes, age, gender and ethnic identity.	1, 2, 4, 5
Students will be able to identify their own cultural values and social customs and compare/contrast them with those of the Deaf community in the United States and with other cultural groups.	1, 2, 4, 5
Students will be able to demonstrate understanding of the implications of cultural differences such as collectivism and individualism and high and low context cultures.	1, 2, 4, 5
Students will demonstrate critical thinking and problem solving skills that will aid in continual language development, cultural competencies, and lifetime learning.	1, 2, 4, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better
OR				
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) CHOOSE ONE COURSE (3-4 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
MATH 1030	Quantitative Reasoning	3	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score
OR				
Any approved QL course				

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
For this program, students may select an additional DV course	3	A	

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3
Physical Science (PS)	3

LANGUAGE (LN) 5 CREDITS

COURSE		CR	SEM	PREREQUISITE
ASL 1020	Beginning ASL II	5	F, Sp	ASL 1010

NOTE: *In the event a student can document a hearing loss and demonstrate ASL is their first language, it is possible to take an additional ENGL 2000+ course after ENGL 1010 and 2010 and count it as the (AA) Language requirement. Other options may be available, contact the American Sign Language Department for details.

For students with demonstrated proficiency in American Sign Language, it is possible to enroll directly in more advanced courses with instructor approval. Upon completion of that course with a grade of B or higher, students can petition for credit for the first-year courses bypassed.

REQUIRED COURSES: (12 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ASL 2010	Intermediate ASL I	4	F, Sp	ASL 1020
ASL 2020	Intermediate ASL II	4	F, Sp	ASL 2010
ASL 2100	Proficiency Development	4	F	ASL 2020

PROGRAM ELECTIVE COURSES: (SELECT 9 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
ASL 1300	Conversation I	1	F	ASL 1020
ASL 1900	Ind Studies Spec Projects	1-3		ASL 1020
ASL 2300	Conversation II	1	Sp	ASL 2020
ASL 2400	Topics in ASL	1-3	Sp	ASL 2010
ASL 2700	Intro to ASL Literature	3	F	ASL 2010
ASL 2710	Intro to Deaf Art/Film	3	Sp	ASL 2010
ASL 2750	Topics in Deaf Culture	1-3	Sp	ASL 2010
ASL 2900	Special Topics	1-3		ASL 2010

ELECTIVE COURSES: (SELECT 3 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
THEA 1033	Basic Acting	3	F, Sp	
ENGL 1050	Rdg Contmp Cltr(HU,DV)	3	A	
ENGL 2030	Language in Society(HU,DV)	3	F, Sp	ENGL 1010 w/C grade or better
ENGL 2760	Gender Cultral Stdy(HU,DV)	3	Sp	
ENGL 2850	GLBT Studies(HU,DV)	3	A	
COMM 2110	Interpersonal Comm(ID)	3	A	
COMM 2150	Intercultural Comm(ID,DV)	3	A	
DANC 1200	Intro to Modern Dance(FA)	3	F, Sp	
DANC 1500	Intro to Jazz Dance (FA)	3	F, Sp	

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ASL 1020	5	ASL 2010	4
THEA 1033	3	ASL 1900	3
ENG 1010	3	ENG 2010	3
LW	1	DISTRIBUTION (2)	6
QL	3		
Total	**15**	**Total**	**16**
FALL SEMESTER		**SPRING SEMESTER**	
ASL 2020	4	ASL 2100	4
STUDENT CHOICE	3	ASL 2700	3
DISTRIBUTION (2)	6	DISTRIBUTION (2)	6
AI	3	ASL 2400	3
Total	**16**	**Total**	**16**

Advising Notes: Students already possessing fluent ASL skills or previous interpreting experience may be eligible for the American Sign Language/English Interpreting program. If students intend to enter the ASL English Interpreting program, a "B-" grade or better is required in all ASL courses. For more information contact Connie Spanton-Jex at (801) 957-4642.

AMERICAL SIGN LANGUAGE/ENGLISH INTERPRETING – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 70 credits minimum

Humanities, Language and Culture Department
Taylorsville Redwood Campus
General Information, (801) 957-4073
Program Information, (801) 957-4642
http://www.slcc.edu/asl
Academic Advisor, TB 315, (801) 957-3866

Department Chair: Paul Allen

Program Faculty:
Assistant Professors – Connie Spanton-Jex
Instructors – Duane Kinner

Program Description: The ASL/English Interpreting program is designed to prepare new and returning students for state and national certification testing. Obtaining certification can lead to employment in the rapidly expanding and rewarding field of ASL/English Interpreting. After successful completion of the program, students must apply for and pass the Utah State Interpreter Certification exam, National Interpreter Certification and/or the Educational Interpreter Performance Assessment to work as a professional interpreter. The ASL/English Interpreter Education Program will prepare students to test for the Utah Professional Certification, National Interpreter Certification and/or the Educational Interpreter Performance Assessment. As of July 1, 2012, candidates must have a bachelor's degree (in any field) to sit for the National Interpreter Certification exam. Utah Professional Certification and Educational Interpreter Certification do not require a bachelor's degree.

Transfer/Articulation Information: While an AAS is typically a terminal degree, graduates of SLCC's ASL/English Interpreting program can continue their studies at a four year institution by completing that institution's residency and upper-division requirements because they have completed their entire general education core at SLCC. SLCC has identified a number of good transfer options within USHE and will advise students accordingly.

Program Entry Requirements: In accordance with SLCC admissions requirements, students must possess a high school diploma or equivalent before matriculating into the ASL/English Interpreting program.

In addition, students must demonstrate ASL proficiency at the ASL 2020 level or higher before enrolling in interpreting coursework (INTR 1100 and beyond). Students who successfully pass ASL 2020 with a B or better or demonstrate ASL proficiency at the 2020 level using standard department procedures will satisfy the ASL prerequisites. Students who are not yet proficient in ASL at the 2020 level will not be able to complete the AAS in ASL/English Interpreting in the two years typically expected for an associate's degree because of the additional time required to become language proficient. Such students may want to consider completing an Associate of Science transfer degree with a pre-major in American Sign Language before pursuing a degree in ASL/English Interpreting at the associate's or bachelor's level.

Entrance into the ASL English Interpreting program requires prerequisites and an application. All prerequisite courses must be completed with a “B-“ grade or better. For application information, please contact the ASL Department or the ASL Academic Advisor.

Total Program/Course Fees: $60

Estimated Cost for Students: $1200

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is five semesters.

Specialized Accreditation: SLCC is currently seeking accreditation from the Collegiate Council on Interpreter Education (CCIE).

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1. Students will demonstrate broad general knowledge in many diverse fields in order to interpret in varied work environments.	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
2. Students will sufficiently master program-specific, professional knowledge and demonstrate proficiency by discussing historical, linguistic and cultural issues as well as professional standards and roles for an ASL/English Interpreter.	1, 2, 4, 5
3. Students will sufficiently master program-specific, professional education competencies and demonstrate proficiency by effectively interpreting from ASL to English and English to ASL.	1, 2, 4, 5
4. Students will have completed in-depth internship experiences.	1, 2, 4, 5
5. Students will demonstrate critical thinking and problem-solving skills that can be applied to interpreting work to enhance language fluency.	2, 4
6. Students will obtain state and/or national certification (Utah Certification, EIPA, NIC).	1, 2, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better
OR				
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) CHOOSE ONE COURSE (3-4 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
MATH 1030	Quantitative Reasoning	3	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score

OR

Any approved QL course

AMERICAN INSTITUTIONS (AI) CHOOSE ONE COURSE (3 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1020	Principles Public Speaking	3	A	

DISTRIBUTION AREAS:

Complete the following Interdisciplinary/Diversity (ID/DV) course:

COURSE		CR	SEM	PREREQUISITE
COMM 2150	Intercultural Comm	3	A	

Choose one course (three credit hours) from each of the following distribution areas.

COURSE	CR	SEM	PREREQUISITE
Biological Science (BS)	3-4		
Fine Arts (FA)	3-4		
Humanities (HU)	3		
Physical Science (PS)	3		
Social Science (SS)	3		

REQUIRED COURSES: (32 CREDITS)

COURSE		CR	SEM	PREREQUISITE
INTR 1000	Intro to Interpreting	1	A	
INTR 1100	Connect to Community I	1	F	Acceptance to the INTR program
INTR 1110	Connect to Community II	1	Sp	INTR 1100
INTR 1200	Interpreting I	5	F	Acceptance to the INTR program
INTR 1300	Ethics/Prof Standards	3	F	Acceptance to the INTR program
INTR 1400	Interpreting II	5	Sp	INTR 1200
INTR 1500	Comparative Linguistics	3	Sp	INTR 1200; Coreq: INTR 1400
INTR 1600	Internship I	2	F	INTR 1400
INTR 2000	Research	1	F, Su	INTR 1400
INTR 2100	Connect to Community III	1	F	INTR 1110
INTR 2200	Interpreting III	5	F	INTR 1400
INTR 2400	Interpreting IV	2	Sp	INTR 2200
INTR 2600	Internship II	2	Sp	INTR 2400

ELECTIVE COURSES: (SELECT 4 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
INTR 1900	Ind Studies/Special Project	1-2	TBA	INTR 1400 and instructor approval
INTR 2900	Special Studies	1-2	A	INTR 2200 and instructor approval
INTR 2910	Educational Interpreting	2	F	INTR 1400
INTR 2920	VRS Interpreting	2	Sp	INTR 2200
INTR 2930	Community Interpreting	2	Su	INTR 1400

SAMPLE SCHEDULE

SUMMER SEMESTER			
INTR 1000	1		
COMM 1020	3		
ENGL 1010	3		
SS DISTRIBUTION	3		
Total	**10**		
FALL SEMESTER		**SPRING SEMESTER**	
INTR 1100	1	INTR 1110	1
INTR 1200	5	INTR 1400	5
INTR 1300	3	INTR 1500	3
ENGL 2010	3	COMM 2150	3
QL	3	PS DISTRIBUTION	3
Total	**15**	**Total**	**15**
FALL SEMESTER		**SPRING SEMESTER**	
INTR 2100	1	INTR 2400	2
INTR 2200	5	INTR 2600	2
INTR 1600	2	INTR ELEC	2
INTR 2000	1	INTR ELEC	2
AI	3	HU DISTRIBUTION	3
BS DISTRIBUTION	3	FA DISTRIBUTION	3
		LW	1
Total	**15**	**Total**	**15**

Additional Program Notes: All ASL/English Interpreting coursework must be completed with a "B-" grade or better. A student receiving a grade of C+ or lower will not be allowed to continue the program. For more information contact Connie Spanton-Jex at (801) 957-4642.

ANTHROPOLOGY – ASSOCIATE OF ARTS (AA) 63 credits minimum

History, Anthropology and Political Science Department
Taylorsville Redwood Campus, CT 262/CT 266
General Information, (801) 957-4073
Department Admin Assistant, (801) 957-4307
http://www.slcc.edu/history/index.asp
Academic Advisor, TB 315, (801) 957-3866

Department Chair: Marianne McKnight, (801) 957-4547

Program Faculty:
Assistant Professors – James Dykman, Jude Higgins

Program Description: Anthropology is the study of humanity. Anthropology is distinguished from other disciplines by its emphasis on a holistic approach to the study of human behavior. Anthropologists consider culture, history, language, and biology essential for a complete understanding of humankind. The History and Anthropology Department provides a wide variety of courses that range from general surveys to specialized topics. The program goes far beyond an emphasis on coverage and content; it is designed to teach students to think critically, and communicate effectively. Additionally, most core course requirements carry the General Education designation. This means that this program is also a vehicle for students to broaden their perspectives and deepen their understandings of the world around them.

Career Opportunities: See http://www.slcc.edu/history/index.asp for updated career opportunities and information.

Transfer/Articulation Information: Students who complete the program will transfer more easily to other Anthropology Programs across the State of Utah. The following institutions offer BA and/or BS degrees in Anthropology: University of Utah, Utah State University, Brigham Young University, Utah Valley University, and Weber State University. Students who complete the Anthropology AA at SLCC may satisfy pre-major courses for all of these programs.

Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Estimated Cost for Students: $100-$150 for textbooks per semester.

Estimated Time to Completion: If students follow the suggested sample schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
Students will **acquire substantive knowledge** of: a) the similarities and differences of diverse cultures b) archaeological techniques, methods and theories that anthropologists rely upon to reconstruct the past life ways in order to understand cultural adaptation to various environments c) cultural approaches to the study of indigenous narratives and stories d) ethnographic data collection and analysis	1 – Substantive Knowledge
Students will **speak and write analytically and comparatively** about anthropological themes, theories, methods, interpretations, arguments and ideas in a skilled and respectful manner	2 – Communicate Effectively
Students will **think critically** when they: a) gather, identify, differentiate and analyze ethnographic data b) evaluate different anthropological approaches and arguments.	4 – Think Critically

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better
OR				
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) CHOOSE ONE COURSE (3-4 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
MATH 1040	Intro to Statistics	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score
OR				
Any approved QL course				

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3
Physical Science (PS)	3

NOTE: Students pursuing the Anthropology program may not use ANTH 1020 to fulfill the Biological Sciences (BS) Distribution requirement.

LANGUAGE (LN) 5 CREDITS

COURSE		CR	SEM	PREREQUISITE
LANG 1020	(LN)	5		LANG 1010

NOTE: *LANG prefix does not exist—that prefix would be replaced by the prefix for the individual language chosen: ARB, CHI, FRN, GER, ITL,JPN, NAV, POR, RUS, SAM, SPN, TNG

REQUIRED COURSES: (9 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ANTH 1010	Culture & Human Exper(ID)	3	A	
ANTH 1020	Human Origins (BS)	3	A	
ANTH 1030	Intro to Archaeology(ID)	3	A	

PROGRAM COURSE ELECTIVES: (SELECT 1 COURSE FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
ANTH 2011	People & Cultures SW(HU)	3	F	
ANTH 2120	Sacred Traditions(HU)	3	Sp	
HIST 2600	Native Amer Voices(SS,DV)	3	Sp	
HIST 2800	Utah Diverse Heritg (SS,DV)	3	F, Sp	

ANTHROPOLOGY & ALLIED FIELD ELECTIVES: (6 CREDITS)

Select 6 credits from the following courses or other courses as approved by department.

COURSE		CR	SEM	PREREQUISITE
ANTH 2011	People & Cultures SW(HU)	3	F	
ANTH 2120	Sacred Traditions(HU)	3	Sp	
HIST 1300	Colonial Latin America(SS)	3	F	
HIST 1310	Modern Latin America(SS)	3	Sp	
HIST 1450	Early Middle East(SS)	3	F	
HIST 1460	Modern Middle East(SS)	3	Sp	
HIST 1500	World History to 1500(SS)	3	F, Sp	
HIST 1510	World Hist Since 1500(SS)	3	F, SP	
HIST 2120	Sacred Traditions(HU)	3	Sp	
HIST 2600	Native Amer Voices(SS,DV)	3	Sp	
HIST 2800	Utah Diverse Heritg (SS,DV)	3	F, Sp	
BIOL 2030	Genetics	4	F, SP	BIOL 1610 w/C grade or better AND CHEM 1210 w/C grade or better. Coreq: BIOL 2035
EDU 2150	Intro to Multicultural Ed	3	F, Sp	
ENGL 2810	Native Amer Lit/Exp(HU,DV)	3	Sp*	ENGL 1010 w/C grade or better
GEOG 1400	Human Geography (ID)	3	F, Sp	

*Course taught Spring semesters in odd years

ADDITIONAL ELECTIVES: (6 CREDITS)

Select 6 credits from any college level courses numbered 1000 or above.

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ANTH 1010	3	ANTH 1020	3
ENGL 1010	3	ENGL 2010	3
DISTRIBUTION	3	MATH 1040	3
LANG 1010 OR ELEC	3-5	AI	3
HLAC	1	LANG 1020	5
Total	**13-15**	**Total**	**17**
FALL SEMESTER		**SPRING SEMESTER**	
ANTH 1030	3	ANTH ELEC	3
ANTH ELEC	3	STUDENT CHOICE	3
PROG ELEC	3	DISTRIBUTION (3)	9
DISTRIBUTION (2)	6		
ELEC	3		
Total	**18**	**Total**	**15**

Advising Notes: It is recommended students take *MATH 1040: Intro to Statistics* as QL course.

ANTHROPOLOGY – ASSOCIATE OF SCIENCE (AS) 61 credits minimum

History, Anthropology and Political Science Department
Taylorsville Redwood Campus, CT 262/CT 266
General Information, (801) 957-4073
Department Admin Assistant, (801) 957-4307
http://www.slcc.edu/history/index.asp
Academic Advisor, TB 315, (801) 957-3866

Department Chair: Marianne McKnight, (801) 957-4547

Program Faculty:
Assistant Professors – James Dykman, Jude Higgins

Program Description: Anthropology is the study of humanity. Anthropology is distinguished from other disciplines by its emphasis on a holistic approach to the study of human behavior. Anthropologists consider culture, history, language, and biology essential for a complete understanding of humankind. The History and Anthropology Department provides a wide variety of courses that range from general surveys to specialized topics. The program goes far beyond an emphasis on coverage and content; it is designed to teach students to think critically, and communicate effectively. Additionally, most core course requirements carry the General Education designation. This means that this program is also a vehicle for students to broaden their perspectives and deepen their understandings of the world around them.

Career Opportunities: See http://www.slcc.edu/history/index.asp for updated career opportunities and information.

Transfer/Articulation Information: Students who complete the program will transfer more easily to other Anthropology Programs across the State of Utah. The following institutions offer BA and/or BS degrees in Anthropology: University of Utah, Utah State University, Brigham Young University, Utah Valley University, and Weber State University. Students who complete the Anthropology AS at SLCC may satisfy pre-major courses for all of these programs.

Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Estimated Cost for Students: $100-$150 for textbooks per semester.

Estimated Time to Completion: If students follow the suggested sample schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
Students will **acquire substantive knowledge** of: a) the similarities and differences of diverse cultures b) archaeological techniques, methods and theories that anthropologists rely upon to reconstruct the past life ways in order to understand cultural adaptation to various environments c) cultural approaches to the study of indigenous narratives and stories d) ethnographic data collection and analysis	1 – Substantive Knowledge
Students will **speak and write analytically and comparatively** about anthropological themes, theories, methods, interpretations, arguments and ideas in a skilled and respectful manner	2 – Communicate Effectively
Students will **think critically** when they: a) gather, identify, differentiate and analyze ethnographic data b) evaluate different anthropological approaches and arguments.	4 – Think Critically

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better
OR				
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) CHOOSE ONE COURSE (3-4 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
MATH 1040	Intro to Statistics	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score
OR				
Any approved QL course				

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3
Physical Science (PS)	3

NOTE: Students pursuing the Anthropology program may not use ANTH 1020 to fulfill the Biological Sciences (BS) Distribution requirement.

REQUIRED COURSES: (9 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ANTH 1010	Culture & Human Exper(ID)	3	A	
ANTH 1020	Human Origins (BS)	3	A	
ANTH 1030	Intro to Archaeology(ID)	3	A	

PROGRAM COURSE ELECTIVES: (SELECT 1 COURSE FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
ANTH 2011	People & Cultures SW(HU)	3	F	
ANTH 2120	Sacred Traditions(HU)	3	Sp	
HIST 2600	Native Amer Voices(SS,DV)	3	Sp	
HIST 2800	Utah Diverse Heritg (SS,DV)	3	F, Sp	

ANTHROPOLOGY & ALLIED FIELD ELECTIVES: (12 CREDITS)

Select 12 credits from the following courses or other courses as approved by department.

COURSE		CR	SEM	PREREQUISITE
ANTH 2011	People & Cultures SW(HU)	3	F	
ANTH 2120	Sacred Traditions(HU)	3	Sp	
HIST 1300	Colonial Latin America(SS)	3	F	

HIST 1310	Modern Latin America(SS)	3	Sp	
HIST 1450	Early Middle East(SS)	3	F	
HIST 1460	Modern Middle East(SS)	3	Sp	
HIST 1500	World History to 1500(SS)	3	F, Sp	
HIST 1510	World Hist Since 1500(SS)	3	F, SP	
HIST 2120	Sacred Traditions(HU)	3	Sp	
HIST 2600	Native Amer Voices(SS,DV)	3	Sp	
HIST 2800	Utah Diverse Heritg (SS,DV)	3	F, Sp	
BIOL 2030	Genetics	4	F, SP	BIOL 1610 w/C grade or better AND CHEM 1210 w/C grade or better. Coreq: BIOL 2035
EDU 2150	Intro to Multicultural Ed	3	F, Sp	
ENGL 2810	Native Amer Lit/Exp(HU,DV)	3	Sp*	ENGL 1010 w/C grade or better
GEOG 1400	Human Geography (ID)	3	F, Sp	

*Course taught Spring semesters in odd years

ADDITIONAL ELECTIVES: (3 CREDITS)
Select 3 credits from any college level courses numbered 1000 or above.

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ANTH 1010	3	ANTH 1020	3
ENGL 1010	3	ENGL 2010	3
ANTH ELEC	3	ANTH ELEC	3
DISTRIBUTION	3	MATH 1040	3
STUDENT CHOICE	3	AI	3
HLAC	1		
Total	**16**	**Total**	**15**
FALL SEMESTER		**SPRING SEMESTER**	
ANTH 1030	3	ANTH ELEC	3
ANTH ELEC	3	ELEC	3
PROG ELEC	3	DISTRIBUTION (3)	9
DISTRIBUTION (2)	6		
Total	**15**	**Total**	**15**

Advising Notes: It is recommended students take *MATH 1040: Intro to Statistics* as QL course.

APPRENTICESHIP[CTE] BRICK MASON TECHNOLOGY – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 63 credits minimum

Apprenticeship Division
Taylorsville Redwood Campus, CT 226
General Information, (801) 957-4073
Program Information, (801) 957-4066
http://www.slcc.edu/apprenticeship
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Generally, Apprenticeship faculty members are chosen from journeymen who are working in the field with a minimum of six years experience. All instructors are hired as adjunct on a semester-by-semester basis.

Program Description: Brick Masons build walls, fireplaces, chimneys, arches, columns and other structures using brick, concrete, cinder block, stone, marble and other materials; the work is typically outdoors. Brick masons work to specific measurements and rigid specifications. The curriculum is developed by the National JATC and approved by the Federal Bureau of Apprenticeship and Training. This is a three year program requiring 6,000 hours of on-the-job training as well as 432 clock hours of related instruction.

The College provides classroom-related and supplemental instruction for apprenticeship programs. Classes are held in the days, evenings, and Saturdays, depending on the program. The College neither provides on-the-job training nor acts as a sponsor for apprentices. Individuals must locate their own sponsors. For individual industry-sponsored programs, students should contact their employers' training director or the Apprenticeship Office.

The Department of Labor Office of Apprenticeship is the federal registering agency for all Utah programs. For National credentials, students and sponsors need to be registered with the Federal Office of Apprenticeship, 125 South State Street, Suite 2412, Salt Lake City, UT 84138. Sponsors are encouraged to be registered with the Office of Apprenticeship.

Career Opportunities: Apprenticeship students are expected to be employed while participating in related training course work.

Transfer/Articulation Information: Students who earn an AAS degree in Apprenticeship – Brick Mason Technology have the option to transfer into the Technology Management Bachelor Degree at Utah Valley University. UVU will accept up to 45 technical credits towards this degree. Contact the University Center for current information at www.slcc.edu/universitycenter/programs or call (801) 957-4824.

Program Entry Requirements: All entering students must demonstrate competence for placement into MATH 0990 by scoring a minimum of 75 on the arithmetic portion and 40-53 on the algebra portion of the mathematics College Placement Test, or provide a transcript showing a grade of C or higher in MATH 0920 or MATH 0950 or completing APPR 1470 (Math for the Trades) with a grade of C or higher before registering for the Brick Mason program.

For information on getting started, please visit http://www.slcc.edu/gettingstarted/index.asp

Estimated Cost for Students: Tuition per semester: http://www.slcc.edu/cashiering/tuitionfees.asp

Note: Apprenticeship programs are **not** eligible for financial aid.

Estimated Time to Completion: Apprenticeship programs are composed of two parts: (1) on-the-job training is provided by a sponsor who exposes the apprentice to practical applications in all phases of a particular craft; (2) classroom-related instruction is designed to provide the apprentice with knowledge of theoretical and technical aspects of their craft. Total completion of an apprenticeship program will take up to five years, depending upon the craft.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
Students will achieve entry-level proficiency in all aspects of brick masonry as well as advanced training as work experience is added.	1, 2, 3, 4, 5
Students will be prepared to continue in the workforce having the necessary workplace skills.	2, 3, 4, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 5 CREDITS

COURSE		CR	SEM	PREREQUISITE
APPR 1470	Math for the Trades (QS)	5	A	

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (18 CREDITS)

Choose one course (three credits) from each of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (30 CREDITS)

COURSE		CR	SEM	PREREQUISITE
BLA 1110	Brick Layer IA	5	F	APPR 1470 w/C or better or MATH 0990 placement
BLA 1120	Brick Layer IB	5	Sp	BLA 1110 w/C or better
BLA 1210	Brick Layer IIA	5	F	BLA 1120 w/C or better
BLA 1220	Brick Layer IIB	5	Sp	BLA 1210 w/C or better
BLA 2310	Brick Layer IIIA	5	F	BLA 1220 w/C or better
BLA 2320	Brick Layer IIIB	5	Sp	BLA 2310 w/C or better

NOTE: BLA students may still be short credit hours after having completed the major course requirements and general education requirements. If so, additional credit hours from one of the distribution areas will be necessary to meet the 63 credit hour minimum for the AAS degree.

SAMPLE SCHEDULE*			
SUMMER SEMESTER			
STUDENTS SHOULD COMPLETE THE FOLLOWING COURSE TO BEGIN THE PROGRAM IN THE FALL:			
APPR 1470 (QS)	5	(If CPT score not adequate; required for AAS degree)	
TOTAL	**0-5**		
FALL SEMESTER		**SPRING SEMESTER**	
BLA 1110	5	BLA 1120	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
ENGL 1010	3		
CM	3		
ID	3-4		
Total	**9-10**		
FALL SEMESTER		**SPRING SEMESTER**	
BLA 1210	5	BLA 1220	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
BS	3-4		
HR	2-3		
HU	3		
TOTAL	**8-10**		
FALL SEMESTER		**SPRING SEMESTER**	
BLA 2310	5	BLA 2320	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
FA	3-4		
PS	3		
SS	3		
Total	**9-10**		

Advising Notes: Apprenticeship programs may require a math prerequisite. A grade of C or better is required in all core courses for passing and receiving clock hours. Some programs may have stricter requirements. Students should check their individual programs for more information on prerequisites and entrance requirements. Attendance is mandated by federal law and a student cannot pass a course if out of compliance.

Classes are to be taken in the sequence in which they are given. A student must complete each class with a C or higher grade to move onto the next level class. Failure to complete the necessary course work or to register in a timely manner for each class will add one full year to the apprentice's program.

Each course will be offered based on student enrollment. All Major BLA Course Requirements must be taken to complete the apprenticeship curriculum.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the Apprenticeship program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

*It is recommended to those students seeking the AAS degree to complete their General Education requirements in the summer semesters or the year following completion of all the Apprenticeship core courses.

Additional Program Note: A Certificate in Brick Mason Technology is also available. For more information about this certificate, contact the Apprenticeship Office, Taylorsville Redwood Campus, CT 226, (801) 957-4066.

APPRENTICESHIP[CTE] CARPENTRY INDEPENDENT TECHNOLOGY – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 63 credits minimum

Apprenticeship Division
Taylorsville Redwood Campus, CT 226
General Information, (801) 957-4073
Program Information, (801) 957-4066
http://www.slcc.edu/apprenticeship
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Generally, Apprenticeship faculty members are chosen from journeymen who are working in the field with a minimum of six years experience. All instructors are hired as adjunct on a semester-by-semester basis.

Program Description: Carpenters in the Independent program construct, remodel, alter or repair wood in combination with other material structures. Carpenters work with wood products, build concrete forms, platforms, structures and work in conjunction with other trades such as iron workers, brick masons and other craft workers. This program is a competency-based national curriculum requiring that all of the modules and 8,000 hours of on-the-job training be completed to sit for the comprehensive examination for a journeyman's certificate. Registration and certification will also be provided for those registered by the Bureau of Apprenticeship and Training.

The College provides classroom-related and supplemental instruction for apprenticeship programs. Classes are held in the days, evenings, and Saturdays, depending on the program. The College neither provides on-the-job training nor acts as a sponsor for apprentices. Individuals must locate their own sponsors. For individual industry-sponsored programs, students should contact their employers' training director or the Apprenticeship Office.

The Department of Labor Office of Apprenticeship is the federal registering agency for all Utah programs. For National credentials, students and sponsors need to be registered with the Federal Office of Apprenticeship, 125 South State Street, Suite 2412, Salt Lake City, UT 84138. Sponsors are encouraged to be registered with the Office of Apprenticeship.

Career Opportunities: Apprenticeship students are expected to be employed while participating in related training course work.

Transfer/Articulation Information: Students who earn an AAS degree in Carpentry Independent Technology have the option to transfer into the Technology Management Bachelor Degree at Utah Valley University. UVU will accept up to 45 technical credits towards this degree. Contact the University Center for current information at www.slcc.edu/universitycenter/programs or call (801) 957-4824.

Program Entry Requirements: All entering students must demonstrate competence for placement into MATH 0990 by scoring a minimum of 75 on the arithmetic portion and 40-53 on the algebra portion of the mathematics College Placement Test, or provide a transcript showing a grade of C or higher in MATH 0920 or MATH 0950 or completing CPI 1470 (Math for the Trades) with a grade of C or higher before registering for the carpentry independent program.

For information on getting started, please visit http://www.slcc.edu/gettingstarted/index.asp

Estimated Cost for Students: Tuition per semester: http://www.slcc.edu/cashiering/tuitionfees.asp

Note: Apprenticeship programs are **not** eligible for financial aid.

Estimated Time to Completion: Apprenticeship programs are composed of two parts: (1) on-the-job training is provided by a sponsor who exposes the apprentice to practical applications in all phases of a particular craft; (2) classroom-related instruction is designed to provide the apprentice with knowledge of theoretical and technical aspects of their craft. Total completion of an apprenticeship program will take up to five years, depending upon the craft.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students will achieve entry-level proficiency in all areas of carpentry as well as advanced training as work experience is added.	1, 2, 3, 4, 5
2. Students will be prepared to continue in the workforce having the necessary workplace skills.	2, 3, 4, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 5 CREDITS

COURSE		CR	SEM	PREREQUISITE
CPI 1470	Math for the Trades (QS)	5	A	

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (9 CREDITS)

Choose three credits from three of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (40 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CPI 1110	Carpenter IA	5	F	CPI 1470 w/C or better or MATH 0990 placement
CPI 1120	Carpenter IB	5	Sp	CPI 1110 w/C or better
CPI 1210	Carpenter IIA	5	F	CPI 1120 w/C or better
CPI 1220	Carpenter IIB	5	Sp	CPI 1210 w/C or better
CPI 2310	Carpenter IIIA	5	F	CPI 1220 w/C or better
CPI 2320	Carpenter IIIB	5	Sp	CPI 2310 w/C or better
CPI 2410	Carpenter IVA	5	F	CPI 2320 w/C or better
CPI 2420	Carpenter IVB	5	Sp	CPI 2410 w/C or better

ELECTIVE COURSES

COURSE		CR	SEM	PREREQUISITE
CPI 2000	Carpentry Co-op	2-4	A	Departmental approval

NOTE: CPI students may still be short credit hours after having completed the major course requirements and general education requirements. If so, additional credit hours from one of the distribution areas will be necessary to meet the 63 credit hour minimum for the AAS degree.

SAMPLE SCHEDULE*			
SUMMER SEMESTER			
STUDENTS SHOULD COMPLETE THE FOLLOWING COURSE TO BEGIN THE PROGRAM IN THE FALL:			
CPI 1470 (QS)	5	(If CPT score not adequate; required for AAS degree)	
TOTAL	**0-5**		
FALL SEMESTER		**SPRING SEMESTER**	
CPI 1110	5	CPI 1120	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
ENGL 1010	3		
CM	3		
TOTAL	**6**		
FALL SEMESTER		**SPRING SEMESTER**	
CPI 1210	5	CPI 1220	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
HR	2-3		
DISTRIBUTION	3		
TOTAL	**5-6**		
FALL SEMESTER		**SPRING SEMESTER**	
CPI 2310	5	CPI 2320	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
DISTRIBUTION	6		
TOTAL	**6**		
FALL SEMESTER		**SPRING SEMESTER**	
CPI 2410	5	CPI 2420	5
Total	**5**	**Total**	**5**

Advising Notes: Apprenticeship programs may require a math prerequisite. Classes are to be taken in the sequence in which they are given. All major CPI course requirements must be taken to complete the apprenticeship curriculum, A grade of C or better is required in all core courses for passing and receiving clock hours. Some programs may have stricter requirements. Students should check their individual programs for more information on prerequisites and entrance requirements. Attendance is mandated by federal law and a student cannot pass a course if out of compliance. Failure to complete the necessary course work or to register in a timely manner for each class will add one full year to the apprentice's program.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the Apprenticeship program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

*It is recommended to those students seeking the AAS degree to complete the general education requirements in the summer semesters or the year following completion of all the Apprenticeship core courses.

Additional Program Note: A Certificate of in Carpentry Independent Technology is also available. For more information about this certificate, contact the Apprenticeship Office, Taylorsville Redwood Campus, CT 226, (801) 957-4066.

APPRENTICESHIP[CTE] CARPENTRY JATC TECHNOLOGY – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 63 credits minimum

Apprenticeship Division
Taylorsville Redwood Campus, CT 226
General Information, (801) 957-4073
Program Information, (801) 957-4066
http://www.slcc.edu/apprenticeship
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Generally, Apprenticeship faculty members are chosen from journeymen who are working in the field with a minimum of six years experience. All instructors are hired as adjunct on a semester-by-semester basis.

Program Description: Carpenters in the JATC program construct, remodel, alter or repair wood in combination with other material structures. Carpenters work with wood products, build concrete forms, platforms, structures and work in conjunction with other trades such as iron workers, brick masons and other craft workers. This program is a competency-based national curriculum requiring that all of the modules and 8,000 hours of on-the-job training be completed to sit for the National Comprehensive Examination for a journeyman's certificate.

The College provides classroom-related and supplemental instruction for apprenticeship programs. Classes are held in the days, evenings, and Saturdays, depending on the program. The College neither provides on-the-job training nor acts as a sponsor for apprentices. Individuals must locate their own sponsors. For individual industry-sponsored programs, students should contact their employers' training director or the Apprenticeship Office.

The Department of Labor Office of Apprenticeship is the federal registering agency for all Utah programs. For National credentials, students and sponsors need to be registered with the Federal Office of Apprenticeship, 125 South State Street, Suite 2412, Salt Lake City, UT 84138. Sponsors are encouraged to be registered with the Office of Apprenticeship.

Career Opportunities: Apprenticeship students are expected to be employed while participating in related training course work.

Transfer/Articulation Information: Students who earn an AAS degree in Carpentry JATC Technology have the option to transfer into the Technology Management Bachelor Degree at Utah Valley University. UVU will accept up to 45 technical credits towards this degree. Contact the University Center for current information at www.slcc.edu/universitycenter/programs or call (801) 957-4824.

Program Entry Requirements: All entering students must demonstrate competence for placement into MATH 0990 by scoring a minimum of 75 on the arithmetic portion and 40-53 on the algebra portion of the mathematics College Placement Test, or provide a transcript showing a grade of C or higher in MATH 0920 or MATH 0950 or completing CPA 1470 (Math for the Trades) with a grade of C or higher before registering for the carpentry independent program.

For information on getting started, please visit http://www.slcc.edu/gettingstarted/index.asp

Estimated Cost for Students: Tuition per semester: http://www.slcc.edu/cashiering/tuitionfees.asp

Note: Apprenticeship programs are **not** eligible for financial aid.

Estimated Time to Completion: Apprenticeship programs are composed of two parts: (1) on-the-job training is provided by a sponsor who exposes the apprentice to practical applications in all phases of a particular craft; (2) classroom-related instruction is designed to provide the apprentice with knowledge of theoretical and technical aspects of their craft. Total completion of an apprenticeship program will take up to five years, depending upon the craft.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students will achieve entry-level proficiency in all areas of carpentry as well as advanced training as work experience is added.	1, 2, 3, 4, 5
2. Students will be prepared to continue in the workforce having the necessary workplace skills.	2, 3, 4, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 5 CREDITS

COURSE		CR	SEM	PREREQUISITE
CPA 1470	Math for the Trades (QS)	5	A	

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (9 CREDITS)

Choose three credits from three of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (40 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CPA 1110	Carpentry-Computer Skills	5	F	CPA 1470 w/C or better or MATH 0990 placement and JATC approval
CPA 1120	Carpentry Concrete Forming	5	Sp	CPA 1110 w/C or better
CPA 1210	Carpentry Wood Framing	5	F	CPA 1120 w/C or better
CPA 1220	Carpentry Finish, Interior	5	Sp	CPA 1210 w/C or better
CPA 2310	Carpentry Interior Systems	5	F	CPA 1220 w/C or better
CPA 2320	Carpentry Welding	5	Sp	CPA 2310 w/C or better
CPA 2410	Carpentry Blueprint Reading	5	F	CPA 2320 w/C or better
CPA 2420	Carpentry Completion	5	Sp	CPA 2410 w/C or better

NOTE: CPA students may still be short credit hours after having completed the major course requirements and general education requirements. If so, additional credit hours from one of the distribution areas will be necessary to meet the 63 credit hour minimum for the AAS degree.

SAMPLE SCHEDULE*			
SUMMER SEMESTER STUDENTS SHOULD COMPLETE THE FOLLOWING COURSE TO BEGIN THE PROGRAM IN THE FALL:			
CPA 1470 (QS)	5	(If CPT score not adequate; required for AAS degree)	
TOTAL	**0-5**		
FALL SEMESTER		**SPRING SEMESTER**	
CPA 1110	5	CPA 1120	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
ENGL 1010	3		
CM	3		
TOTAL	**6**		
FALL SEMESTER		**SPRING SEMESTER**	
CPA 1210	5	CPA 1220	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
HR	2-3		
DISTRIBUTION	3		
TOTAL	**5-6**		
FALL SEMESTER		**SPRING SEMESTER**	
CPA 2310	5	CPA 2320	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
DISTRIBUTION	6		
TOTAL	**6**		
FALL SEMESTER		**SPRING SEMESTER**	
CPA 2410	5	CPA 2420	5
Total	**5**	**Total**	**5**

Advising Notes: Apprenticeship programs may require a math prerequisite. Classes are to be taken in the sequence in which they are given. A grade of C or better is required in all core courses for passing and receiving clock hours. Some programs may have stricter requirements. Students should check their individual programs for more information on prerequisites and entrance requirements.

Attendance is mandated by federal law and a student cannot pass a course if out of compliance. Failure to complete the necessary coursework or to register in a timely manner for each class will add one full year to the apprentice's program.

All Major CPA Course Requirements must be taken to complete the apprenticeship curriculum.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the Apprenticeship program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

*It is recommended to those students seeking the AAS degree to complete the general education requirements in the summer semesters or the year following completion of all the Apprenticeship core courses.

Additional Program Note: A Certificate in Carpentry JATC Technology is also available. For more information about this certificate, contact the Apprenticeship Office, Taylorsville Redwood Campus, CT 226, (801) 957-4066.

APPRENTICESHIP[CTE] CEMENT MASON INDEPENDENT TECHNOLOGY – CERTIFICATE OF PROFICIENCY[CTE]

20 credits minimum

Apprenticeship Division
Taylorsville Redwood Campus, CT 226
General Information, (801) 957-4073
Program Information, (801) 957-4066
http://www.slcc.edu/apprenticeship
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Generally, Apprenticeship faculty members are chosen from journeymen who are working in the field with a minimum of six years experience. All instructors are hired as adjunct on a semester-by-semester basis.

Program Description: This is a two year program requiring 4,000 hours of on-the-job training as well as 288 clock hours of related instruction.

The College provides classroom-related and supplemental instruction for apprenticeship programs. Classes are held in the days, evenings, and Saturdays, depending on the program. The College neither provides on-the-job training nor acts as a sponsor for apprentices. Individuals must locate their own sponsors. For individual industry-sponsored programs, students should contact their employers' training director or the Apprenticeship Office.

The Department of Labor Office of Apprenticeship is the federal registering agency for all Utah programs. For National credentials, students and sponsors need to be registered with the Federal Office of Apprenticeship, 125 South State Street, Suite 2412, Salt Lake City, UT 84138. Sponsors are encouraged to be registered with the Office of Apprenticeship.

Career Opportunities: Apprenticeship students are expected to be employed while participating in related training course work. Upon completion of this program and the completion of the 4,000 hours of on-the-job training, students should be considered Journeyman cement masons and will be able to continue employment in their field at this level. Or they may transfer to another craft with the possibility of advancing at an accelerate rate because of the base of knowledge and skills obtained throughout this program.

Program Entry Requirements: Apprenticeship students must be employed by a sponsoring contractor as a cement mason prior to beginning their studies in this program.

For information on getting started, please visit http://www.slcc.edu/gettingstarted/index.asp

Estimated Cost for Students: Tuition per semester: http://www.slcc.edu/cashiering/tuitionfees.asp

Note: Apprenticeship programs are **not** eligible for financial aid.

Estimated Time to Completion: Apprenticeship programs are composed of two parts: (1) on-the-job training is provided by a sponsor who exposes the apprentice to practical applications in all phases of a particular craft; (2) classroom-related instruction is designed to provide the apprentice with knowledge of theoretical and technical aspects of their craft. Total completion of an apprenticeship program will take up to five years, depending upon the craft.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students will achieve entry-level proficiency in all areas of carpentry as well as advanced training as work experience is added.	1, 2, 3, 4, 5
2. Students will be prepared to continue in the workforce having the necessary workplace skills.	2, 3, 4, 5

REQUIRED COURSES: (20 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CMI 1110	Cement Mason Indep 1A	5	Sp	
CMI 1120	Cement Mason Indep 1B	5	Sp	CMI 1110 w/C grade or better
CMI 1210	Cement Mason Indep 2A	5	Sp	CMI 1120 w/C grade or better
CMI 1220	Cement Mason Indep 2B	5	Sp	CMI 1210 w/C grade or better

SAMPLE SCHEDULE

FIRST SPRING SEMESTER		**SECOND SPRING SEMESTER**	
CMI 1110	5	CMI 1210	5
CMI 1120	5	CMI 1220	5
Total	**10**	**Total**	**10**

Advising Notes: Apprenticeship programs may require a math prerequisite. Classes are to be taken in the sequence in which they are given. All major course requirement must be taken to complete the apprenticeship curriculum. A grade of C or better is required in all core courses for passing and receiving clock hours. Some programs may have stricter requirements. Students should check their individual programs for more information on prerequisites and entrance requirements. Attendance is mandated by federal law and a student cannot pass a course if out of compliance. Failure to complete the necessary course work or to register in a timely manner for each class will add one full year to the apprentice's program.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the Apprenticeship program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

APPRENTICESHIP[CTE] CEMENT MASON JATC TECHNOLOGY – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 63 credits minimum

Apprenticeship Division
Taylorsville Redwood Campus, CT 226
General Information, (801) 957-4073
Program Information, (801) 957-4066
http://www.slcc.edu/apprenticeship
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Generally, Apprenticeship faculty members are chosen from journeymen who are working in the field with a minimum of six years experience. All instructors are hired as adjunct on a semester-by-semester basis.

Program Description: The Cement Mason JATC Technology Curriculum is industry specific and is offered on as an as-needed basis. Please consult the semester class schedule for the courses being offered or contact the Apprenticeship Office for class availability.

Cement Masons build walls, arches, columns, floors and other structures using concrete. The work is typically outdoors and must meet rigid specifications. To sit for the journeyman exam, an apprentice must complete 432 minimum hours of related instruction and three years and 6,000 hours of on-the-job training (OJT). It is strongly encouraged that students be registered with the Bureau of Apprenticeship and Training, which is optional at the discretion of the employer. This curriculum has been articulated statewide.

The College provides classroom-related and supplemental instruction for apprenticeship programs. Classes are held in the days, evenings, and Saturdays, depending on the program. The College neither provides on-the-job training nor acts as a sponsor for apprentices. Individuals must locate their own sponsors. For individual industry-sponsored programs, students should contact their employers' training director or the Apprenticeship Office.

The Department of Labor Office of Apprenticeship is the federal registering agency for all Utah programs. For National credentials, students and sponsors need to be registered with the Federal Office of Apprenticeship, 125 South State Street, Suite 2412, Salt Lake City, UT 84138. Sponsors are encouraged to be registered with the Office of Apprenticeship.

Career Opportunities: Apprenticeship students are expected to be employed while participating in related training course work.

Program Entry Requirements: There are no prerequisites to enter this program other than approval by the JATC.

For information on getting started, please visit http://www.slcc.edu/gettingstarted/index.asp

Estimated Cost for Students: Tuition per semester: http://www.slcc.edu/cashiering/tuitionfees.asp

Note: Apprenticeship programs are **not** eligible for financial aid.

Estimated Time to Completion: Apprenticeship programs are composed of two parts: (1) on-the-job training is provided by a sponsor who exposes the apprentice to practical applications in all phases of a particular craft; (2) classroom-related instruction is designed to provide the apprentice with knowledge of theoretical and technical aspects of their craft. Total completion of an apprenticeship program will take up to five years, depending upon the craft.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally

1. Provide the required related instruction to prepare students for journeyman level work in the electrical industry and prepare students to sit for the state Journeyman Electrician license	1, 2, 3, 4, 5
2. Provide the necessary training for students to continue employment having the necessary workplace skills to attain success.	2, 3, 4, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 5 CREDITS

COURSE		CR	SEM	PREREQUISITE
APPR 1470	Math for the Trades (QS)	5	A	

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (18 CREDITS)

Choose three credits from each of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (30 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CMA 1110	Cement Mason 1A	5	F	APPR 1470 or appropriate Accuplacer score
CMA 1120	Cement Mason IB	5	Sp	CMA 1110 w/C grade or better
CMA 1210	Cement Mason IIA	5	F	CMA 1120 w/C grade or better
CMA 1210	Cement Mason IIB	5	Sp	CMA 1210 w/C grade or better
CMA 2310	Cement Mason IIIA	5	F	CMA 1220 w/C grade or better
CMA 2320	Cement Mason IIIB	5	Sp	CMA 2310 w/C grade or better

SAMPLE SCHEDULE*

SUMMER SEMESTER
STUDENTS SHOULD COMPLETE THE FOLLOWING COURSE TO BEGIN THE PROGRAM IN THE FALL:

APPR 1470 (QS)	5	(If CPT score not adequate; required for AAS degree)
TOTAL	**0-5**	

FALL SEMESTER		**SPRING SEMESTER**	
CMA 1110	5	CMA 1120	5
Total	**5**	**Total**	**5**

SUMMER SEMESTER			
ENGL 1010	3		
CM	3		
ID	3-4		
TOTAL	**9-10**		
FALL SEMESTER		**SPRING SEMESTER**	
CMA 1210	5	CMA 1220	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER			
BS	3-4		
HR	2-3		
HU	3		
TOTAL	**8-10**		
FALL SEMESTER		**SPRING SEMESTER**	
CMA 2310	5	CMA 2320	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER			
FA	3-4		
PS	3		
SS	3		
TOTAL	**9-10**		

Advising Notes: The classes listed are sequential and are to be taken in order. All major CMA course requirements must be taken to complete the apprenticeship curriculum. The courses are only offered once each year with odd number courses in the fall semester and even number courses in the spring semester. The math prerequisite does not fulfill any of the apprenticeship hours required. A student must pass each course with a C or higher to move onto the next level class. Failure to complete the necessary course work or to register in a timely manner for each class will add one full year to the apprentice's program.

Apprentices earn a certificate of achievement upon successful completion of all major CMA course requirements.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the Apprenticeship program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

Additional Program Note: A Certificate in Cement Mason JATC Technology is also available. For more information about this certificate, contact the Apprenticeship Office, Taylorsville Redwood Campus, CT 226, (801) 957-4066.

APPRENTICESHIP[CTE] CONSTRUCTION CRAFT LABORER TECHNOLOGY – CERTIFICATE OF PROFICIENCY[CTE]

20 credits minimum

Apprenticeship Division
Taylorsville Redwood Campus, CT 226
General Information, (801) 957-4073
Program Information, (801) 957-4066
http://www.slcc.edu/apprenticeship
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Generally, Apprenticeship faculty members are chosen from journeymen who are working in the field with a minimum of six years experience. All instructors are hired as adjunct on a semester-by-semester basis.

Program Description: This is a two year program requiring 4,000 hours of on-the-job training as well as 288 clock hours of related instruction.

The College provides classroom-related and supplemental instruction for apprenticeship programs. Classes are held in the days, evenings, and Saturdays, depending on the program. The College neither provides on-the-job training nor acts as a sponsor for apprentices. Individuals must locate their own sponsors. For individual industry-sponsored programs, students should contact their employers' training director or the Apprenticeship Office.

The Department of Labor Office of Apprenticeship is the federal registering agency for all Utah programs. For National credentials, students and sponsors need to be registered with the Federal Office of Apprenticeship, 125 South State Street, Suite 2412, Salt Lake City, UT 84138. Sponsors are encouraged to be registered with the Office of Apprenticeship.

Career Opportunities: Apprenticeship students are expected to be employed while participating in related training course work. Upon completion of this program and the completion of the 4,000 hours of on-the-job training, students should be considered Journeyman cement masons and will be able to continue employment in their field at this level. Or they may transfer to another craft with the possibility of advancing at an accelerate rate because of the base of knowledge and skills obtained throughout this program.

Program Entry Requirements: Apprenticeship students must be employed by a sponsoring contractor prior to beginning their studies in this program.

For information on getting started, please visit http://www.slcc.edu/gettingstarted/index.asp

Estimated Cost for Students: Tuition per semester: http://www.slcc.edu/cashiering/tuitionfees.asp

Note: Apprenticeship programs are **not** eligible for financial aid.

Estimated Time to Completion: Apprenticeship programs are composed of two parts: (1) on-the-job training is provided by a sponsor who exposes the apprentice to practical applications in all phases of a particular craft; (2) classroom-related instruction is designed to provide the apprentice with knowledge of theoretical and technical aspects of their craft. Total completion of an apprenticeship program will take up to five years, depending upon the craft.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students will achieve entry-level proficiency in all areas of carpentry as well as advanced training as work experience is added.	1, 2, 3, 4, 5
2. Students will be prepared to continue in the workforce having the necessary workplace skills.	2, 3, 4, 5

REQUIRED COURSES: (40 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CCLA 1110	Laborer 1A	5	Sp	
CCLA 1120	Laborer 1B	5	Sp	CCLA 1110 w/C grade or better
CCLA 1210	Laborer 2A	5	Sp	CCLA 1120 w/C grade or better
CCLA 1220	Laborer 2B	5	Sp	CCLA 1210 w/C grade or better

SAMPLE SCHEDULE

FIRST SPRING SEMESTER		**SECOND SPRING SEMESTER**	
CCLA 1110	5	CCLA 1210	5
CCLA 1120	5	CCLA 1220	5
Total	**10**	**Total**	**10**

Advising Notes: Apprenticeship programs may require a math prerequisite. Classes are to be taken in the sequence in which they are given. A grade of C or better is required in all core courses for passing and receiving clock hours. Some programs may have stricter requirements. Students should check their individual programs for more information on prerequisites and entrance requirements. Attendance is mandated by federal law and a student cannot pass a course if out of compliance.

Failure to complete the necessary course work or to register in a timely manner for each class will add one full year to the apprentice's program.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the Apprenticeship program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

APPRENTICESHIP[CTE] DIESEL SYSTEMS TECHNOLOGY – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 63 credits minimum

Apprenticeship Division
Taylorsville Redwood Campus, CT 226
General Information, (801) 957-4073
Program Information, (801) 957-4066
http://www.slcc.edu/apprenticeship
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty: Generally, Apprenticeship faculty members are chosen from journeymen who are working in the field with a minimum of six years experience. All instructors are hired as adjunct on a semester-by-semester basis.

Program Description: The DSTA program is designed for training Mechanics in both installation and service work. Apprentices in the DSTA program have the opportunity to learn techniques required to install new equipment as well as skills and knowledge to repair and troubleshoot existing equipment. The program is designed with related theory and hands-on application for maximum benefit for the student. This is a four-year program requiring 8,000 hours of on-the-job-training as well as 576 minimum hours of related instruction. Most sponsors of this program are also registering with the Bureau of Apprenticeship and Training for certification.

Note: The Diesel Systems Technology program is industry specific with classes being offered on an as-needed basis. Please consult the semester class schedule for the courses being offered or contact the Apprenticeship Office.

The College provides classroom-related and supplemental instruction for apprenticeship programs. Classes are held in the days, evenings, and Saturdays, depending on the program. The College neither provides on-the-job training nor acts as a sponsor for apprentices. Individuals must locate their own sponsors. For individual industry-sponsored programs, students should contact their employers' training director or the Apprenticeship Office.

The Department of Labor Office of Apprenticeship is the federal registering agency for all Utah programs. For National credentials, students and sponsors need to be registered with the Federal Office of Apprenticeship, 125 South State Street, Suite 2412, Salt Lake City, UT 84138. Sponsors are encouraged to be registered with the Office of Apprenticeship.

Career Opportunities: Apprenticeship students are expected to be employed while participating in related training course work.

Transfer/Articulation Information: Students who earn an AAS degree in Diesel Systems Technology have the option to transfer into the Technology Management Bachelor Degree at Utah Valley University. UVU will accept up to 45 technical credits towards this degree. Contact the University Center for current information at www.slcc.edu/universitycenter/programs or call (801) 957-4824.

Program Entry Requirements: All entering students must demonstrate competence for placement into MATH 0990 by scoring a minimum of 75 on the arithmetic portion and 40-53 on the algebra portion of the mathematics College Placement Test, or provide a transcript showing a grade of C or higher in MATH 0920 or MATH 0950 or completing CPI 1470 (Math for the Trades) with a grade of C or higher before registering for the carpentry independent program.

For information on getting started, please visit http://www.slcc.edu/gettingstarted/index.asp

Estimated Cost for Students: Tuition per semester: http://www.slcc.edu/cashiering/tuitionfees.asp

Note: Apprenticeship programs are **not** eligible for financial aid.

Estimated Time to Completion: Apprenticeship programs are composed of two parts: (1) on-the-job training is provided by a sponsor who exposes the apprentice to practical applications in all phases of a particular craft; (2) classroom-related instruction is designed to provide the apprentice with knowledge of theoretical and technical aspects of their craft. Total completion of an

apprenticeship program will take up to five years, depending upon the craft.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students will achieve entry-level proficiency in all areas of carpentry as well as advanced training as work experience is added.	1, 2, 3, 4, 5
2. Students will be prepared to continue in the workforce having the necessary workplace skills.	2, 3, 4, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 5 CREDITS

COURSE		CR	SEM	PREREQUISITE
APPR 1470	Math for the Trades (QS)	5	A	

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (12 CREDITS)

Choose three credits from four of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (36 CREDITS)

COURSE		CR	SEM	PREREQUISITE
DSTA 1100	Safety and Basic Engines	2	F	APPR 1470 w/C or better or MATH 1010 placement
DSTA 1111	Safety & Basic Eng Lab	4	F	APPR 1470 w/C or better or MATH 1010 placement
DSTA 1120	Preventive Maintenance	2	Sp	DSTA 1100 w/C or better
DSTA 1121	Preventive Maint Lab	4	Sp	DSTA 1111 w/C or better
DSTA 1130	Heavy-Duty Drivetrains	2	F	DSTA 1120 w/C or better
DSTA 1131	H/Duty Drivetrains Lab	4	F	DSTA 1121 w/C or better
DSTA 1200	Adv Engine & Electronics	2	Sp	DSTA 1130 w/C or better
DSTA 1211	Advan Engine & Elec Lab	4	Sp	DSTA 1131 w/C or better
DSTA 1220	Heavy-Duty Hydraulics	2	F	DSTA 1200 w/C or better
DSTA 1221	H/Duty Hydraulics Lab	4	F	DSTA 1211 w/C or better
DSTA 1230	Heavy-Duty Electrical	2	Sp	DSTA 1220 w/C or better
DSTA 1231	Heavy-Duty Electrical Lab	4	Sp	DSTA 1221 w/C or better

ELECTIVE COURSES:

COURSE		CR	SEM	PREREQUISITE
DSTA 2000	Heavy Duty Co-op	2-4	A	Departmental approval

NOTE: DSTA students may still be short credit hours after having completed the major course requirements and general education requirements. If so, additional credit hours from one of the distribution areas will be necessary to meet the 63 credit hour minimum for the AAS degree.

SAMPLE SCHEDULE*			
SUMMER SEMESTER			
STUDENTS SHOULD COMPLETE THE FOLLOWING COURSE TO BEGIN THE PROGRAM IN THE FALL:			
APPR 1470 (QS)	5	**(If CPT score not adequate; required for AAS degree)**	
TOTAL	**0-5**		
FALL SEMESTER		**SPRING SEMESTER**	
DSTA 1100	2	DSTA 1120	2
DSTA 1111	4	DSTA 1121	4
Total	**6**	**Total**	**6**
SUMMER SEMESTER*			
ENGL 1010	3		
CM	3		
TOTAL	**6**		
FALL SEMESTER		**SPRING SEMESTER**	
DSTA 1130	2	DSTA 1200	2
DSTA 1131	4	DSTA 1211	4
Total	**6**	**Total**	**6**
SUMMER SEMESTER*			
HR	2-3		
DISTRIBUTION	6		
TOTAL	**8-9**		
FALL SEMESTER		**SPRING SEMESTER**	
DSTA 1220	2	DSTA 1230	2
DSTA 1221	4	DSTA 1231	4
Total	**6**	**Total**	**6**
SUMMER SEMESTER*			
DISTRIBUTION	6		
TOTAL	**6**		

Advising Notes: The math prerequisite does not fulfill any of the apprenticeship hours required. Classes are to be taken in the sequence in which they are given. A student must pass each class with a C or higher grade to move on to the next level. All major DSTA course requirements must be taken to complete the apprenticeship curriculum.

Failure to complete the necessary course work or to register in a timely manner for each class will add one full year to the apprentice's program.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the Apprenticeship program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

*It is recommended to those students seeking the AAS degree to complete the general education requirements in the summer semesters or the year following completion of all the Apprenticeship core courses.

Additional Program Note: A Certificate in Diesel Systems Technology is also available. For more information about this certificate, contact the Apprenticeship Office, Taylorsville Redwood Campus, CT 226, (801) 957-4066.

APPRENTICESHIP[CTE] ELECTRICAL INDEPENDENT TECHNOLOGY – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 63 credits minimum

Apprenticeship Division
Taylorsville Redwood Campus, CT 226
General Information, (801) 957-4073
Program Information, (801) 957-4066
http://www.slcc.edu/apprenticeship
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Generally, Apprenticeship faculty members are chosen from journeymen who are working in the field with a minimum of six years experience. All instructors are hired as adjunct on a semester-by-semester basis.

Program Description: Electricians are compulsory licensed craftsmen who plan, lay out and install, alter or repair electrical wiring, fixtures, apparatus and controls. To sit for the journeyman exam, an apprentice must complete 576 minimum hours of related instruction and four years and 8,000 hours of on-the-job training (OJT). Application with the State of Utah Department of Occupational and Professional Licensing must be made upon commencement of employment. It is strongly encouraged that students be registered with the Bureau of Apprenticeship and Training, which is optional at the discretion of the employer. This curriculum has been articulated statewide.

The College provides classroom-related and supplemental instruction for apprenticeship programs. Classes are held in the days, evenings, and Saturdays, depending on the program. The College neither provides on-the-job training nor acts as a sponsor for apprentices. Individuals must locate their own sponsors. For individual industry-sponsored programs, students should contact their employers' training director or the Apprenticeship Office.

The Department of Labor Office of Apprenticeship is the federal registering agency for all Utah programs. For National credentials, students and sponsors need to be registered with the Federal Office of Apprenticeship, 125 South State Street, Suite 2412, Salt Lake City, UT 84138. Sponsors are encouraged to be registered with the Office of Apprenticeship. All electricians and plumbers must register with the Utah State Division of Occupational and Professional Licensing, (801) 530-6628.

Career Opportunities: Apprenticeship students are expected to be employed while participating in related training course work.

Transfer/Articulation Information: Students who earn an AAS degree in Electrical Independent Technology have the option to transfer into the Technology Management Bachelor Degree at Utah Valley University. UVU will accept up to 45 technical credits towards this degree. Contact the University Center for current information at www.slcc.edu/universitycenter/programs or call (801) 957-4824.

Program Entry Requirements: All entering students must demonstrate competence for placement into MATH 1010 by scoring 54 or higher on the algebra portion of the mathematics College Placement Test, or provide a transcript showing a grade of C or higher in MATH 0990 or equivalent, or complete ELI 1470 (Math for the Trades) with a grade of C or higher.

For information on getting started, please visit http://www.slcc.edu/gettingstarted/index.asp

Estimated Cost for Students: Tuition per semester: http://www.slcc.edu/cashiering/tuitionfees.asp

Note: Apprenticeship programs are **not** eligible for financial aid.

Estimated Time to Completion: Apprenticeship programs are composed of two parts: (1) on-the-job training is provided by a sponsor who exposes the apprentice to practical applications in all phases of a particular craft; (2) classroom-related instruction is designed to provide the apprentice with knowledge of theoretical and technical aspects of their craft. Total completion of an apprenticeship program will take up to five years, depending upon the craft.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Provide the required related instruction to prepare students for journeyman level work in the electrical industry and prepare students to sit for the state Journeyman Electrician license	1, 2, 3, 4, 5
2. Provide the necessary training for students to continue employment having the necessary workplace skills to attain success.	2, 3, 4, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 5 CREDITS

COURSE		CR	SEM	PREREQUISITE
ELI 1470	Math for the Trades (QS)	5	A	

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (9 CREDITS)

Choose one course (three credits) from three of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (40 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ELI 1110	Electricity I	5	F	ELI 1470 w/C grade or better or MATH 1010 placement
ELI 1120	Electricity I	5	Sp	ELI 1110 w/C+ or better and pass ELI 1110 competency
ELI 1210	Electricity II	5	F	ELI 1120 w/C+ or better and pass ELI 1120 competency
ELI 1220	Electricity II	5	Sp	ELI 1210 w/C+ or better and pass ELI 1210 competency
ELI 2310	Electricity III	5	F	ELI 1220 w/C+ or better and pass ELI 1220 competency
ELI 2320	Electricity III	5	Sp	ELI 2310 w/C+ or better and pass ELI 2310 competency
ELI 2410	Electricity IV	5	F	ELI 2320 w/C+ or better and pass ELI 2320 competency
ELI 2420	Electricity IV	5	Sp	ELI 2410 w/C+ or better and pass ELI 2410 competency

ELECTIVE COURSES:

COURSE		CR	SEM	PREREQUISITE
ELI 2000	Electrical CO-OP	3-6	A	Instructor approval
ELI 2990	Electrical Special Studies	5	A	
ELI 2991	Electrical Special Stu II	5	A	

NOTE: ELI students may still be short credit hours after having completed the major course requirements and general education requirements. If so, additional credit hours from one of the distribution areas will be necessary to meet the 63 credit hour minimum for the AAS degree.

SAMPLE SCHEDULE			
SUMMER SEMESTER			
STUDENTS SHOULD COMPLETE THE FOLLOWING COURSE TO BEGIN THE PROGRAM IN THE FALL:			
ELI 1470 (QS)	5	(If CPT score not adequate; required for AAS degree)	
TOTAL	**0-5**		
FALL SEMESTER		**SPRING SEMESTER**	
ELI 1110	5	ELI 1120	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
ENGL 1010	3		
CM	3		
Total	**6**		
FALL SEMESTER		**SPRING SEMESTER**	
ELI 1210	5	ELI 1220	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
HR	2-3		
DISTRIBUTION	3		
TOTAL	**5-6**		
FALL SEMESTER		**SPRING SEMESTER**	
ELI 2310	5	ELI 2320	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
DISTRIBUTION	6		
Total	**6**		
FALL SEMESTER		**SPRING SEMESTER**	
ELI 2410	5	ELI 2420	5
Total	**5**	**Total**	**5**

Advising Notes: The classes listed are sequential and are to be taken in order. All major ELI course requirements must be taken to complete the apprenticeship curriculum. The courses are only offered once each year with odd number courses in the fall semester and even number courses in the spring semester. The math prerequisite does not fulfill any of the apprenticeship hours required. A student must pass each course with a C+ or higher and pass a competency test to move onto the next level class. Failure to complete the necessary course work or to register in a timely manner for each class will add one full year to the apprentice's program.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the Apprenticeship program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

*It is recommended to those students seeking the AAS degree to complete the general education requirements in the summer semesters or the year following completion of all the Apprenticeship core courses. The Electrical Independent Technology courses are also available online.

Additional Program Note: A Certificate in Electrical Independent Technology is also available. For more information about this certificate, contact the Apprenticeship Office, Taylorsville Redwood Campus, CT 226, (801) 957-4066.

APPRENTICESHIP[CTE] FACILITIES MAINTENANCE TECHNOLOGY – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 63 credits minimum

Apprenticeship Division
Taylorsville Redwood Campus, CT 226
General Information, (801) 957-4073
Program Information, (801) 957-4066
http://www.slcc.edu/apprenticeship
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty: Generally, Apprenticeship faculty members are chosen from journeymen who are working in the field with a minimum of six years experience. All instructors are hired as adjunct on a semester-by-semester basis.

Program Description: The Facilities Maintenance Technology program provides students with a solid foundation in the basic fundamentals of Electricity, Industrial Motor Control, HVAC principles, Plumbing, Construction Maintenance, Pipefitting, and Welding. This is a three year program requiring 6,000 hours of on-the-job training as well as 432 clock hours of related instruction.

The College provides classroom-related and supplemental instruction for apprenticeship programs. Classes are held in the days, evenings, and Saturdays, depending on the program. The College neither provides on-the-job training nor acts as a sponsor for apprentices. Individuals must locate their own sponsors. For individual industry-sponsored programs, students should contact their employers' training director or the Apprenticeship Office.

The Department of Labor Office of Apprenticeship is the federal registering agency for all Utah programs. For National credentials, students and sponsors need to be registered with the Federal Office of Apprenticeship, 125 South State Street, Suite 2412, Salt Lake City, UT 84138. Sponsors are encouraged to be registered with the Office of Apprenticeship. All electricians and plumbers must register with the Utah State Division of Occupational and Professional Licensing, (801) 530-6628.

Career Opportunities: Apprenticeship students are expected to be employed while participating in related training course work.

Transfer/Articulation Information: Students who earn an AAS degree in Facilities Maintenance Technology have the option to transfer into the Technology Management Bachelor Degree at Utah Valley University. UVU will accept up to 45 technical credits towards this degree. Contact the University Center for current information at www.slcc.edu/universitycenter/programs or call (801) 957-4824.

Program Entry Requirements: All entering students must demonstrate competence for placement into MATH 0990 by scoring a minimum of 75 on the arithmetic portion and 40-53 on the algebra portion of the mathematics College Placement Test, or provide a transcript showing a grade of C or higher in MATH 0920 or MATH 0950 or completing CPI 1470 (Math for the Trades) with a grade of C or higher before registering for the carpentry independent program.

For information on getting started, please visit http://www.slcc.edu/gettingstarted/index.asp

Estimated Cost for Students: Tuition per semester: http://www.slcc.edu/cashiering/tuitionfees.asp

Note: Apprenticeship programs are **not** eligible for financial aid.

Estimated Time to Completion: Apprenticeship programs are composed of two parts: (1) on-the-job training is provided by a sponsor who exposes the apprentice to practical applications in all phases of a particular craft; (2) classroom-related instruction is designed to provide the apprentice with knowledge of theoretical and technical aspects of their craft. Total completion of an apprenticeship program will take up to five years, depending upon the craft.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students will achieve entry-level proficiency in all areas of carpentry as well as advanced training as work experience is added.	1, 2, 3, 4, 5
2. Students will be prepared to continue in the workforce having the necessary workplace skills.	2, 3, 4, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 5 CREDITS

COURSE		CR	SEM	PREREQUISITE
FMTA 1470	Math for the Trades (QS)	5	A	

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (18 CREDITS)

Choose three credits from each of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (30 CREDITS)

COURSE		CR	SEM	PREREQUISITE
FMTA 1110	Maintenance Electricity I	5	F	FMTA 1470 w/C or better or MATH 1010 placement
FMTA 1120	Maintenance Electricity II	5	Sp	FMTA 1110 w/C or better
FMTA 1210	HVAC	5	F	FMTA 1120 w/C or better
FMTA 1220	Maintenance Plumbing	5	Sp	FMTA 1210 w/C or better
FMTA 2310	Mntnc Constr/Mechanic	5	F	FMTA 1220 w/C or better
FMTA 2320	Mntnc Pipefitting	5	F	FMTA 2310 w/C or better

ELECTIVE COURSES:

COURSE		CR	SEM	PREREQUISITE
FMTA 2410	Mntnc Weld/Trowel Trades	5	A	departmental approval

NOTE: FMTA students may still be short credit hours after having completed the major course requirements and general education requirements. If so, additional credit hours from one of the distribution areas will be necessary to meet the 63 credit hour minimum for the AAS degree.

SAMPLE SCHEDULE*			
SUMMER SEMESTER			
STUDENTS SHOULD COMPLETE THE FOLLOWING COURSE TO BEGIN THE PROGRAM IN THE FALL:			
FMTA 1470 (QS)	5	(If CPT score not adequate; required for AAS degree)	
TOTAL	**0-5**		
		SPRING SEMESTER	
FALL SEMESTER			
FMTA 1110	5	FMTA 1120	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
ENGL 1010	3		
CM	3		
ID	3-4		
TOTAL	**9-10**		
FALL SEMESTER		**SPRING SEMESTER**	
FMTA 1210	5	FMTA 1220	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
BS	3-4		
HR	2-3		
HU	3		
TOTAL	**8-10**		
FALL SEMESTER		**SPRING SEMESTER**	
FMTA 2310	5	FMTA 2320	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
FA	3-4		
PS	3		
SS	3		
TOTAL	**9-10**		

Advising Notes: The classes listed are sequential and are to be taken in order. The courses are only offered once each year with odd number courses in the fall semester and even numbered courses in the spring semester. The math prerequisite does not fulfill any of the apprenticeship hours required. A student must pass each class with a C or higher grade to move on to the next level. All major FMTA course requirements must be taken to complete the apprenticeship core curriculum.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the Apprenticeship program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

*It is recommended to those students seeking the AAS degree to complete the general education requirements in the summer semesters or the year following completion of all the Apprenticeship core courses.

Additional Program Note: A Certificate in Facilities Maintenance Technology is also available. For more information about this certificate, contact the Apprenticeship Office, Taylorsville Redwood Campus, CT 226, (801) 957-4066.

APPRENTICESHIP[CTE] HEATING, COOLING & REFRIGERATION (HVAC) TECHNOLOGY – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 63 credits minimum

Apprenticeship Division
Taylorsville Redwood Campus, CT 226
General Information, (801) 957-4073
Program Information, (801) 957-4066
http://www.slcc.edu/apprenticeship
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty: Generally, Apprenticeship faculty members are chosen from journeymen who are working in the field with a minimum of six years experience. All instructors are hired as adjunct on a semester-by-semester basis.

Program Description: The HVAC program is designed for training in both installation and service work. Apprentices in the HVAC program have the opportunity to learn techniques required to install new equipment as well as skills and knowledge to repair and troubleshoot existing equipment. The program is designed with related theory and hands-on application for maximum benefit for the student. This is a four-year program requiring 8,000 hours of on-the-job-training as well as 576 minimum hours of related instruction. Most sponsors of this program are also registering with the Bureau of Apprenticeship and Training for certification.

Certifications that students will be eligible to test for upon completion of the program include: Red Cross CPR and First Aid Certified, Environmental Protection Agency (EPA), Rocky Mountain Gas Association (RMGA), Corrugated Stainless Steel Tubing (CSST), Hydronics, and ICE. Students will be eligible to sit for North American Technical Excellence (NATE) and other national HVAC certification exams.

The College provides classroom-related and supplemental instruction for apprenticeship programs. Classes are held in the days, evenings, and Saturdays, depending on the program. The College neither provides on-the-job training nor acts as a sponsor for apprentices. Individuals must locate their own sponsors. For individual industry-sponsored programs, students should contact their employers' training director or the Apprenticeship Office.

The Department of Labor Office of Apprenticeship is the federal registering agency for all Utah programs. For National credentials, students and sponsors need to be registered with the Federal Office of Apprenticeship, 125 South State Street, Suite 2412, Salt Lake City, UT 84138. Sponsors are encouraged to be registered with the Office of Apprenticeship.

Career Opportunities: Apprenticeship students are expected to be employed while participating in related training course work.

Transfer/Articulation Information: Students who earn an AAS degree in Heating, Cooling and Refrigeration Technology have the option to transfer into the Technology Management Bachelor Degree at Utah Valley University. UVU will accept up to 45 technical credits towards this degree. Contact the University Center for current information at www.slcc.edu/universitycenter/programs or call (801) 957-4824.

Program Entry Requirements: All entering students must demonstrate competence for placement into MATH 1010 by scoring a minimum of 54 on the algebra portion of the mathematics College Placement Test, or provide a transcript showing a grade of C or higher in MATH 0990, or must enroll in HVAC 1470 math course prior to enrollment in HVAC core courses.

For information on getting started, please visit http://www.slcc.edu/gettingstarted/index.asp

Estimated Cost for Students: Tuition per semester: http://www.slcc.edu/cashiering/tuitionfees.asp

Note: Apprenticeship programs are **not** eligible for financial aid.

Estimated Time to Completion: Apprenticeship programs are composed of two parts: (1) on-the-job training is provided by a sponsor who exposes the apprentice to practical applications in all phases of a particular craft; (2) classroom-related instruction is designed to provide the apprentice with knowledge of theoretical and technical aspects of their craft. Total completion of an apprenticeship program will take up to five years, depending upon the craft.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students will achieve entry-level proficiency in all areas of carpentry as well as advanced training as work experience is added.	1, 2, 3, 4, 5
2. Students will be prepared to continue in the workforce having the necessary workplace skills.	2, 3, 4, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 5 CREDITS

COURSE		CR	SEM	PREREQUISITE
HVAC 1470	Math for the Trades (QS)	5	A	

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (9 CREDITS)

Choose three credits from three of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (40 CREDITS)

COURSE		CR	SEM	PREREQUISITE
HVAC 1110	HVAC IA	5	F	HVAC 1470 w/C or better or MATH 1010 placement
HVAC 1120	HVAC IB	5	Sp	HVAC 1110 w/C or better
HVAC 1210	HVAC IIA	5	F	HVAC 1120 w/C or better
HVAC 1220	HVAC IIB	5	Sp	HVAC 1210 w/C or better
HVAC 2310	HVAC IIIA	5	F	HVAC 1220 w/C or better
HVAC 2320	HVAC IIIB	5	Sp	HVAC 2310 w/C or better
HVAC 2410	HVAC IVA	5	F	HVAC 2320 w/C or better
HVAC 2420	HVAC IVB	5	Sp	HVAC 2410 w/C or better

ELECTIVE COURSES:

COURSE		CR	SEM	PREREQUISITE
HVAC 2000	Heat, Vent Air Specialties	5	A	Departmental approval

NOTE: HVAC students may still be short credit hours after having completed the major course requirements and general education requirements. If so, additional credit hours from one of the distribution areas will be necessary to meet the 63 credit hour minimum for the AAS degree.

SAMPLE SCHEDULE*			
SUMMER SEMESTER			
STUDENTS SHOULD COMPLETE THE FOLLOWING COURSE TO BEGIN THE PROGRAM IN THE FALL:			
HVAC 1470 (QS)	5	(If CPT score not adequate; required for AAS degree)	
TOTAL	**0-5**		
FALL SEMESTER		**SPRING SEMESTER**	
HVAC 1110	5	HVAC 1120	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
ENGL 1010	3		
CM	3		
TOTAL	**6**		
FALL SEMESTER		**SPRING SEMESTER**	
HVAC 1210	5	HVAC 1220	5
TOTAL	**5**	**TOTAL**	**5**
SUMMER SEMESTER*			
HR	2-3		
DISTRIBUTION	3		
TOTAL	**5-6**		
FALL SEMESTER		**SPRING SEMESTER**	
HVAC 2310	5	HVAC 2320	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
DISTRIBUTION	6		
TOTAL	**6**		
FALL SEMESTER		**SPRING SEMESTER**	
HVAC 2410	5	HVAC 2420	5
Total	**5**	**Total**	**5**

Advising Notes: The classes listed are sequential and are to be taken in order. The courses are only offered once each year with odd number courses in the fall semester and even numbered courses in the spring semester. The math prerequisite does not fulfill any of the apprenticeship hours required. A student must pass each class with a C or higher grade to move on to the next level. All major HVAC course requirements must be taken to complete the apprenticeship core curriculum.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the Apprenticeship program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

*It is recommended to those students seeking the AAS degree to complete the general education requirements in the summer semesters or the year following completion of all the Apprenticeship core courses.

Additional Program Note: A Certificate in Heating, Cooling and Refrigeration (HVAC) is also available. For more information about this certificate, contact the Apprenticeship Office, Taylorsville Redwood Campus, CT 226, (801) 957-4066.

APPRENTICESHIP[CTE] HEAVY CIVIL CARPENTER TECHNOLOGY – CERTIFICATE OF PROFICIENCY[CTE]

20 credits minimum

Apprenticeship Division
Taylorsville Redwood Campus, CT 226
General Information, (801) 957-4073
Program Information, (801) 957-4066
http://www.slcc.edu/apprenticeship
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Generally, Apprenticeship faculty members are chosen from journeymen who are working in the field with a minimum of six years experience. All instructors are hired as adjunct on a semester-by-semester basis.

Program Description: This is a two year program requiring 4,000 hours of on-the-job training as well as 288 clock hours of related instruction.

The College provides classroom-related and supplemental instruction for apprenticeship programs. Classes are held in the days, evenings, and Saturdays, depending on the program. The College neither provides on-the-job training nor acts as a sponsor for apprentices. Individuals must locate their own sponsors. For individual industry-sponsored programs, students should contact their employers' training director or the Apprenticeship Office.

The Department of Labor Office of Apprenticeship is the federal registering agency for all Utah programs. For National credentials, students and sponsors need to be registered with the Federal Office of Apprenticeship, 125 South State Street, Suite 2412, Salt Lake City, UT 84138. Sponsors are encouraged to be registered with the Office of Apprenticeship.

Career Opportunities: Apprenticeship students are expected to be employed while participating in related training course work. Upon completion of this program and the completion of the 4,000 hours of on-the-job training, students should be considered Journeyman cement masons and will be able to continue employment in their field at this level. Or they may transfer to another craft with the possibility of advancing at an accelerate rate because of the base of knowledge and skills obtained throughout this program.

Program Entry Requirements: Apprenticeship students must be employed by a sponsoring contractor prior to beginning their studies in this program.

For information on getting started, please visit http://www.slcc.edu/gettingstarted/index.asp

Estimated Cost for Students: Tuition per semester: http://www.slcc.edu/cashiering/tuitionfees.asp

Note: Apprenticeship programs are **not** eligible for financial aid.

Estimated Time to Completion: Apprenticeship programs are composed of two parts: (1) on-the-job training is provided by a sponsor who exposes the apprentice to practical applications in all phases of a particular craft; (2) classroom-related instruction is designed to provide the apprentice with knowledge of theoretical and technical aspects of their craft. Total completion of an apprenticeship program will take up to five years, depending upon the craft.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students will achieve entry-level proficiency in all areas of carpentry as well as advanced training as work experience is added.	1, 2, 3, 4, 5
2. Students will be prepared to continue in the workforce having the necessary workplace skills.	2, 3, 4, 5

REQUIRED COURSES: (20 CREDITS)

COURSE		CR	SEM	PREREQUISITE
HCCA 1110	Heavy Civil Carpenter 1A	5	Sp	
HCCA 1120	Heavy Civil Carpenter 1B	5	Sp	HCCA 1110 w/C grade or better
HCCA 1210	Heavy Civil Carpenter 2A	5	Sp	HCCA 1120 w/C grade or better
HCCA 1220	Heavy Civil Carpenter 2B	5	Sp	HCCA 1210 w/C grade or better

SAMPLE SCHEDULE

FIRST SPRING SEMESTER		SECOND SPRING SEMESTER	
HCCA 1110	5	HCCA 1210	5
HCCA 1120	5	HCCA 1220	5
Total	**10**	**Total**	**10**

Advising Notes: Apprenticeship programs may require a math prerequisite. Classes are to be taken in the sequence in which they are given. Apprentices earn a Certificate of Proficiency upon successful completion of all major HCCA course requirements. A grade of C or better is required in all core courses for passing and receiving clock hours. Some programs may have stricter requirements. Students should check their individual programs for more information on prerequisites and entrance requirements. Attendance is mandated by federal law and a student cannot pass a course if out of compliance. Failure to complete the necessary course work or to register in a timely manner for each class will add one full year to the apprentice's program.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the Apprenticeship program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

APPRENTICESHIP[CTE] IRONWORKERS JATC TECHNOLOGY – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 63 credits minimum

Apprenticeship Division
Taylorsville Redwood Campus, CT 226
General Information, (801) 957-4073
Program Information, (801) 957-4066
http://www.slcc.edu/apprenticeship
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty: Generally, Apprenticeship faculty members are chosen from journeymen who are working in the field with a minimum of six years experience. All instructors are hired as adjunct on a semester-by-semester basis.

Program Description: Ironworkers erect structural steel, work with ornamental iron, reinforcing steel, rigging and machinery moving. Work is very physical, strenuous and precise. The JATC Ironworker is registered with the Bureau of Apprenticeship and Training for additional registration and certification. The program is directed by the National Ironworker JATC and approved by the local sponsors.

The College provides classroom-related and supplemental instruction for apprenticeship programs. Classes are held in the days, evenings, and Saturdays, depending on the program. The College neither provides on-the-job training nor acts as a sponsor for apprentices. Individuals must locate their own sponsors. For individual industry-sponsored programs, students should contact their employers' training director or the Apprenticeship Office.

The Department of Labor Office of Apprenticeship is the federal registering agency for all Utah programs. For National credentials, students and sponsors need to be registered with the Federal Office of Apprenticeship, 125 South State Street, Suite 2412, Salt Lake City, UT 84138. Sponsors are encouraged to be registered with the Office of Apprenticeship.

Career Opportunities: Apprenticeship students are expected to be employed while participating in related training course work.

Transfer/Articulation Information: Students who earn an AAS degree in Apprenticeship Ironworkers JATC Technology have the option to transfer into the Technology Management Bachelor Degree at Utah Valley University. UVU will accept up to 45 technical credits towards this degree. Contact the University Center for current information at www.slcc.edu/universitycenter/programs or call (801) 957-4824.

Program Entry Requirements: All incoming apprentices must gain approval from the local JATC before registering for classes.

Once apprentices are approved by the local JATC, they may complete the getting started steps outlined here: http://www.slcc.edu/gettingstarted/index.asp

Estimated Cost for Students: Tuition per semester: http://www.slcc.edu/cashiering/tuitionfees.asp

Note: Apprenticeship programs are **not** eligible for financial aid.

Estimated Time to Completion: Apprenticeship programs are composed of two parts: (1) on-the-job training is provided by a sponsor who exposes the apprentice to practical applications in all phases of a particular craft; (2) classroom-related instruction is designed to provide the apprentice with knowledge of theoretical and technical aspects of their craft. Total completion of an apprenticeship program will take up to five years, depending upon the craft.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally

1. Students will achieve entry-level proficiency in all areas of carpentry as well as advanced training as work experience is added.	1, 2, 3, 4, 5
2. Students will be prepared to continue in the workforce having the necessary workplace skills.	2, 3, 4, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 5 CREDITS

COURSE		CR	SEM	PREREQUISITE
APPR 1470	Math for the Trades (QS)	5	A	

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (18 CREDITS)

Choose three credits from each of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (30 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ISA 1110	Ironworker IA	5	F	JATC approval
ISA 1120	Ironworker IB	5	Sp	ISA 1110
ISA 1210	Ironworker IIA	5	F	ISA 1120
ISA 1220	Ironworker IIB	5	Sp	ISA 1210
ISA 2310	Ironworker IIIA	5	F	ISA 1220
ISA 2320	Ironworker IIIB	5	Sp	ISA 2310

NOTE: ISA students may still be short credit hours after having completed the major course requirements and general education requirements. If so, additional credit hours from one of the distribution areas will be necessary to meet the 63 credit hour minimum for the AAS degree.

SAMPLE SCHEDULE*		
SUMMER SEMESTER		
STUDENTS SHOULD COMPLETE THE FOLLOWING COURSE TO BEGIN THE PROGRAM IN THE FALL:		
APPR 1470 (QS)	5	(If CPT score not adequate; required for AAS degree)
TOTAL	**0-5**	

FALL SEMESTER		**SPRING SEMESTER**	
ISA 1110	5	ISA 1120	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
ENGL 1010	3		
CM	3		
ID	3-4		
TOTAL	**9-10**		
FALL SEMESTER		**SPRING SEMESTER**	
ISA 1210	5	ISA 1220	5
Total	**5**	**Total**	5
SUMMER SEMESTER*			
BS	3-4		
HR	2-3		
HU	3		
TOTAL	**8-10**		
FALL SEMESTER		**SPRING SEMESTER**	
ISA 2310	5	ISA 2320	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
FA	3-4		
PS	3		
SS	3		
TOTAL	**9-10**		

Advising Notes: The classes are held fall and spring semesters and more often when requested by the JATC. Check with the ironworker training director for class availability. All major ISA course requirements must be taken to complete the apprenticeship curriculum.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the Apprenticeship program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

*It is recommended to those students seeking the AAS degree to complete the general education requirements in the summer semesters or the year following completion of all the Apprenticeship core courses.

Additional Program Note: A Certificate in Ironworkers JATC Technology is also available. For more information about this certificate, contact the Apprenticeship Office, Taylorsville Redwood Campus, CT 226, (801) 957-4066.

APPRENTICESHIP[CTE] LANDSCAPE TECHNOLOGY – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 63 credits minimum

Apprenticeship Division
Taylorsville Redwood Campus, CT 226
General Information, (801) 957-4073
Program Information, (801) 957-4066
http://www.slcc.edu/apprenticeship
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty: Generally, Apprenticeship faculty members are chosen from journeymen who are working in the field with a minimum of six years experience. All instructors are hired as adjunct on a semester-by-semester basis.

Program Description: The Landscape Technology program provides four years of related and supplemental training for apprentices. The courses offered cover a wide variety of materials and curriculums to meet the day-to-day needs of a journeyman. This includes plumbing and pipefitting, basic electrical and low voltage, plant selection and watering, and knowledge of pesticides and control methods. The College provides classroom-related and supplemental instruction for apprenticeship programs. Classes are held in the days, evenings, and Saturdays, depending on the program. The College neither provides on-the-job training nor acts as a sponsor for apprentices. Individuals must locate their own sponsors. For individual industry-sponsored programs, students should contact their employers' training director or the Apprenticeship Office.

The Department of Labor Office of Apprenticeship is the federal registering agency for all Utah programs. For National credentials, students and sponsors need to be registered with the Federal Office of Apprenticeship, 125 South State Street, Suite 2412, Salt Lake City, UT 84138. Sponsors are encouraged to be registered with the Office of Apprenticeship.

Career Opportunities: Apprenticeship students are expected to be employed while participating in related training course work.

Transfer/Articulation Information: Students who earn an AAS degree in Apprenticeship Landscape Technology have the option to transfer into the Technology Management Bachelor Degree at Utah Valley University. UVU will accept up to 45 technical credits towards this degree. Contact the University Center for current information at www.slcc.edu/universitycenter/programs or call (801) 957-4824.

Program Entry Requirements: All entering students must demonstrate competence for placement into MATH 0990 by scoring a minimum of 75 on the arithmetic portion and 40-53 on the algebra portion of the mathematics College Placement Test, or provide a transcript showing a grade of C or higher in MATH 0920 or MATH 0950 or completing APPR 1470 (Math for the Trades) with a grade of C or higher before registering for the Landscape program.

For information about getting started, please visit: http://www.slcc.edu/gettingstarted/index.asp

Estimated Cost for Students: Tuition per semester: http://www.slcc.edu/cashiering/tuitionfees.asp

Note: Apprenticeship programs are **not** eligible for financial aid.

Estimated Time to Completion: Apprenticeship programs are composed of two parts: (1) on-the-job training is provided by a sponsor who exposes the apprentice to practical applications in all phases of a particular craft; (2) classroom-related instruction is designed to provide the apprentice with knowledge of theoretical and technical aspects of their craft. Total completion of an apprenticeship program will take up to five years, depending upon the craft.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students will achieve entry-level proficiency in all areas of carpentry as well as advanced training as work experience is added.	1, 2, 3, 4, 5
2. Students will be prepared to continue in the workforce having the necessary workplace skills.	2, 3, 4, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 5 CREDITS

COURSE		CR	SEM	PREREQUISITE
APPR 1470	Math for the Trades (QS)	5	A	

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (9 CREDITS)

Choose three credits from three of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (40 CREDITS)

COURSE		CR	SEM	PREREQUISITE
LAND 1110	Plumb/Pipefitting Applica	5	F	APPR 1470 w/C or better or MATH 0990 placement
LAND 1120	Ldscp Water Conserv/Elect	5	Sp	LAND 1110 w/C or better
LAND 1210	Small Engine Repair/Mntce	5	F	LAND 1120 w/C or better
LAND 1220	Pest Mgmt/Sstnbl Lndscp	5	Sp	LAND 1210 w/C or better
LAND 2310	Fund/Soil Sci & Hort Sci	5	F	LAND 1220 w/C or better
LAND 2320	Woody Plnt Mat/Turf Mgt	5	Sp	LAND 2310 w/C or better
LAND 2410	Arbor Culture	5	F	LAND 2320 w/C or better
LAND 2420	Annl/Perenn Plant Maint	5	Sp	LAND 2410 w/C or better

NOTE: LAND students may still be short credit hours after having completed the major course requirements and general education requirements. If so, additional credit hours from one of the distribution areas will be necessary to meet the 63 credit hour minimum for the AAS degree.

SAMPLE SCHEDULE*			
SUMMER SEMESTER			
STUDENTS SHOULD COMPLETE THE FOLLOWING COURSE TO BEGIN THE PROGRAM IN THE FALL:			
APPR 1470 (QS)	5	(If CPT score not adequate; required for AAS degree)	
TOTAL	**0-5**		
FALL SEMESTER		**SPRING SEMESTER**	
LAND 1110	5	LAND 1120	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
ENGL 1010	3		
CM	3		
TOTAL	**6**		
FALL SEMESTER		**SPRING SEMESTER**	
LAND 1210	5	LAND 1220	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
HR	2-3		
DISTRIBUTION	3		
TOTAL	**5-6**		
FALL SEMESTER		**SPRING SEMESTER**	
LAND 2310	5	LAND 2320	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
DISTRIBUTION	6		
TOTAL	6		
FALL SEMESTER		**SPRING SEMESTER**	
LAND 2410	5	LAND 2420	5
Total	**5**	**Total**	**5**

Advising Notes: The classes are to be taken in the sequence in which they are given. A student must complete each class with a C or higher grade to move into the next level class. All major LAND course requirements must be taken to complete the apprenticeship curriculum.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the Apprenticeship program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

*It is recommended to those students seeking the AAS degree to complete the general education requirements in the summer semesters or the year following completion of all the Apprenticeship core courses.

Additional Program Note: A Certificate in Landscape Technology is also available. For more information about this certificate, contact the Apprenticeship Office, Taylorsville Redwood Campus, CT 226, (801) 957-4066.

APPRENTICESHIP[CTE] PLUMBER INDEPENDENT TECHNOLOGY – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 63 credits minimum

Apprenticeship Division
Taylorsville Redwood Campus, CT 226
General Information, (801) 957-4073
Program Information, (801) 957-4066
http://www.slcc.edu/apprenticeship
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty: Generally, Apprenticeship faculty members are chosen from journeymen who are working in the field with a minimum of six years experience. All instructors are hired as adjunct on a semester-by-semester basis.

Program Description: A plumber is a compulsory licensed craftsman who performs any mechanical work in the installation, maintenance, repair, removal and replacement of water supply and water/liquid waste removal. Plumbers do both interior and exterior work in greatly varying job conditions. To sit for the journeyman exam, an apprentice must complete 576 minimum hours of related instruction and four years and 8,000 hours of on-the-job training. Application with the State of Utah Department of Occupational and Professional Licensing must be made upon employment. Suggested registration with the Bureau of Apprenticeship and Training is strongly encouraged, but is optional at the discretion of the employer. This curriculum is articulated statewide through all instructional institutions.

The College provides classroom-related and supplemental instruction for apprenticeship programs. Classes are held in the days, evenings, and Saturdays, depending on the program. The College neither provides on-the-job training nor acts as a sponsor for apprentices. Individuals must locate their own sponsors. For individual industry-sponsored programs, students should contact their employers' training director or the Apprenticeship Office.

The Department of Labor Office of Apprenticeship is the federal registering agency for all Utah programs. For National credentials, students and sponsors need to be registered with the Federal Office of Apprenticeship, 125 South State Street, Suite 2412, Salt Lake City, UT 84138. Sponsors are encouraged to be registered with the Office of Apprenticeship. All plumbers must register with the Utah State Division of Occupational and Professional Licensing, (801) 530-6628.

Career Opportunities: Apprenticeship students are expected to be employed while participating in related training course work.

Transfer/Articulation Information: Students who earn an AAS degree in Apprenticeship Plumber Independent Technology have the option to transfer into the Technology Management Bachelor Degree at Utah Valley University. UVU will accept up to 45 technical credits towards this degree. Contact the University Center for current information at www.slcc.edu/universitycenter/programs or call (801) 957-4824.

Program Entry Requirements: All entering students must demonstrate competence for placement into MATH 0990 by scoring a minimum of 75 on the arithmetic portion and 40-53 on the algebra portion of the mathematics College Placement Test, or provide a transcript showing a grade of C or higher in MATH 0920 or MATH 0950 or completing APPR 1470 (Math for the Trades) with a grade of C or higher before registering for the Plumbing program.

For information about getting started, please visit: http://www.slcc.edu/gettingstarted/index.asp

Total Program/Course Fees: $14.00 per semester

Estimated Cost for Students: Tuition per semester: http://www.slcc.edu/cashiering/tuitionfees.asp

Note: Apprenticeship programs are **not** eligible for financial aid.

Estimated Time to Completion: Apprenticeship programs are composed of two parts: (1) on-the-job training is provided by a sponsor who exposes the apprentice to practical applications in all phases of a particular craft; (2) classroom-related instruction is designed to provide the apprentice with knowledge of theoretical and technical aspects of their craft. Total completion of an apprenticeship program will take up to five years, depending upon the craft.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students will achieve entry-level proficiency in all areas of carpentry as well as advanced training as work experience is added.	1, 2, 3, 4, 5
2. Students will be prepared to continue in the workforce having the necessary workplace skills.	2, 3, 4, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 5 CREDITS

COURSE		CR	SEM	PREREQUISITE
PLI 1470	Math for the Trades (QS)	5	A	

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (9 CREDITS)

Choose three credits from three of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (40 CREDITS)

COURSE		CR	SEM	PREREQUISITE
PLI 1110	Plumbing IA	5	F	PLI 1470 w/C or better or MATH 0990 placement
PLI 1120	Plumbing IB	5	Sp	PLI 1110 w/C or better and pass competency test
PLI 1210	Plumbing IIA	5	F	PLI 1120 w/C or better and pass competency test
PLI 1220	Plumbing IIB	5	Sp	PLI 1210 w/C or better and pass competency test
PLI 2310	Plumbing IIIA	5	F	PLI 1220 w/C or better and pass competency test
PLI 2320	Plumbing IIIB	5	Sp	PLI 2310 w/C or better and pass competency test
PLI 2410	Plumbing IVA	5	F	PLI 2320 w/C or better and pass competency test
PLI 2420	Plumbing IVB	5	Sp	PLI 2410 w/C or better and pass competency test

ELECTIVE COURSES:

COURSE		CR	SEM	PREREQUISITE
PLI 2000	Plumbing CO-OP	3-5	A	Departmental approval
PLI 2990	Plumbing Special Project	5	A	Departmental approval
PLI 2991	Plumbing Special Proj II	5	A	Departmental approval

NOTE: PLI students may still be short credit hours after having completed the major course requirements and general education requirements. If so, additional credit hours from one of the distribution areas will be necessary to meet the 63 credit hour minimum for the AAS degree.

SAMPLE SCHEDULE*			
SUMMER SEMESTER			
STUDENTS SHOULD COMPLETE THE FOLLOWING COURSE TO BEGIN THE PROGRAM IN THE FALL:			
PLI 1470 (QS)	5	(If CPT score not adequate; required for AAS degree)	
TOTAL	**0-5**		
FALL SEMESTER		**SPRING SEMESTER**	
PLI 1110	5	PLI 1120	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
ENGL 1010	3		
CM	3		
TOTAL	**6**		
FALL SEMESTER		**SPRING SEMESTER**	
PLI 1210	5	PLI 1220	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
HR	2-3		
DISTRIBUTION	3		
TOTAL	**5-6**		
FALL SEMESTER		**SPRING SEMESTER**	
PLI 2310	5	PLI 2320	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
DISTRIBUTION	6		
TOTAL	6		
FALL SEMESTER		**SPRING SEMESTER**	
PLI 2410	5	PLI 2420	5
Total	**5**	**Total**	**5**

Advising Notes: The classes are to be taken in the sequence in which they are given. A student must complete each class and a comprehensive competency exam with a C or higher grade to move on to the next level class. Each course will be offered once per year with odd number courses in the fall semester and even numbered courses in the spring semester. Those requiring a math class prior to entering the program should check the schedule to see if an offset class will be offered for first year students only. Failure to complete the necessary course work or to register in a timely manner for each class will add one full year to the apprentice's program.

All major PLI course requirements must be taken to complete the apprenticeship portion of the curriculum. The Plumbing Independent Technology courses are also available online.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the Apprenticeship program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

*It is recommended to those students seeking the AAS degree to complete the general education requirements in the summer semesters or the year following completion of the Apprenticeship core courses.

Additional Program Note: A Certificate in Plumbing Independent Technology is also available. For more information about this certificate, contact the Apprenticeship Office, Taylorsville Redwood Campus, CT 226, (801) 957-4066.

APPRENTICESHIP[CTE] PLUMBER/PIPEFITTER JATC TECHNOLOGY – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 63 credits minimum

Apprenticeship Division
Taylorsville Redwood Campus, CT 226
General Information, (801) 957-4073
Program Information, (801) 957-4066
http://www.slcc.edu/apprenticeship
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty: Generally, Apprenticeship faculty members are chosen from journeymen who are working in the field with a minimum of six years experience. All instructors are hired as adjunct on a semester-by-semester basis.

Program Description: Plumber/Pipefitters fabricate, remodel and repair all classes of piping systems. This program is registered with the Bureau of Apprenticeship and Training, and Apprentice registration is strongly encouraged. The national JATC curriculum has been adopted by the local sponsors and adherence to this and all other registering and licensing bodies must be strictly followed. An apprentice must have the approval of the JATC before registering for classes.

The College provides classroom-related and supplemental instruction for apprenticeship programs. Classes are held in the days, evenings, and Saturdays, depending on the program. The College neither provides on-the-job training nor acts as a sponsor for apprentices. Individuals must locate their own sponsors. For individual industry-sponsored programs, students should contact their employers' training director or the Apprenticeship Office.

The Department of Labor Office of Apprenticeship is the federal registering agency for all Utah programs. For National credentials, students and sponsors need to be registered with the Federal Office of Apprenticeship, 125 South State Street, Suite 2412, Salt Lake City, UT 84138. Sponsors are encouraged to be registered with the Office of Apprenticeship. All plumbers must register with the Utah State Division of Occupational and Professional Licensing, (801) 530-6628.

Career Opportunities: Apprenticeship students are expected to be employed while participating in related training course work.

Transfer/Articulation Information: Students who earn an AAS degree in Apprenticeship Plumber/Pipefitter JATC Technology have the option to transfer into the Technology Management Bachelor Degree at Utah Valley University. UVU will accept up to 45 technical credits towards this degree. Contact the University Center for current information at www.slcc.edu/universitycenter/programs or call (801) 957-4824.

Program Entry Requirements: All incoming apprentices must make application with and be approved by the JATC prior to registration for class.

Once apprentices are approved by the JATC, they may complete the getting started steps outlined here: http://www.slcc.edu/gettingstarted/index.asp

Total Program/Course Fees: $10.00 per class

Estimated Cost for Students: Tuition per semester: http://www.slcc.edu/cashiering/tuitionfees.asp

Note: Apprenticeship programs are **not** eligible for financial aid.

Estimated Time to Completion: Apprenticeship programs are composed of two parts: (1) on-the-job training is provided by a sponsor who exposes the apprentice to practical applications in all phases of a particular craft; (2) classroom-related instruction is designed to provide the apprentice with knowledge of theoretical and technical aspects of their craft. Total completion of an apprenticeship program will take up to five years, depending upon the craft.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students will achieve entry-level proficiency in all areas of carpentry as well as advanced training as work experience is added.	1, 2, 3, 4, 5
2. Students will be prepared to continue in the workforce having the necessary workplace skills.	2, 3, 4, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 4 CREDITS

COURSE	CR	SEM	PREREQUISITE

QS component is satisfied through program required coursework.

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE

Any approved CM course

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE

Any approved HR course

DISTRIBUTION AREAS: (6 CREDITS)

Choose three credits from two of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (45 CREDITS)

COURSE		CR	SEM	PREREQUISITE
PFA 1110	Trade Related Math	2		
PFA 1111	Soldering and Brazing	2		
PFA 1140	Principles of Technology	2		
PFA 1150	Job Safety and Heritage	2		
PFA 1160	Use & Care Pipe Fittings	2		
PFA 1170	Plumbing Science & Mechanics	2		
PFA 1210	Gas Installations	2		
PFA 1211	Hydronic Heating & Cooling Systems	2		
PFA 1250	Basic Electricity	2		
PFA 1260	Drafting and Plan Reading	2		
PFA 2151	Welding I	2		
PFA 2152	Welding II	2		
PFA 2153	Welding III	2		
PFA 2154	Welding IV	2		
PFA 2155	Welding V	2		

PFA 2156	Welding VI	2
PFA 2157	Welding VII	2
PFA 2158	Welding VIII	2
PFA 2159	Welding IX	2
PFA 2160	Welding X	2
PFA 2161	Pipe Bending	2
PFA 2162	Orbital Welding	2
PFA 2311	Pumps and Steam Systems	2
PFA 2331	Brazing and Compressor Overhaul	2
PFA 2350	Drainage	2
PFA 2351	Drainage II	2
PFA 2360	Water Supply	2
PFA 2361	Water Supply II	2
PFA 2441	Advanced Plan Reading	2
PFA 2450	Builders Level & Spec Inst	2
PFA 2460	Hydronics Systems	2
PFA 2470	Plumbing Fixtures and Appliances	2
PFA 2520	Plumber/Pipefitter V	2
PFA 2541	Medical Gas Certification	2
PFA 2550	Back Flow Testing Cert	2
PFA 2551	General Pipe Fitting	2
PFA 2552	General Pipe Fitting II	2

SAMPLE SCHEDULE

Contact the JATC for the most current PFA course schedule

FALL SEMESTER		**SPRING SEMESTER**	
PFA 1150	2	PFA 1110	2
PFA 1160	2	PFA 1111	2
Total	**4**	**Total**	**4**

FALL SEMESTER		**SRING SEMESTER**	
PFA 1250	2	PFA 1210	2
PFA 1260	2	PFA 1211	2
Total	**4**	**Total**	**4**

FALL SEMESTER		**SPRING SEMESTER**	
PFA 2350	2	PFA 2351	2
PFA 2360	3	PFA 2361	2
PFA 1170	2	PFA 2153	2
Total	**6**	**Total**	**6**

FALL SEMESTER		**SPRING SEMESTER**	
PFA 2450	2	PFA 2441	2
PFA 2470	2	PFA 2560	2
PFA 2541	2		
Total	**6**	**Total**	**4**

FALL SEMESTER		**SPRING SEMESTER**	
PFA 2161	2	PFA 2570	2
PFA 2162	2	PFA 2571	2
PFA 2551	2	PFA 2572	2
Total	**6**	**Total**	**6**

FALL SEMESTER		SPRING SEMESTER	
CM	3	HR	2-3
ENGL 1010	3	DISTRIBUTION (2)	6
Total	**6**	**Total**	**8-9**

Advising Notes: The classes are to be taken in the sequence in which they are given. A student must complete each class with a C or higher grade to move into the next level class. The JATC will schedule the PFA courses. For more information on when the PFA courses will be taught, please contact the JATC. It is recommended to those students seeking the AAS degree to complete the general education requirements in the summer semesters or the year following completion of all the Apprenticeship core courses.

Additional Program Note: A Certificate in Plumber/Pipefitter JATC Technology is also available. For more information about this certificate, contact the Apprenticeship Office, Taylorsville Redwood Campus, CT 226, (801) 957-4066.

APPRENTICESHIP[CTE] REFRIGERATION JATC TECHNOLOGY – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 63 credits minimum

Apprenticeship Division
Taylorsville Redwood Campus, CT 226
General Information, (801) 957-4073
Program Information, (801) 957-4066
http://www.slcc.edu/apprenticeship
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty: Generally, Apprenticeship faculty members are chosen from journeymen who are working in the field with a minimum of six years experience. All instructors are hired as adjunct on a semester-by-semester basis.

Program Description: Refrigeration fitters through the JATC Committee program do contract and custom installation, maintenance and services and repair of refrigeration and refrigerated and/or air conditioning units and systems. Work may include new construction and remodeling and repair of existing building units. A journeyman may specialize in either installation or as a service technician. The position requires extreme precision, good manual and finger dexterity, independent judgment, and considerable strength and agility. This program is registered with the Bureau of Apprenticeship and Training. The national JATC curriculum has been adopted by the local sponsors and adherence to this and all other registering and licensing bodies must be strictly followed. An apprentice must have the approval of the JATC before registering for classes.

The College provides classroom-related and supplemental instruction for apprenticeship programs. Classes are held in the days, evenings, and Saturdays, depending on the program. The College neither provides on-the-job training nor acts as a sponsor for apprentices. Individuals must locate their own sponsors. For individual industry-sponsored programs, students should contact their employers' training director or the Apprenticeship Office.

The Department of Labor Office of Apprenticeship is the federal registering agency for all Utah programs. For National credentials, students and sponsors need to be registered with the Federal Office of Apprenticeship, 125 South State Street, Suite 2412, Salt Lake City, UT 84138. Sponsors are encouraged to be registered with the Office of Apprenticeship. All electricians and plumbers must register with the Utah State Division of Occupational and Professional Licensing, (801) 530-6628.

Career Opportunities: Apprenticeship students are expected to be employed while participating in related training course work.

Transfer/Articulation Information: Students who earn an AAS degree in Apprenticeship Refrigeration JATC Technology have the option to transfer into the Technology Management Bachelor Degree at Utah Valley University. UVU will accept up to 45 technical credits towards this degree. Contact the University Center for current information at www.slcc.edu/universitycenter/programs or call (801) 957-4824.

Program Entry Requirements: All incoming apprentices must make application with and be approved by the JATC prior to registration for class.

Once apprentices are approved by the JATC, they may complete the getting started steps outlined here: http://www.slcc.edu/gettingstarted/index.asp

Total Program/Course Fees: $10.00 per class

Estimated Cost for Students: Tuition per semester: http://www.slcc.edu/cashiering/tuitionfees.asp

Note: Apprenticeship programs are **not** eligible for financial aid.

Estimated Time to Completion: Apprenticeship programs are composed of two parts: (1) on-the-job training is provided by a sponsor who exposes the apprentice to practical applications in all phases of a particular craft; (2) classroom-related instruction is designed to provide the apprentice with knowledge of theoretical and technical aspects of their craft. Total completion of an apprenticeship program will take up to five years, depending upon the craft.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students will achieve entry-level proficiency in all areas of carpentry as well as advanced training as work experience is added.	1, 2, 3, 4, 5
2. Students will be prepared to continue in the workforce having the necessary workplace skills.	2, 3, 4, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 4 CREDITS

COURSE	CR	SEM	PREREQUISITE

QS component is satisfied through program required coursework.

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (6 CREDITS)

Choose three credits from two of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (45 CREDITS)

COURSE		CR	SEM	PREREQUISITE
RFA 1250	Refrigeration Basic Elec	2		
RFA 2300	Electrical Controls	2		
RFA 2310	Steam Systems	2		
RFA 2350	Refrigeration I	2		
RFA 2400	Air Conditioning I	2		
RFA 2410	Troubleshooting	2		
RFA 2450	Chillers	2		
RFA 2500	Shop Projects	2		
RFA 2510	Evaporators, Compressors, Condensers	2		
RFA 2520	Refrigerant Controls	2		
RFA 2530	Start, Test and Balance I	2		
RFA 2540	Start, Test and Balance II	2		
RFA 2560	Instrumentation, Process	2		

	Cntrl	
RFA 2570	Pneumatic Controls	2
RFA 2580	Air Conditioning II	2
RFA 2590	Refrigeration II	2
RFA 2600	Advanced Electricity & Electronics	2
RFA 2610	Test Prep-Refrigeration	2

SAMPLE SCHEDULE

Contact the JATC for the most current RFA/PFA course schedule

FALL SEMESTER		**SPRING SEMESTER**	
PFA 1150	2	PFA 1110	2
PFA 1250	2	RFA 2590	2
RFA 2350	2	RFA 2600	2
TOTAL	**6**	**TOTAL**	**6**

FALL SEMESTER		**SPRING SEMESTER**	
PFA 1260	2	PFA 1111	2
RFA 2400	2	RFA 2580	2
TOTAL	**4**	**TOTAL**	**4**

FALL SEMESTER		**SPRING SEMESTER**	
RFA 2450	2	RFA 2410	2
RFA 2570	2	RFA 2510	2
TOTAL	**4**	**TOTAL**	**4**

FALL SEMESTER		**SPRING SEMESTER**	
PFA 1170	2	PFA 1211	2
PFA 2311	2	PFA 2441	2
RFA 2300	2	RFA 2520	2
TOTAL	**6**	**TOTAL**	**6**

FALL SEMESTER		**SPRING SEMESTER**	
PFA 2158	2	PFA 1210	2
PFA 2161	2	PFA 2571	2
RFA 2530	2	RFA 2540	2
TOTAL	**6**	**TOTAL**	**6**

FALL SEMESTER		**SPRING SEMESTER**	
CM	3	HR	2-3
ENGL 1010	3	DISTRIBUTION	6
TOTAL	**6**	**TOTAL**	**8-9**

Advising Notes: The classes are to be taken in the sequence in which they are given. A student must complete each class with a C or higher grade to move on to the next level. The JATC will schedule the RFA and PFA courses. For more information on when the RFA and PFA courses will be taught, please contact the JATC. It is recommended to those students seeking the AAS degree to complete the general education requirements in the summer semesters or the year following completion of all the Apprenticeship core courses.

Additional Program Note: A Certificate in Refrigeration JATC Technology is also available. For more information about this certificate, contact the Apprenticeship Office, Taylorsville Redwood Campus, CT 226, (801) 957-4066.

APPRENTICESHIP[CTE] STAGEHAND JATC TECHNOLOGY – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 63 credits minimum

Apprenticeship Division
Taylorsville Redwood Campus, CT 226
General Information, (801) 957-4073
Program Information, (801) 957-4066
http://www.slcc.edu/apprenticeship
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty: Generally, Apprenticeship faculty members are chosen from journeymen who are working in the field with a minimum of six years experience. All instructors are hired as adjunct on a semester-by-semester basis.

Program Description: The stagehand program trains apprentices in the art of constructing, setting up and moving of props and stage accessories. The work also includes all sound systems, lighting systems and overall facilities for any stage or movie production. This is a three-year program requiring 6,000 hours of on-the-job training and a minimum of 432 hours of related and supplemental instruction. The program follows a national curriculum which has been approved and registered with the Bureau of Apprenticeship and Training and adopted by local sponsors.

The College provides classroom-related and supplemental instruction for apprenticeship programs. Classes are held in the days, evenings, and Saturdays, depending on the program. The College neither provides on-the-job training nor acts as a sponsor for apprentices. Individuals must locate their own sponsors. For individual industry-sponsored programs, students should contact their employers' training director or the Apprenticeship Office.

The Department of Labor Office of Apprenticeship is the federal registering agency for all Utah programs. For National credentials, students and sponsors need to be registered with the Federal Office of Apprenticeship, 125 South State Street, Suite 2412, Salt Lake City, UT 84138. Sponsors are encouraged to be registered with the Office of Apprenticeship.

Career Opportunities: Apprenticeship students are expected to be employed while participating in related training course work.

Transfer/Articulation Information: Students who earn an AAS degree in Stagehand JATC Technology have the option to transfer into the Technology Management Bachelor Degree at Utah Valley University. UVU will accept up to 45 technical credits towards this degree. Contact the University Center for current information at www.slcc.edu/universitycenter/programs or call (801) 957-4824.

Program Entry Requirements: All incoming apprentices must make application with and be approved by the JATC prior to registration for class.

Once apprentices are approved by the JATC, they may complete the getting started steps outlined here: http://www.slcc.edu/gettingstarted/index.asp

Estimated Cost for Students: Tuition per semester: http://www.slcc.edu/cashiering/tuitionfees.asp

Note: Apprenticeship programs are **not** eligible for financial aid.

Estimated Time to Completion: Apprenticeship programs are composed of two parts: (1) on-the-job training is provided by a sponsor who exposes the apprentice to practical applications in all phases of a particular craft; (2) classroom-related instruction is designed to provide the apprentice with knowledge of theoretical and technical aspects of their craft. Total completion of an apprenticeship program will take up to five years, depending upon the craft.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students will achieve entry-level proficiency in all areas of the stagehand industry as well as advanced training as work experience is added.	1, 2, 3, 4, 5
2. Students will be prepared to continue in the workforce having the necessary workplace skills.	2, 3, 4, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 5 CREDITS

COURSE		CR	SEM	PREREQUISITE
APPR 1470	Math for Trades	5	A	

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (18 CREDITS)

Choose three credits from each of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (30 CREDITS)

COURSE		CR	SEM	PREREQUISITE
SHA 1110	Stagehand IA	5		JATC approval
SHA 1120	Stagehand IB	5		SHA 1110 w/C grade or better
SHA 1210	Stagehand IIA	5		SHA 1120 w/C grade or better
SHA 1220	Stagehand IIB	5		SHA 1210 w/C grade or better
SHA 2310	Stagehand IIIA	5		SHA 1220 w/C grade or better
SHA 2320	Stagehand IIIB	5		SHA 2310 w/C grade or better

ELECTIVE COURSES

COURSE		CR	SEM	PREREQUISITE
SHA 2000	Stagehand CO-OP	2-4	A	Department approval

SAMPLE SCHEDULE*			
Students should complete the following course to begin the program in the Fall:			
APPR 1470	5		
FALL SEMESTER		**SPRING SEMESTER**	
SHA 1110	5	SHA 1120	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
ENGL 1010	3		
CM	3		
ID	3-4		
Total	**9-10**		
FALL SEMESTER		**SPRING SEMESTER**	
SHA 1210	5	SHA 1220	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
BS	3-4		
HR	2-3		
HU	3		
Total	**8-10**		
FALL SEMESTER		**SPRING SEMESTER**	
SHA 2310	5	SHA 2320	5
Total	**5**	**Total**	**5**
SUMMER SEMESTER*			
FA	3-4		
PS	3		
SS	3		
Total	**9-10**		

Advising Notes: All major SHA course requirements must be taken to complete the apprenticeship core curriculum. Classes are to be taken in the sequence in which they are given. Students must complete each class with a C or higher grade to move on to the next level class. The JATC will schedule the SHA courses. For more information on when the SHA courses will be taught, please contact the JATC.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

*It is recommended to those students seeking the AAS degree to complete the general education requirements in the summer semesters.

Additional Program Note: A Certificate in Stagehand JATC Technology is also available. For more information about this certificate, contact the Apprenticeship Office, Taylorsville Redwood Campus, CT 226, (801) 957-4066.

APPRENTICESHIP[CTE] WELDING TECHNOLOGY – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 63 credits minimum

Apprenticeship Division
Taylorsville Redwood Campus, CT 226
General Information, (801) 957-4073
Program Information, (801) 957-4066
http://www.slcc.edu/apprenticeship
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Generally, Apprenticeship faculty members are chosen from journeymen who are working in the field with a minimum of six years experience. All instructors are hired as adjunct on a semester-by-semester basis.

Program Description: The Welding Technology curriculum is offered on as an as-needed basis. Please consult the semester class schedule for the courses being offered or contact the Apprenticeship Office for class availability.

Additional Program Note: A Certificate in Welding Technology is also available. For more information about this certificate, contact the Apprenticeship Office, Taylorsville Redwood Campus, CT 226, (801) 957-4066.

ARCHITECTURE – ASSOCIATE OF SCIENCE[CTE] (AS) 60 credits minimum

Visual Art & Design Division
Taylorsville Redwood Campus, TB 416E
General Information, (801) 957-4827
Program Information, (801) 957-3932
http://www.slcc.edu/arch
Academic Advisor, SI 209, (801) 957-4858

Faculty:
Professor: Jeff Plant
Associate Professors: Norman Clark, Kevin King

Program Description: The Architectural Technology Department offers a program completing the requirements for two-year Associate of Science (AS) degrees for students who plan to transfer to a four-year.

The major aspects of architectural design and practice are presented to students in a balanced approach that allows them to gain a general understanding of the profession and practice as well as to acquire marketable skills in design, architectural practice, construction documentation, CAD and computer graphics.

This program introduces students to basic concepts in architectural design and delineation. Beginning skills in design are acquired as students learn to generate creative solutions to various design problems. Skills are developed in the area of delineation with courses presenting concepts of freehand sketching, perspectives, digital image manipulation and other methods of design idea representation.

The program emphasizes the real world application of all concepts, principles and techniques. Instruction is enhanced by exposing the students to real world materials and techniques through instructor experience and knowledge as well as visits from and exposure to architectural design professionals.

Life skills also are stressed to enhance students' architectural skills. These include communication, time management, graphics, creative problem solving, group dynamics, responsibility and professionalism. Students are qualified for a variety of job and educational opportunities upon completion of the program.

Career Opportunities: This program also provides excellent entry-level skills, which when built upon, will enable students to advance to lower- or middle-management positions, depending on the individual person. However, at the highest end of the profession, architecture requires advanced education and licensing. One usually cannot advance to upper-level management, partnership, or ownership positions without a Bachelor or Master of Architecture degree (BArch or MArch).

Transfer/Articulation Information: The AS degree is designed to transfer to four-year institutions in the Utah System of Higher Education. This program has been specifically designed to be an integral part of the bachelor's degree in architecture and is transferable to the University of Utah. Students who plan to transfer to the University of Utah should make contact with the architecture department early in their program. Students entering SLCC or the U of U have the opportunity to complete the same program in the same number of years.

To help students with additional professional education, the Architectural Technology program has transfer options to the College of Architecture + Planning at the University of Utah. There is a direct transfer articulation to the undergraduate Architecture program where 2 years at SLCC are equivalent to 2 years at the University of Utah and an indirect articulation to the City and Metropolitan undergraduate program.

Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Estimated Cost for Students: $600- $800 per year for books and supplies

Estimated Time to Completion: If students follow the suggested sample schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Be prepared for transfer to University of Utah Graduate School of Architecture program.	1
2. Demonstrate knowledge of residential and commercial construction processes, methods and materials.	1
3. Demonstrate competency in CAD drafting	1
4. Demonstrate knowledge of local and national building codes level appropriate for a second year student.	1
5. Will take current (up-to-date) courses that will help them be prepared to apply for employment in the field.	1
6. Demonstrate architectural conceptual design skills.	1, 2
7. Acquire substantive knowledge in architectural design sufficient for further study in 4-year institutions.	1, 3
8. Effectively communicate. Develop critical reading, writing, speaking, and listening skills. Organize and present ideas and information orally and in writing. Understand and use the elements of effective communication in group settings.	2
9. Communicate effectively in the architectural profession.	2
10. Communicate effectively while working in groups and teams in the classroom.	2
11. Demonstrate proficiency in inspecting construction projects to insure compliance with plans, specifications, building codes and quality assurance standards.	4
12. Demonstrate competence in architectural contracting practices.	4
13. Engage in service-learning for community building and an enhanced academic experience.	5
14. Demonstrate the knowledge base of how architectural design, building codes, and zoning ordinance affect the local communities.	5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better
OR				
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) CHOOSE ONE COURSE (3-4 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
MATH 1210	Calculus I	4	A	Within the last year MATH 1060 or 1080 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

DISTRIBUTION AREAS:
Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3

NOTE: The Physical Science (PS) general education component is satisfied through premajor coursework.

REQUIRED COURSES: (17 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ARCH 1010	Intro to Des Pro	3	F	
ARCH 1130	Basic Drawing	3	F	
ARCH 1510	Arch Design Wkshp	3	Sp	
PHYS 2010	College Physics I	4	A	MATH 1060 or MATH 1080. Recommended coreq: PHYS 2015
PHYS 2020	College Physics II	4	A	PHYS 2010. Recommended coreq: PHYS 2025

ELECTIVE COURSES: (11 CREDITS)

The following courses are approved departmental electives. Student must select a minimum of 11 credits from the following list. It is the student' responsibility to examine each course description for details of prerequisite courses. Students should review courses to determine the best fit for their future transfer institution and review with faculty from the Architectural Department.

COURSE		CR	SEM	PREREQUISITE
ARCH 1210	Residential Con	5	Sp	ARCH 1310 or 2350
ARCH 1310	Intro AutoCAD	3	F, Sp	
ARCH 1350	Comp Graphics	3	F	
ARCH 2150	Arch Graphics	3	Sp	ARCH 1130
ARCH 2310	Mdlng/Rndng/AnmI	3	F	
ARCH 2320	Mdlng/Rndng/AnmII	3	Sp	ARCH 2310
ARCH 2350	Adv Arch CAD	3	Sp	
ARCH 2510	Arch CAD II	5	F	ARCH 1210 and 1310
ARCH 2520	Arch CAD III	5	Sp	ARCH 2210 and 2510

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ARCH 1010	3	ARCH ELEC	8
ARCH 1130	3	ENGL 2010/2100	3
ARCH ELEC	3	DISTRIBUTION	3
ENGL 1010	3	LW	1
DISTRIBUTION	3		
Total	**15**	**Total**	**15**
FALL SEMESTER		**SPRING SEMESTER**	
PHYS 2010	4	ARCH 1510	3
STUDENT CHOICE	3	PHYS 2020	4
AI	3	MATH 1210	4
DISTRIBUTION (2)	6	DISTRIBUTION	3
Total	**16**	**Total**	**14**

Advising Notes It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken.

Students who need to take preparatory classes to meet the requirements of first semester courses should plan extra time to complete a degree. A high school curriculum heavily weighted in mathematics, science, and communication skills is highly recommended. Placement testing will be done upon entry to the College unless the student has prior college-level credit.

The semester in which the courses are taught are listed above. Please note that because of the nature of the program, classes are sequential and not offered every semester. Students should check department web page for updates and cancellations due to varying enrollments.

Student Organizations:

Skills USA - All students enrolled in the architecture program are members of Skills USA and have the opportunity to compete in an annual architectural competition.

CSI (Construction Specifications Institute) - Students have an opportunity to join CSI, a national organization that allows students to associate with industry professionals, participate in sponsored design competitions, and participate in community service projects and develop leadership skills.

ARCHITECTURE – CONSTRUCTION MANAGEMENT – ASSOCIATE OF SCIENCE[CTE] (AS) 62 credits minimum

Visual Art & Design Division
Taylorsville Redwood Campus, TB 416E
General Information, (801) 957-4827
Program Information, (801) 957-3932
http://www.slcc.edu/arch
Academic Advisor, SI 209, (801) 957-4858

Faculty:
Professor: Jeff Plant
Associate Professors: Norman Clark, Kevin King

Program Description: The AS Degree is designed to transfer to four-year institutions in the Utah System of Higher Education. This program is specifically designed to transfer to Weber State University in accordance with the established articulation agreement and fulfills the lower level course requirements for the Bachelor of Science in Construction Management Technology with an emphasis in either Construction Management or Facilities Management. Students who plan to transfer to Weber should make contact with the Parson's Construction Management Technology Program early in their course of study, at (801) 626-7761. Students entering SLCC or Weber have the opportunity to complete the same program in the same number of years.

The Construction Management Program is designed to provide professional development training for individuals desiring to work in construction and architectural industries and associated fields. Students in the program will be trained in the techniques and practices of organizing and supervising the construction process. All courses will be taught by members of the industry.

The program will provide individuals planning to pursue construction management as a career with course work that can augment the job-related experience gained during or after enrollment at the College. Courses in the program concentrate primarily on those skills utilized in the field including cost estimating, bidding contracts and liability, supervision and safety, scheduling and coordination and mechanical and electrical interface in buildings.

Changes can be made to the AS program at any time to match the Weber CMT program and maintain the articulation. It is recommended that students contact the Architectural Technology Department Coordinator at (801) 957-3932, The University Center Academic Advisor at (801) 957-4734, or Parson's Construction Management Technology Department Coordinator at Weber State at (801) 626-8051. They will provide the latest approved course lists and sample schedules.

Transfer/Articulation Information: The program currently offers classes from Weber State University through the SLCC University Center program that allows students to take Weber State University Construction Management classes at SLCC and obtain a B.S. in Construction Management.

Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Estimated Time to Completion: If students follow the suggested sample schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Be prepared for transfer to Weber State's Parson Construction Management Technology program.	1
2. Demonstrate knowledge of residential and commercial construction processes, methods and materials.	1

3. Demonstrate knowledge of local and national building codes level appropriate for a second year student.	1
4. Take current (up-to-date) courses that will help them be prepared to apply for employment in the field.	1
5. Acquire substantive knowledge in architectural design/construction management sufficient for further study in 4-year institutions.	1,3
6. Effectively communicate. Develop critical reading, writing, speaking, and listening skills. Organize and present ideas and information orally and in writing. Understand and use the elements of effective communication in group settings.	2
7. Communicate effectively in the architectural profession.	2
8. Communicate effectively while working in groups and teams in the classroom.	2
9. Apply basic technical concepts to the solution of construction problems involving estimating, structures, and management.	3
10. Utilize modern instruments methods and techniques to implement construction contracts documents and codes	4
11. Demonstrate the knowledge base of how building codes, and zoning ordinance affect local communities.	5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better
OR				
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1060	Trigonometry	3	A	RDG 0990; within the last year MATH 1050 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3

NOTE: The Physical Science (PS) general education component is satisfied through pre-major coursework.

NOTE: Students planning to transfer to Weber State University should take ART 2720 for Humanities (HU) and BIOL 1400/1405 for Interdisciplinary (ID).

REQUIRED COURSES: (28 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ARCH 1010	Intro Design Pro	3	F	
ARCH 1100	Intro Arch Draw	3	Sp	
ARCH 1210	Residential Con	5	Sp	ARCH 1310 or 2350
ARCH 2060	Cons Doc Fund	3	F	ARCH 1010 or CMGT 1010 or instructor approval
ARCH 2210	Commercial Const	5	F	ARCH 1210 or CMGT 1010
ARCH 2460	Constr Estimating	2	F, Sp	ARCH 1210 or CMGT 1010
ARCH 2470	Codes Zoning Inspect	2	F, Sp	
PHYS 2010	College Physics I	4	A	MATH 1060 or MATH 1080. Recommended coreq: PHYS 2015
PHYS 2015	College Physics I Lab	1	A	MATH 1060 or MATH 1080. Recommended coreq: PHYS 2010

ELECTIVE COURSES: SELECT ONE COURSE (3 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ARCH 1310	Intro AutoCAD	3	F, Sp	
ARCH 2350	Adv Arch CAD	3	Sp	

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ARCH 1010	3	ARCH 1100	3
COMM 1020	3	ARCH 1210	5
ENGL 1010	3	ENGL 2010/2100	3
DISTRIBUTION	3	DISTRIBUTION	3
ARCH ELEC	3	LW	1
Total	**15**	**Total**	**15**
FALL SEMESTER		**SPRING SEMESTER**	
ARCH 2060	3	ARCH 2460	2
ARCH 2210	5	ARCH 2470	2
MATH 1060	3	PHYS 2010/2015	5
AI	3	DISTRIBUTION (2)	6
DISTRIBUTION	3		
Total	**17**	**Total**	**15**

Advising Notes: Please note that required departmental classes are not offered every semester. To graduate in two years, a student must follow the suggested program schedule.

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken.

Additional Program Notes: In addition to the required courses listed above, Weber State University's Construction Management program requires the following elective courses that may be completed at SLCC:

COURSE		CR	SEM	PREREQUISITE
ACCT 2010	Survey Fin Acct	3	A	
BIOL 1400	Environmental Biology	4	F,Sp	Coreq: BIOL 1405
BIOL 1405	Environmental Bio Lab	0	F,Sp	Coreq: BIOL 1400
CMGT 2050	Concrete Theory	3	F, Sp	
ECON 2010	Microeconomics	3	A	
ECON 2020	Macroeconomics	3	A	
GEO 1110	Physical Geology	3	F	Coreq: GEO 1115
GEO 1115	Physical Geology Lab	1		Coreq: GEO 1110
OR				
GEO 1060	Environmental Geol	3	Sp	Coreq: GEO 1065
GEO 1065	Environment Geol Lab	1	Sp	Coreq: Geo 1060
MGT 2050	Legal Env of Bus	3	A	BUS 1050
SVT 1030	Survey Field Technology	3	F	SVT 1110 or MATH 1060

ARCHITECTURAL TECHNOLOGY – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 67 credits minimum

Visual Art & Design Division
Taylorsville Redwood Campus, TB 416E
General Information, (801) 957-4827
Program Information, (801) 957-3932
http://www.slcc.edu/arch
Academic Advisor, SI 209, (801) 957-4858

Program Faculty:
Professor: Jeff Plant
Associate Professors: Norman Clark, Kevin King

Program Description: The Architectural Technology program curriculum leads to an AAS in Architectural Technology and is designed to provide students with the skills required to become architectural CAD/BIM operators. The AAS curriculum concentrates on the process involved in preparing sets of presentation and construction documents. Drawing skills are developed using computer-aided design (CAD) and building information modeling (BIM) systems. In this process, students study construction details, mechanical systems, building code, specifications and building construction techniques.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Be prepared for drafting positions in architectural offices, building construction and development firms, and consulting engineering offices.	1,5
2. Demonstrate knowledge of residential and commercial construction processes, methods and materials.	1
3. Demonstrate competency in CAD drafting	1
4. Demonstrate knowledge of local and national building codes level appropriate for a second year student.	1
5. Program is current (up-to-date) and continues to offer courses that will help students be prepared to apply for employment in the field.	1
6. Demonstrate architectural drafting and design skills for a set of plans.	1,2,4
7. Acquire substantive knowledge of architectural drawing to assist engineers and owners in the construction process.	1,2
8. Effectively communicate. Develop critical reading, writing, speaking, and listening skills. Organize and present ideas and information orally and in writing. Understand and use the elements of effective communication in group settings.	2
9. Validate the ability to communicate effectively to the architectural profession.	2
10. Communicate effectively while working in classroom groups and teams, brainstorming and synthesizing ideas into workable schemes and presentations.	2
11. Demonstrate proficiency in inspecting construction projects to insure compliance with plans, specifications, building codes and quality assurance standards.	4
12. Demonstrate competence in the preparation of written specifications.	2,4
13. Engage in service-learning for community building and an enhanced academic experience.	5
14. Demonstrate the knowledge base of how architectural design, building codes, and zoning ordinances affect cities, etc.	5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Intermed Algebra	4	A	RDG 0900 w/C or better and within the past year, MATH 0990 w/C grade or better, or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem Effective Comm	3	A	
OR				
COMM 1020	Prin Public Speaking	3	A	

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE		CR	SEM	PREREQUISITE
LE 1220	Human Relations	3	A	

DISTRIBUTION AREAS: (3 CREDITS)

Choose an additional three credits from one of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (51 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ARCH 1010	Intro Design Pro	3	F	
ARCH 1100	Intro Arch Draw	3	Sp	
ARCH 1130	Basic Drawing	3	F	
ARCH 1210	Residential Con	5	Sp	ARCH 1310 or 2350
ARCH 1310	Intro AutoCAD	3	F	
ARCH 1350	Comp Graphics	3	F	
ARCH 1510	Arch Des Wksp	3	Sp	
ARCH 2060	Cons Doc Fund	3	F	ARCH 1010 or CMGT 1010 or instructor approval
ARCH 2150	Arch Graphics	3	Sp	ARCH 1130
ARCH 2210	Commercial Const	5	F	ARCH 1210 or CMGT 1010
ARCH 2240	Applied Structures	4	F, Sp	
ARCH 2310	Mdlng/Rndng/AnmI	3	F	
ARCH 2510	Arch CAD II	5	F	ARCH 1210 and 1310
ARCH 2520	Arch CAD III	5	Sp	ARCH 2210 and 2510

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ARCH 1010	3	ARCH 1100	3
ARCH 1130	3	ARCH 1210	5
ARCH 1310	3	ARCH 2150	3
ARCH 1350	3	ENGL 1010	3
ARCH 2240	4	COMM 1010/1020	3
Total	**16**	**Total**	**17**

FALL SEMESTER		SPRING SEMESTER	
ARCH 2060	3	ARCH 1510	3
ARCH 2210	5	ARCH 2520	5
ARCH 2310	3	LE 1220	3
ARCH 2510	5	MATH 1010	4
		DISTRIBUTION	3
Total	**16**	**Total**	**18**

Advising Notes: Please note that required departmental classes are not offered every semester. To graduate in two years, a student must follow the suggested program schedule.

It is the student's responsibility to examine each course description for details about the prerequisite classes. Those prerequisites must be satisfies before the designated class may be taken

ARCHITECTURAL TECHNOLOGY – CAD/BIM EMPHASIS – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 66 credits minimum

Visual Art & Design Division
Taylorsville Redwood Campus, TB 416E
General Information, (801) 957-4827
Program Information, (801) 957-3932
http://www.slcc.edu/arch
Academic Advisor, SI 209, (801) 957-4858

Program Faculty:
Professor: Jeff Plant
Associate Professors: Norman Clark, Kevin King

Program Description: Computers are being used at an increasing rate in the practice of architecture. A large percentage of design professionals perform a majority of their drawings using CAD systems. Professionals are using computers for many tasks, including graphic delineation, modeling, rendering, animation and to establish internet presence and interaction.

Students in the Architectural CAD/Computer Graphics program will have the opportunity to specialize their architectural training in the developing area of computers. This specialization will provide students with the opportunity to develop computer skills in all areas of CAD, BIM, modeling, rendering, animation and graphic presentation.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Be prepared for drafting positions in architectural offices, building construction and development firms, and consulting engineering offices.	1,5
2. Demonstrate knowledge of residential and commercial construction processes, methods and materials.	1
3. Demonstrate competency in CAD drafting	1
4. Demonstrate knowledge of local and national building codes level appropriate for a second year student.	1
5. Program is current (up-to-date) and continues to offer courses that will help students be prepared to apply for employment in the field.	1
6. Demonstrate architectural drafting and design skills for a set of plans.	1,2,4
7. Acquire substantive knowledge of architectural drawing to assist engineers and owners in the construction process.	1,2
8. Effectively communicate. Develop critical reading, writing, speaking, and listening skills. Organize and present ideas and information orally and in writing. Understand and use the elements of effective communication in group settings.	2
9. Validate the ability to communicate effectively to the architectural profession.	2
10. Communicate effectively while working in classroom groups and teams, brainstorming and synthesizing ideas into workable schemes and presentations.	2
11. Demonstrate proficiency in inspecting construction projects to insure compliance with plans, specifications, building codes and quality assurance standards.	4
12. Demonstrate competence in the preparation of written specifications.	2,4

13. Engage in service-learning for community building and an enhanced academic experience.	5
14. Demonstrate the knowledge base of how architectural design, building codes, and zoning ordinances affect cities, etc.	5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Intermed Algebra	4	A	RDG 0900 w/C or better and within the past year, MATH 0990 w/C grade or better, or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem Effective Comm	3	A	
OR				
COMM 1020	Prin Public Speaking	3	A	

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE		CR	SEM	PREREQUISITE
LE 1220	Human Relations	3	A	

DISTRIBUTION AREAS: (3 CREDITS)

Choose an additional three credits from one of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (50 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ARCH 1010	Intro Design Pro	3	F	
ARCH 1100	Intro Arch Draw	3	Sp	
ARCH 1130	Basic Drawing	3	F	
ARCH 1210	Residential Con	5	Sp	ARCH 1310 or 2350
ARCH 1310	Intro AutoCAD	3	F	
ARCH 1350	Comp Graphics	3	F	
ARCH 1510	Arch Des Wksp	3	Sp	
ARCH 2210	Commercial Const	5	F	ARCH 1210 or CMGT 1010
ARCH 2310	Mdlng/Rndng/AnmI	3	F	
ARCH 2320	Mdlng/Rndng/AnmII	3	Sp	ARCH 2310
ARCH 2330	CAD Custom	3	Sp	ARCH 1310
ARCH 2350	Adv Arch CAD	3	Sp	
ARCH 2510	Arch CAD II	5	F	ARCH 1210 and 1310
ARCH 2520	Arch CAD III	5	Sp	ARCH 2210 and 2510

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ARCH 1010	3	ARCH 1100	3
ARCH 1130	3	ARCH 1210	5
ARCH 1310	3	COMM 1010/1020	3
ARCH 1350	3	ENGL 1010	3
MATH 1010	4	DISTRIBUTION	3
Total	**16**	**Total**	**17**
FALL SEMESTER		**SPRING SEMESTER**	
ARCH 2210	5	ARCH 1510	3
ARCH 2310	3	ARCH 2320	3
ARCH 2510	5	ARCH 2330	3
LE 1220	3	ARCH 1250	3
		ARCH 2520	5
Total	**16**	**Total**	**17**

Advising Notes: Please note that required departmental classes are not offered every semester. To graduate in two years, a student must follow the suggested program schedule.

It is the student's responsibility to examine each course description for details about the prerequisite classes. Those prerequisites must be satisfies before the designated class may be taken

AUTOMOTIVE COLLISION REPAIR AND REFINISHING – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 64 credits minimum

Technical Specialties Division
Miller Campus, MATC 106
General Information, (801) 957-4073
Program Information, (801) 957-5365
http://www.slcc.edu/autotechnologies
Academic Advisor, Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Professors – Neal Grover
Instructors – Charles Spainhower

Program Description: This is a two-year composite program of automotive refinishing and collision repair. Students may only start every Fall semester in the major courses because of course prerequisites. Students enrolled in the program register for the same theory and laboratory classes, but the related education classes will be different from those offered in the auto refinishing and auto collision repair certificate programs. General Education and elective courses provide training in effective oral and written communication and human relations skills.

Career Opportunities: Auto collision repair and refinishing specialists receive excellent pay and job security. Students can take advantage of SLCC's strong network in the auto repair industry for job placement and career enhancement.

Earnings in this field of technology are dependent upon a person's work ethic and productivity. There are untold numbers of jobs available for anyone who completes the program.

Many jobs are not in the actual hands-on repair area. Jobs can range from sales of automotive repair products, including paint coatings, to insurance claims to shop manager. It is not uncommon for workers to earn $75,000 to over $100,000 annually. Because of the tremendous demand for trained technicians, beginning workers move rapidly up the ladder to higher paying positions.

Transfer/Articulation Information: Students who earn an AAS degree in Automotive Collision Repair and Refinishing have the option to transfer into the Technology Management Bachelor Degree at Utah Valley University. UVU will accept up to 45 technical credits towards this degree. Contact the University Center for current information. http://www.slcc.edu/universitycenter/programs or call 801-957-4824

Program Entry Requirements: The collision repair technician's work requires fast job analysis and the ability to visualize what is needed to restore the damaged vehicle. Those interested in entering auto collision repair and refinishing should be in good physical condition, have good hand-eye coordination, manual dexterity, and have an appreciation and understanding of color.

Students may start the major courses during the Fall semester only. For information on getting started, please visit http://www.slcc.edu/gettingstarted/index.asp

Estimated Cost for Students:

Tuition per semester: http://www.slcc.edu/cashiering/tuitionfees.asp
Tools and Supplies: $800
Books: $250

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally

1. Students will gain entry level employment skills in Non-Structural Collision Damage Repair. ACR 1100 and ACR 1111 1. I-CAR WKR 01 Worker Protection. General shop safety and working with potentially hazardous materials found in the industry. 2. I-CAR FCR 01 Fundamentals of Collision Repair 3. I-CAR WCS 01 Welding and Cutting Steel 4. I-CAR DAM 01 Damage Analysis Program one. Vehicle ID, Estimating Systems, and Terminology. 5. I-CAR DAM 02 Damage Analysis Program two. Frontal Impact Analysis. 6. I-CAR DAM 03 Damage Analysis Program three. Mechanical Systems Analysis. 7. I-CAR DAM 04 Damage Analysis Program four. Restraints, Interior Glass, Side and Rear Impact Analysis. 8. I-CAR WCS 05 Oxy-acetylene/Plasma Arc Cutting 9. I-CAR GLA 01 Movable Glass and Hardware	1, 3, 4
2. Students will gain entry level employment skills in Structural Collision Damage Repair. ACR 1200 and ACR 1211 1. I-CAR Corrosion Protection Steel. 2. I-CAR Stationary Glass 01 Stationary Glass Service 3. I-CAR MEA 01 Measuring 4. I-CAR SSS 01 Structural Straightening Steel 5. I-CAR SPS 01. Steel Unibody Front and Rear Rails, Floors and Front Structures 6. I-CAR SPS 02 Steel Unibody A-, B-, C-, D-Pillars, and Rocker Panels 7. I-CAR SPS 03 Steel Full Frame Sectioning 8. I-CAR WCS 03 Automotive Steel GMAW (MIG) Welding Qualification Test	1, 3, 4
3. Students will gain entry level employment skills in Surface Preparation and application of undercoats. AR 1100 and AR 1111 1. I-CAR WKR 01 Worker Protection. General shop safety and working with potentially hazardous materials found in the industry. 2. I-CAR REF 04 Detailing 3. I-CAR REF 01 Refinishing Equipment And VOC Regulations 4. I-CAR REF 02 Surface Preparation and Masking	1, 3, 4
4. Students will gain entry level employment in the Application of Topcoats. AR 1200 and AR 1211 Theory and lab courses in advanced refinishing procedures and techniques including color matching and multi-stage finishes.	1, 3, 4

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
IND 1120	Math for Industry	3	F, Sp	MATH 0900

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (3 CREDITS)

Choose an additional three credits from one of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (50 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ACR 1100	Metal/Nonstrc Parts	5	F	Coreq: ACR 1111
ACR 1111	Nonstrc Skill Apl Dev	7	F	Coreq: ACR 1100
ACR 1200	Struc Ana Damage Rpr	5	Sp	ACR 1110 and 1111. Coreq: ACR 1211
ACR 1211	Struc Damage Repair	7	Sp	ACR 1110 and 1111. Coreq: ACR 1200
AR 1100	Auto Refinishing	5	F	Coreq: AR 1111
AR 1111	Refinish Skill Dev	7	F	Coreq: AR 1100
AR 1200	Adv Auto Refinish	5	Sp	AR 1100 and 1111. Coreq: AR 1211
AR 1211	Adv Skill Devlop	7	Sp	AR 1100 and 1111. Coreq: AR 1200
AR 1230	Auto Color & Design	2	Sp	

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ACR 1100	5	ACR 1200	5
ACR 1111	7	ACR 1121	7
IND 1120	3	CM	3
Total	**15**	**Total**	**15**
FALL SEMESTER		**SPRING SEMESTER**	
AR 1100	5	AR 1200	5
AR 1111	7	AR 1211	7
ENGL 1010	3	AR 1230	2
HR	2-3	DISTRIBUTION	3
Total	**17-18**	**Total**	**17**

Advising Notes: Students who need to take preparatory classes to meet the requirements of the first semester courses should plan on extra time to complete the program. It is the students' responsibility to understand the requirements for their chosen program of study. It is highly recommended that the student meet with the program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

Currently the Automotive Collision Repair and Refinishing courses are taught during the day.

It is possible to earn some laboratory credit through cooperative education if students are employed in a related job involving automotive mechanics. With prior approval of a teaching faculty member and faculty CO-OP coordinator for the Automotive Department, students would register for the regular laboratory course.

AUTOMOTIVE COLLISION REPAIR – CERTIFICATE OF COMPLETION[CTE] 32 credits minimum

Technical Specialties Division
Miller Campus, MATC 106
General Information, (801) 957-4073
Program Information, (801) 957-5365
http://www.slcc.edu/autotechnologies
Academic Advisor, Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Professors –Neal Grover
Instructors – Charles Spainhower

Program Description: Auto Collision Repair Technicians are skilled individuals who repair damaged motor vehicles by straightening bent structures, removing dents from fenders and body panels, welding torn metal and replacing badly damaged parts. Collision repair technicians are qualified to repair all types of vehicles, although most work is on automobiles and small trucks. The collision repair technician's work is characterized by variety because each damaged vehicle presents a different problem.

Any course offered in this program can be taken as part of the major course requirements for an Associate of Science degree in General Studies.

Transfer/Articulation Information: Students who complete the Automotive Collision Repair Certificate of Completion may continue on to earn the Associate of Applied Science in Automotive Collision Repair and Refinishing.

Students who earn an AAS degree in Automotive Collision Repair and Refinishing have the option to transfer into the Technology Management Bachelor Degree at Utah Valley University. UVU will accept up to 45 technical credits towards this degree. Contact the University Center for current information. www.slcc.edu/universitycenter/programs or call (801) 957-4824.

Program Entry Requirements: Those interested in entering auto collision repair should be in good physical condition and have good hand-eye coordination. The collision repair technician's work requires fast job analysis and the ability to visualize what is needed to restore the damaged vehicle. Welding light gauge metal is one of the skills to be acquired along with parts repair and replacement.

Students may only start every Fall semester in ACR classes. For information on getting started, please visit http://www.slcc.edu/gettingstarted/index.asp

Estimated Cost for Students: Tuition per semester: http://www.slcc.edu/cashiering/tuitionfees.asp

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is two semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
Students will gain entry level employment skills in Non-Structural Collision Damage Repair. ACR 1100 and ACR 1111 1. I-CAR WKR 01 Worker Protection. General shop safety and working with potentially hazardous materials found in the industry. 2. I-CAR FCR 01 Fundamentals of Collision Repair 3. I-CAR WCS 01 Welding and Cutting Steel	1, 3, 4

4. I-CAR DAM 01 Damage Analysis Program one. Vehicle ID, Estimating Systems, and Terminology. 5. I-CAR DAM 02 Damage Analysis Program two. Frontal Impact Analysis. 6. I-CAR DAM 03 Damage Analysis Program three. Mechanical Systems Analysis. 7. I-CAR DAM 04 Damage Analysis Program four. Restraints, Interior Glass, Side and Rear Impact Analysis. 8. I-CAR WCS 05 Oxy-acetylene/Plasma Arc Cutting 9. I-CAR GLA 01 Movable Glass and Hardware	
Students will gain entry level employment skills in Structural Collision Damage Repair. ACR 1200 and ACR 1211 1. I-CAR Corrosion Protection Steel. 2. I-CAR Stationary Glass 01 Stationary Glass Service 3. I-CAR MEA 01 Measuring 4. I-CAR SSS 01 Structural Straightening Steel 5. I-CAR SPS 01. Steel Unibody Front and Rear Rails, Floors and Front Structures 6. I-CAR SPS 02 Steel Unibody A-, B-, C-, D-Pillars, and Rocker Panels 7. I-CAR SPS 03 Steel Full Frame Sectioning 8. I-CAR WCS 03 Automotive Steel GMAW (MIG) Welding Qualification Test	1, 3, 4

REQUIRED COURSES: (32CREDITS)

COURSE		CR	SEM	PREREQUISITE
ACR 1100	Metal/Nonstrc Parts	5	F	Coreq: ACR 1111
ACR 1111	Nonstrc Skill Apl Dev	7	F	Coreq: ACR 1100
ACR 1200	Struc Ana Damage Rpr	5	Sp	ACR 1100 and ACR 1111 Coreq: ACR 1211
ACR 1211	Struc Damage Repair	7	Sp	ACR 1100 and ACR 1111 Coreq: ACR 1200
IND 1120	Math for Industry	3	F, Sp	MATH 0900
Choose any approved CM course		3	A	
Choose any approved HR course		2-3	A	

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ACR 1100	5	ACR 1200	5
ACR 1111	7	ACR 1211	7
IND 1120	3	CM	3
HR	2-3		
Total	**17-18**	**Total**	**15**

Advising Notes: Students who need to take preparatory classes to meet the requirements of the first semester courses should plan on extra time to complete the program.

It is the students' responsibility to understand the requirements for their chosen program of study. It is highly recommended that the student meet with the program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

Currently the Automotive Collision Repair courses are taught during the day.

AUTOMOTIVE REFINISHING – CERTIFICATE OF COMPLETION[CTE] 34 credits minimum

Technical Specialties Division
Miller Campus, MATC 106
General Information, (801) 957-4073
Program Information, (801) 957-5365
http://www.slcc.edu/autotechnologies
Academic Advisor, Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Professors –Neal Grover
Instructors – Charles Spainhower

Program Description: Automobile refinishing technicians restore damaged motor vehicles to "look like new" appearance. These skilled technicians repaint vehicles that have lost the luster of original paint and the repaired portions of vehicles damaged in accidents. The technician prepares the vehicles to receive the new finish. A spray gun then is used to apply under coats to the substrate surface. After the primer coat dries, the surface is prepared for top coats.

Before painting prepared portions of the vehicle, the technician may mix paints or colors to match the existing color of the car. The spray gun technique is vital and must be handled skillfully so the paint is applied evenly. A knowledge of the various materials, supplies and equipment used in the refinishing process is vital. The program requires manual dexterity, average scholastic ability and an appreciation and understanding of color. General Education and elective courses provide training in effective oral and written communication and human relations skills. Students may only start every Fall semester in AR classes.

Transfer/Articulation Information: Student who complete the Automotive Refinishing Certificate of Completion may continue on to earn the Associate of Applied Science in Automotive Collision Repair and Refinishing.

Students who earn an AAS degree in Automotive Collision Repair and Refinishing have the option to transfer into the Technology Management Bachelor Degree at Utah Valley University. UVU will accept up to 45 technical credits towards this degree. Contact the University Center for current information. www.slcc.edu/universitycenter/programs or call (801) 957-4824.

Program Entry Requirements: Students may only start every Fall semester in AR classes. For information on getting started, please visit http://www.slcc.edu/gettingstarted/index.asp

Estimated Cost for Students: Tuition per semester: http://www.slcc.edu/cashiering/tuitionfees.asp

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is two semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
Students will gain entry level employment skills in Surface Preparation and application of undercoats. AR 1100 and AR 1111 1. I-CAR WKR 01 Worker Protection. General shop safety and working with potentially hazardous materials found in the industry. 2. I-CAR REF 04 Detailing 3. I-CAR REF 01 Refinishing Equipment And VOC Regulations 4. I-CAR REF 02 Surface Preparation and Masking	1, 3, 4
Students will gain entry level employment in the Application of Topcoats. AR 1200 and AR 1211	1, 3, 4

Theory and lab courses in advanced refinishing procedures and techniques including color matching and multi-stage finishes.	

REQUIRED COURSES: (34 CREDITS)

COURSE		CR	SEM	PREREQUISITE
AR 1100	Auto Refinishing	5	F	Coreq: AR 1111
AR 1111	Refinish Skill Dev	7	F	Coreq: AR 1100
AR 1200	Adv Auto Refinish	5	Sp	AR 1100 and AR 1111 Coreq: AR 1211
AR 1211	Adv Skill Devlop	7	Sp	AR 1100 and AR 1111 Coreq: AR 1200
AR 1230	Auto Color & Ds	2	Sp	none
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
IND 1120	Math for Industry	3	F, Sp	MATH 0900
Choose any approved HR course		2-3	A	

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
AR 1100	5	AR 1200	5
AR 1111	7	AR 1211	7
IND 1120	3	AR 1230	2
ENGL 1010	3	HR	2-3
Total	**18**	**Total**	**16-17**

Advising Notes: Students who need to take preparatory classes to meet the requirements of the first semester courses should plan on extra time to complete the program.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

Currently the Automotive Collision Refinishing courses are taught during the day.

AUTOMOTIVE TECHNICIAN – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 68 credits minimum

Technical Specialties Division
Miller Campus, MATC 203
General Information, (801) 957-4073
Program Information, (801) 957-5231
http://www.slcc.edu/autotechnologies
Academic Advisor, Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Assistant Professors – Vince Badger, Brett Baird
Instructors – Ed White Jon Longo, Norman Brown, Dennis O'Rielly

Program Description: The four-semester automotive technician program is designed to train students in both domestic and imported vehicle mechanics and repairs. It prepares students to enter into the job market as technicians skilled in all facets of automotive repair.

Prospective auto technicians should be in good physical condition, have above average mechanical aptitude and hand-eye coordination and have problem-solving and critical thinking skills.

Career Opportunities: Upon completion of this program, graduates may find employment opportunities as automotive transmission specialists, engine performance experts, automobile air conditioning specialists, front end and brake technicians and emission control specialists. Most technicians furnish their own hand tools. Employers furnish engine analyzers and specialized test equipment and tools for servicing service units such as automatic transmissions. Skills in automotive diagnosis and repair open the doors to a multitude of jobs throughout the state and nation.

HONDA PACT (PROFESSIONAL AUTOMOTIVE CAREER TRAINING)
In order to be at the "cutting edge" of technology, the Salt Lake Community College, in agreement with American Honda Motor Company, has included the American Honda Professional Automotive Career Training (PACT) into its Automotive Technician AAS Degree program. Honda PACT is designed to allow students to receive additional training in the repair and maintenance of Honda and Acura automobiles. Honda PACT consists of technical training for automotive service professionals specializing in customer service. Students become Honda PACT students by completing AUTO 1010 Maintenance and Light Repair Fundamentals and successfully passing a series of Honda-specific tests called Honda Express. Learn more about Honda PACT at www.hondacareers.com

Transfer/Articulation Information: Students who earn an AAS degree in Automotive Technican have the option to transfer into the Technology Management Bachelor Degree at Utah Valley University. UVU will accept up to 45 technical credits towards this degree. Contact the University Center for current information. http://www.slcc.edu/universitycenter/programs or call 801-957-4824

Program Entry Requirements: Students may enter into this program Fall, Spring or Summer semester. Successful completion of, or testing out of, AUTO 1010 is required before students can enroll in additional automotive courses. To be able to test out of AUTO 1010, a student must meet one of the following qualifications: 1. Completed two years of Auto classes in High School OR 2. Have at least one year of work experience as an automotive technician. If you meet one of these requirements, you may then speak with the instructor for this class, regarding the option to test out of AUTO 1010. Successful completion of AUTO 1010 is a passing grade of a C or higher for either course completion or testing out.

AUTO 1010 can be taken as concurrent enrollment in High School programs. AUTO 1010 will also be offered in the summer semester and twice during both Fall and Spring semesters.

For information on getting started, please visit http://www.slcc.edu/gettingstarted/index.asp

Estimated Cost for Students:
Tuition per semester: http://www.slcc.edu/cashiering/tuitionfees.asp
Tools and Supplies: $2,000
Books: $850

Estimated Time to Completion: The Automotive Technician AAS degree requires a minimum of four full-time semesters and a minimum of 68 credit hours.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Completers will obtain Automotive Engine Repair entry level employment skills in accordance with NATEF standards.	1, 2, 4, 5
2. Completers will obtain Automotive Automatic Transmission and Transaxle entry level employment skills in accordance with NATEF standards.	1, 2, 4, 5
3. Completers will obtain Automotive Manual Drive Train and Axles entry level employment skills in accordance with NATEF standards.	1, 2, 4, 5
4. Completers will obtain Automotive Suspension and Steering entry level employment skills in accordance with NATEF standards.	1, 2, 4, 5
5. Completers will obtain Automotive Brakes entry level employment skills in accordance with NATEF standards.	1, 2, 4, 5
6. Completers will obtain Automotive Electrical/Electronic Systems entry level employment skills in accordance with NATEF standards.	1, 2, 4, 5
7. Completers will obtain Automotive Heating and Air Conditioning entry level employment skills in accordance with NATEF standards.	1, 2, 4, 5
8. Completers will obtain Automotive Engine Performance entry level employment skills in accordance with NATEF standards.	1, 2, 4, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
IND 1120	Math for Industry	3	F, Sp	MATH 0900

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (3 CREDITS)

Choose an additional three credits from one of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (54 CREDITS)

COURSE		CR	SEM	PREREQUISITE
AUTO 1010	Maint & Lt Repair Fun	6	A	
AUTO 1150	Auto Electr & Electronics	6	F, Sp	AUTO 1010 w/ C grade or better or challenge exam
AUTO 1250	Auto Engine Repair	6	F, Sp	AUTO 1010 w/C grade or better or challenge exam
AUTO 1350	Auto Braking Syst	6	F, Sp	AUTO 1010 w/C grade or better or challenge exam
AUTO 1450	Auto Susp and Steering	6	F, Sp	AUTO 1010 w/ C grade or better or challenge exam
AUTO 2150	Manual Trans and AC	6	F, Sp	All 1000 level AUTO courses w/ C grade or better
AUTO 2250	Automatic Trans	6	F, Sp	All 1000 level AUTO courses w/ C grade or better
AUTO 2350	Engine & Emi Contls I	6	F, Sp	All 1000 level AUTO courses w/ C grade or better
AUTO 2450	Engine & Emi Contls II	6	F, Sp	All 1000 level AUTO courses w/ C grade or better and AUTO 2350 w/C grade or better

SAMPLE SCHEDULE			
SUMMER SEMESTER			
AUTO 1010	6		
Total	**6**		
FALL SEMESTER		**SPRING SEMESTER**	
AUTO 1150	6	AUTO 1350	6
AUTO 1250	6	AUTO 1450	6
CM	3	IND 1120	3
		HR	2-3
Total	**15**	**Total**	**17-18**
FALL SEMESTER		**SPRING SEMESTER**	
AUTO 2150	6	AUTO 2350	6
AUTO 2250	6	AUTO 2450	6
ENGL 1010	3	DISTRIBUTION	3
Total	**15**	**Total**	**15**

Advising Notes: Students who need to take preparatory classes prior to entering the program should plan extra time to compete the program.

It is the students' responsibility to understand the requirements for their chosen program of study. It is highly recommended that the student meet with the program advisor prior to starting this program.

Currently the Automotive Technician program offers day and evening classes.

SKILLS USA
All students enrolled in the Automotive program may participate in Skills USA. This program is designed to promote leadership, communication, social and employability skills.

It is possible to earn some laboratory credit through cooperative education if students are employed in a job involving automotive mechanics. With prior approval of a teaching faculty member and faculty CO-OP coordinator for the Automotive Department, students would register for the regular laboratory course.

MOTORCYCLE AND OUTDOOR POWER EQUIPMENT TECHNOLOGY – CERTIFICATE OF PROFICIENCY[CTE] 24 credits minimum

Technical Specialties Division
Miller Campus, MATC 203
General Information, (801) 957-4073
Program Information, (801) 957-5231 http://www.slcc.edu/autotechnologies
Academic Advisor, Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Instructors – Bill Breedlove

Program Description: This is a comprehensive program designed to train students with very little mechanical or electrical knowledge and prepare them for the fast-growing motorcycle and outdoor power equipment service and repair industry. The program will also prepare students for the EETC/OPE certification.

Students will study engine operation theory, electrical, drive train, suspension systems, fuel injection, carburetors, turbo charging and service and maintenance procedures. The program challenges and prepares students to become specialists in the service, repair and tuning of small gasoline engines.

Career Opportunities: Career opportunities can be found in many areas including:

- competition and race preparation
- construction and maintenance
- factory sales and service
- farming and agriculture
- forestry and logging
- landscaping, lawn and garden
- off-road vehicle sales and service
- recreational vehicle sales and service

Program Entry Requirements: Students may start this program Fall or Spring semester. For information on getting started, please visit http://www.slcc.edu/gettingstarted/index.asp

Estimated Cost for Students:
Tuition per semester: http://www.slcc.edu/cashiering/tuitionfees.asp
Tools and Supplies: $1,100
Books: $400

NOTE: This Certificate of Proficiency is **not** eligible for financial aid. However, courses within the certificate may be eligible if taken as part of a financial aid eligible program. Please check with the Financial Aid Office to determine if your classes are eligible.

Estimated Time to Completion: If students follow the suggested schedule, time to completion is two semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Graduates of this program are prepared with entry level skills that result in accelerated advancement in their employment.	1, 2, 3, 4, 5
2. Students from this program who participate in skill competitions against equivalent providers prevail at a higher rate than their competitors.	1, 2, 3, 4, 5

3. To prepare students to take the EETC/OPE certification test.	1
4. To prepare students to be proficient, professional technicians for the motorcycle and outdoor power equipment industry.	1

REQUIRED COURSES: (24 CREDITS)

COURSE		CR	SEM	PREREQUISITE
MOTO 1111	Engine Fund & Repair	3	F	Coreq: MOTO 1112
MOTO 1112	Engine Fund & Repair Lab	6	F	Coreq: MOTO 1111
MOTO 1121	Motorcycle/OPE Electric	1	F	Coreq: MOTO 1122
MOTO 1122	Mtrcycle/OPE Electric Lab	2	F	Coreq: MOTO 1121
MOTO 1131	M/C&OPE Engine Perf	2	Sp	Coreq: MOTO 1132
MOTO 1132	M/C&OPE Engine Lab	3	Sp	Coreq: MOTO 1131
MOTO 1141	M/C&OPE DrvTrn/Chassis	2	Sp	Coreq: MOTO 1142
MOTO 1142	M/C&OPE DrvTrn Lab	5	Sp	Coreq: MOTO 1141

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
MOTO 1111	3	MOTO 1131	2
MOTO 1112	6	MOTO 1132	3
MOTO 1121	1	MOTO 1141	2
MOTO 1122	2	MOTO 1142	5
Total	**12**	**Total**	**12**

Advising Notes: It is the students responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

Currently the Motorcycles and Outdoor Power Equipment courses are taught during the day.

SKILLS USA
All students enrolled in the program may participate in Skills USA. This program is designed to promote leadership, communication, social, and employability skills.

BARBERING AND COSMETOLOGY – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS)

63 credits minimum and 2000 clock hours

Barbering/Cosmetology Department
Taylorsville Redwood Campus, AD 195
General Information, (801) 957-4073
Program Information, (801) 957-4330
http://www.slcc.edu/barberingcosmetology
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Assistant Professors – Cathy Bagley, Debra Bertoch, Grace Birch, Susan Curtis, Rod Derrick

NOTE: This program is being discontinued, and new students are no longer being accepted. Current students must complete all program requirements by the end of Spring Semester 2014.

Program Description: Unlimited opportunities are available for skilled hair stylists. A high degree of diversified skill is necessary for success in this field. Cosmetology emphasizes learning to design hair and enhance beauty. Study of chemicals provides knowledge related to maintaining the proper condition, color and curl of hair. Instruction is also given in basic make-up, manicuring and basic esthetics.

Current and past fashion trends are supplied to provide familiarization with cycles of hair styles and designs. This creative field can be highly individualistic. Specialization in cutting, coloring, permanent waving or trichology is possible. As a specialist, a graduate should expect post-graduate study/training in any of the above named specialties. Learning is approached on a personal basis with appropriate discussion and lectures. Theory and lab classes must be taken concurrently.

To accommodate the needs of the community, the program is offered Monday through Thursday mornings from 7:00 a.m. to noon and evenings from 5:00 p.m. to 10:00 p.m. at the Taylorsville Redwood Campus.

Additional classes The BRC classes that do not require a lab as a co-requisite and required for the Certificate, Diploma or Associate of Applied Science Degree, may be taken Fridays between 8:00 a.m. and 10:00 p.m.

Students are required to register for Theory and corresponding I and II labs. (See recommended schedule). Students must register for all required courses each semester.

Career Opportunities: Barbering/Cosmetology graduates have pursued careers in the following fields as: cosmetologist, hairstylist, makeup artist, manicurist and pedicurist, esthetician, nail technician, manufacturer's rep and educator.

Transfer/Articulation Information: Students who earn an AAS degree in Barbering/Cosmetology have the option to transfer into the Technology Management Bachelor Degree at Utah Valley University. UVU will accept up to 45 technical credits towards this degree. Contact the University Center for current information. www.slcc.edu/universitycenter/programs/.

Program Entry Requirements: Acceptance by the College does not guarantee acceptance into any class or program. Please call the academic advisor for assistance at (801) 957-4550 or the Barbering/Cosmetology Office at (801) 957-4330. Students should check with semester schedule or department for day/evening availability and modifications caused by varying enrollment.

Interested students must register for first semester courses on a first come-first served basis. Registration in subsequent semesters is based upon successful completion of the previous term's work.

Students who started the Barbering/Cosmetology program in high school will need to first meet with Bonnie Penrose in the Barbering/Cosmetology Office, (801) 957-4330, to determine which BRC classes to register for. It is then highly recommended the student meet with the program advisor to go over the general education requirements for this degree program.

Estimated Cost for Students: Based on the 2011-2012 resident tuition and fees, the projected cost per student is $9,156 (for six semesters) PLUS the cost of books and supplies. The cost of the books and supplies for the BRC classes only are listed below:

Estimated cost of cosmetology kit $1400
Estimated cost of cosmetology books $800
Barbering Books $208 (need second semester)

Esthetics Kit $300
Esthetics Books $210

Estimated Time to Completion: This program is designed to meet all the requirements of the state licensing board. In addition to the required courses, the program also requires 2,000 clock hours of instruction to qualify for the certificate OR AAS degree. Successful completion of a certificate or Associate of Applied Science degree in Barbering/Cosmetology enables graduates to take the state licensing examination. Earned clock-hours may vary each term depending upon factors such as the actual number of teaching days, holidays, snow days, student absences and tardies. Because of the 2000 clock hour requirement for licensing AND the factors listed above, this program takes approximately 6 to 7 semesters to complete.

Upon Completion of **third semester** course work, students needing additional clock hours should register for EST 1101 w/ EST 1110, EST 1201 w/ EST 1210 and/or BRC 2990 Independent Studies (variable credit 1-16) The amount of credit that students should register for BRC 2990 is based upon 1 credit equal to 40 clock hours. For example, a student who has completed all the course work, but still is 120 hours short of 2,000 clock hours should register for BRC 2990 for 3 credit hours.

Students are encouraged to officially declare Barbering/Cosmetology as their major prior to taking college courses. College courses taken before enrolling in the barbering/cosmetology program will only count as credit hours toward graduation. College courses can earn clock hours toward licensing only when they are taken during the time the student is officially enrolled in the barbering/cosmetology classes.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students must have the knowledge and skill to perform the cutting and styling of men's and women's hair.	1,2,5
2. Students will have the knowledge and skill necessary to perform permanent waves, hair color and chemical services.	1,2,5
3. Students will have the knowledge and skill necessary to perform basic facial and esthetics services.	1,2,5
4. Students will prepare for and successfully complete the state board examination.	1,2,3,5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
BRC 1470	Math for Barb & Cosmet	3	A	

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Intro to Comm	3	A	

HUMAN RELATIONS (HR) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
CTEL 1010	Leadership & Team Build	3	A	

DISTRIBUTION AREAS: (3 CREDITS)

Choose an additional three credits from one of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3

Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (57 CREDITS)

COURSE		CR	SEM	PREREQUISITE
BRC 1101	Barb/Cos Orientation Lb I	3	A	Coreq: BRC 1102 & BRC 1110
BRC 1102	Barb/Cos Orientatn Lb II	3	A	Coreq: BRC 1101 & BRC 1110
BRC 1110	Barb/Cos Orient Theory	4	A	Coreq: BRC 1101 & BRC 1102
BRC 1201	Intro to Barb/Cos Lab I	3	A	BRC 1101, Coreq: BRC 1202 & BRC 1210
BRC 1202	Intro to Barb/Cos Lab II	3	A	BRC 1102, Coreq: BRC 1201 & BRC 1210
BRC 1210	Intro to Barb/Cos Theory	4	A	BRC 1110, Coreq: BRC 1201 & BRC 1202
BRC 2301	Interm to Barb/Cos Lab I	3	A	BRC 1201, Coreq: BRC 2302 & BRC 2310
BRC 2302	Interm to Barb/Cos Lab II	3	A	BRC 1202, Coreq: BRC 2301 & BRC 2310
BRC 2310	Interm Cos/Barb Theo	4	A	BRC 1210, Coreq: BRC 2301 & BRC 2302
BRC 2401	Adv Cos/Barb Lab I	3	A	BRC 2301, Coreq: BRC 2402 & BRC 2410
BRC 2402	Adv Cos/Barb Lab II	3	A	BRC 2302, Coreq: BRC 2401 & BRC 2410
BRC 2410	Barb/Cos State Brd Prep	4	A	BRC 2310, Coreq: BRC 2401 & BRC 2402
BRC 2710	Color Principles	2	A	BRC 1201, BRC 1202 & BRC 1210
BRC 2810	Salon Success	2	A	
BRC 2860	Ethnic Hair	2	F, Sp	BRC 2710, BRC 2810, COMM 1010, BRC 1470
BRC 2870	Adv Hair Design	2	F, Sp	BRC 2710, BRC 2810, COMM 1010, BRC 1470

ELECTIVE COURSES:

COURSE		CR	SEM	PREREQUISITE
BRC 2990	Independent Studies	1-16	A	Instructor approval
EST 1101	Basic Esth Lab I	6	A	Coreq: EST 1110
EST 1110	Basic Esth Theory	4	A	Coreq: EST 1101
EST 1201	Basic Esth Lab II	6	A	EST 1101 w EST 1210
EST 1210	Basic Esth Theory II	4	A	EST 1110 w EST 1201

Upon completion of **third semester** course work, students needing additional clock hours should register for EST 1101 w/ EST 1110, EST 1201 w/ EST 1210 and/or BRC 2990 Independent Studies (variable credit 1-16). The amount of credit that students should register for BRC 2990 is based upon 1 credit equal to 40 clock hours. For example, a student who has completed all the course work, but still is 120 hours short of 2,000 clock hours should register for BRC 2990 for 3 credit hours.

SAMPLE SCHEDULE**			
FIRST SEMESTER		**SECOND SEMESTER**	
BRC 1101	3	BRC 1201	3
BRC 1102	3	BRC 1202	3
BRC 1110	4	BRC 1210	4
CTEL 1010	3	BRC 1470	3
		COMM 1010	3
Total	**13**	**Total**	**16**
THIRD SEMESTER		**FOURTH SEMESTER**	
BRC 2301	3	*EST 1101	6
BRC 2302	3	*EST 1110	4
BRC 2310	4	BRC 2860	2
BRC 2810	2	BRC 2870	2
BRC 2710	2	DISTRIBUTION	3
Total	**14**	**Total**	**17**
FIFTH SEMESTER		**SIXTH SEMESTER**	
BRC 2401	3	*BRC 2990	1-16
BRC 2402	3		
BRC 2410	4		
ENGL 1010	3		
Total	**13**	**Total**	**1-16**

*Suggested courses and semester to earn additional clock hours necessary for licensure (2000 hours required)
**On average it takes 6 to 7 semesters to complete the entire program.

Advising Notes: It is the student's responsibility to understand the requirements for their chosen program of study. If there are questions regarding the courses required for this degree, it is highly suggested that the student meet with the program advisor (801) 957-4550.

SKILLS USA
All students enrolled in the Barbering/Cosmetology program are members of Skills USA, sponsor of the Professional Development Program (PDP). This program is designed to promote leadership, communication, social, and employability skills. This training is included in the curriculum of this program.

BARBERING AND COSMETOLOGY – CERTIFICATE OF COMPLETION[CTE]

53 credits minimum and 2000 clock hours

Barbering/Cosmetology Department
Taylorsville Redwood Campus, AD 195
General Information, (801) 957-4073
Program Information, (801) 957-4330
http://www.slcc.edu/barberingcosmetology
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Assistant Professors – Cathy Bagley, Debra Bertoch, Grace Birch, Susan Curtis, Rod Derrick

NOTE: This program is being discontinued, and new students are no longer being accepted. Current students must complete all program requirements by the end of Spring Semester 2014.

Program Description: Unlimited opportunities are available for skilled hair stylists. A high degree of diversified skill is necessary for success in this field. Cosmetology emphasizes learning to design hair and enhance beauty. Study of chemicals provides knowledge related to maintaining the proper condition, color and curl of hair. Instruction is also given in basic make-up, manicuring and basic esthetics.

Current and past fashion trends are supplied to provide familiarization with cycles of hair styles and designs. This creative field can be highly individualistic. Specialization in cutting, coloring, permanent waving or trichology is possible. As a specialist, a graduate should expect post-graduate study/training in any of the above named specialties. Learning is approached on a personal basis with appropriate discussion and lectures. Theory and lab classes must be taken concurrently.

To accommodate the needs of the community, the program is offered Monday through Thursday mornings from 7:00 a.m. to noon and evenings from 5:00 p.m. to 10:00 p.m. at the Taylorsville Redwood Campus.

Additional classes The BRC classes that do not require a lab as a co-requisite and required for the Certificate, Diploma or Associate of Applied Science Degree, may be taken Fridays between 8:00 a.m. and 10:00 p.m.

Students are required to register for Theory and corresponding I and II labs. (See recommended schedule). Students must register for all required courses each semester.

Career Opportunities: Barbering/Cosmetology graduates have pursued careers in the following fields as: cosmetologist, hairstylist, makeup artist, manicurist and pedicurist, esthetician, nail technician, manufacturer's rep and educator.

Program Entry Requirements: Acceptance by the College does not guarantee acceptance into any class or program. Please call the academic advisor for assistance at (801) 957-4550 or the Barbering/Cosmetology Office at (801) 957-4330. Students should check with semester schedule or department for day/evening availability and modifications caused by varying enrollment.

Interested students must register for first semester courses on a first come-first served basis. Registration in subsequent semesters is based upon successful completion of the previous term's work.

Students who started the Barbering/Cosmetology program in high school will need to first meet with Bonnie Penrose in the Barbering/Cosmetology Office, (801) 957-4330, to determine which BRC classes to register for. It is then highly recommended the student meet with the program advisor to go over the general education requirements for this degree program.

Estimated Cost for Students: the projected cost per student is $9,156 (for six semesters) PLUS the cost of books and supplies. The cost of the books and supplies for the BRC classes only are listed below:

Estimated cost of cosmetology kit $1400
Estimated cost of cosmetology books $800
Barbering Books $208 (need second semester)
Esthetics Kit $300
Esthetics Books $210

Estimated Time to Completion: This program is designed to meet all the requirements of the state licensing board. In addition to the required courses, the program also requires 2,000 clock hours of instruction to qualify for the certificate or AAS degree. Successful completion of a certificate or Associate of Applied Science degree in Barbering/Cosmetology enables graduates to take the state licensing examination. Earned clock-hours may vary each term depending upon factors such as the actual number of teaching days, holidays, snow days, student absences and tardies. Because of the 2000 clock hour requirement for licensing AND the factors listed above, this program takes approximately 6 to 7 semesters to complete.
Upon Completion of **third semester** course work, students needing additional clock hours should register for EST 1101 w/ EST 1110, EST 1201 w/ EST 1210 and/or BRC 2990 Independent Studies (variable credit 1-16). The amount of credit that students should register for BRC 2990 is based upon 1 credit equal to 40 clock hours. For example, a student who has completed all the course work, but still is 120 hours short of 2,000 clock hours should register for BRC 2990 for 3 credit hours.

Students are encouraged to officially declare Barbering/Cosmetology as their major prior to taking college courses. College courses taken before enrolling in the barbering/cosmetology program will only count as credit hours toward graduation. College courses can earn clock hours toward licensing only when they are taken during the time the student is officially enrolled in the barbering/cosmetology classes.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students must have the knowledge and skill to perform the cutting and styling of men's and women's hair.	1,2,5
2. Students will have the knowledge and skill necessary to perform permanent waves, hair color and chemical services.	1,2,5
3. Students will have the knowledge and skill necessary to perform basic facial and esthetics services.	1,2,5
4. Students will prepare for and successfully complete the state board examination.	1,2,3,5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
BRC 1470	Math for Barb & Cosmet	3	A	

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Intro to Comm	3	A	

HUMAN RELATIONS (HR) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
CTEL 1010	Leadership & Team Build	3	A	

DISTRIBUTION AREAS: (3 CREDITS)

Choose an additional three credits from one of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (57 CREDITS)

COURSE		CR	SEM	PREREQUISITE
BRC 1101	Barb/Cos Orientation Lb I	3	A	w/BRC 1102 & BRC 1110
BRC 1102	Barb/Cos Orientation Lb II	3	A	w/BRC 1101 & BRC 1110

BRC 1110	Barb/Cos Orient Theory	4	A	w/BRC 1101 & BRC 1102
BRC 1201	Intro to Barb/Cos Lab I	3	A	BRC 1101, w/BRC 1202 & BRC 1210
BRC 1202	Intro to Barb/Cos Lab II	3	A	BRC 1102, w/BRC 1201 & BRC 1210
BRC 1210	Intro to Barb/Cos Theory	4	A	BRC 1110, w/BRC 1201 & BRC 1202
BRC 2301	Interm to Barb/Cos Lab I	3	A	BRC 1201, w/BRC 2302 & BRC 2310
BRC 2302	Interm to Barb/Cos Lab II	3	A	BRC 1202, w/BRC 2301 & BRC 2310
BRC 2310	Interm Cos/Barb Theo	4	A	BRC 1210,w/BRC 2301 & BRC 2302
BRC 2401	Adv Cos/Barb Lab I	3	A	BRC 2301, w/BRC 2402 & BRC 2410
BRC 2402	Adv Cos/Barb Lab II	3	A	BRC 2302, w/BRC 2401 & BRC 2410
BRC 2410	Barb/Cos State Brd Prep	4	A	BRC 2310, w/BRC 2401 & BRC 2402
BRC 2710	Color Principles		2	A
BRC 2810	Salon Success	2	A	none

ELECTIVE COURSES:

COURSE		CR	SEM	PREREQUISITE
BRC 2990	Independent Studies	1-16	A	Instructor approval
EST 1101	Basic Esth Lab I	6	A	Coreq: EST 1110
EST 1110	Basic Esth Theory	4	A	Coreq: EST 1101
EST 1201	Basic Esth Lab II	6	A	EST 1101 w EST 1210
EST 1210	Basic Esth Theory II	4	A	EST 1110 w EST 1201

Upon completion of **third semester** course work, students needing additional clock hours should register for EST 1101 w/ EST 1110, EST 1201 w/ EST 1210 and/or BRC 2990 Independent Studies (variable credit 1-16). The amount of credit that students should register for BRC 2990 is based upon 1 credit equal to 40 clock hours. For example, a student who has completed all the course work, but still is 120 hours short of 2,000 clock hours should register for BRC 2990 for 3 credit hours.

SAMPLE SCHEDULE**			
FIRST SEMESTER		**SECOND SEMESTER**	
BRC 1101	3	BRC 1201	3
BRC 1102	3	BRC 1202	3
BRC 1110	4	BRC 1210	4
CTEL 1010	3	COMM 1010	3
Total	**13**	**Total**	**13**
THIRD SEMESTER		**FOURTH SEMESTER**	
BRC 2301	3	*EST 1101	6
BRC 2302	3	*EST 1110	4
BRC 2310	4	BRC 1470	3
BRC 2810	2		
BRC 2710	2		
Total	**14**	**Total**	**13**
FIFTH SEMESTER		**SIXTH SEMESTER**	
BRC 2401	3	*BRC 2990	1-16
BRC 2402	3		
BRC 2410	4		
Total	**10**	**Total**	**1-16**

*Suggested courses and semester to earn additional clock hours necessary for licensure (2000 hours required)
**On average it takes 6 to 7 semesters to complete the entire program.

Advising Notes: It is the student's responsibility to understand the requirements for their chosen program of study. If there are questions regarding the courses required for this degree, it is highly suggested that the student meet with the program advisor (801) 957-4550.

SKILLS USA
All students enrolled in the Barbering/Cosmetology program are members of Skills USA, sponsor of the Professional Development Program (PDP). This program is designed to promote leadership, communication, social, and employability skills. This training is included in the curriculum of this program.

BARBERING – CERTIFICATE OF PROFICIENCY[CTE]

28.5 credits minimum and 1000 clock hours

Barbering/Cosmetology Department
Taylorsville Redwood Campus, AD 195
General Information, (801) 957-4073
Program Information, (801) 957-4330
http://www.slcc.edu/barberingcosmetology
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Assistant Professors – Cathy Bagley, Debra Bertoch, Grace Birch, Susan Curtis, Rod Derrick

NOTE: This program is being discontinued, and new students are no longer being accepted. Current students must complete all program requirements by the end of Spring Semester 2014.

Program Description: The State if Utah created a Barbering license in 2007 that required 1,000 hours of training. This certificate program provides the necessary 1000 hour of training for students to become Barbers and gives students sufficient experience for them to be successful in passing the State Board exams for Barbers.

Student will develop the knowledge and skills to perform cutting and styling of men's and women's hair; develop the knowledge and dills necessary to perform facial shave and massage; and prepare for and successfully complete the State Board Exam.

Career Opportunities: Student may find employment as Barber/Stylist, Retail Specialist, Shop Manager, Shop owner, Product Educator.

Program Entry Requirements: Acceptance by the College does not guarantee acceptance into any class or program. Please call the academic advisor for assistance at (801) 957-4550 or the Barbering/Cosmetology department at (801) 957-4330. Students should check with semester schedule or department for day/evening availability and modifications caused by varying enrollment.

Interested students must register for first semester courses on a first come-first served basis. Registration in subsequent semesters is based upon successful completion of the previous term's work.

Students who started the Barbering/Cosmetology program in high school will need to first meet with Bonnie Penrose in the Barbering/Cosmetology Office, (801) 957-4330, to determine which BRC classes to register for. It is then highly recommended the student meet with the program advisor to go over the general education requirements for this degree program.

Estimated Cost for Students: Based on the 2011-2012 resident tuition and fees, the projected cost per student is $9,156 (for six semesters) PLUS the cost of books and supplies. The cost of the books and supplies for the BRC classes only are listed below:

Estimated cost of cosmetology kit $1400
Estimated cost of cosmetology books $800
Barbering Books $208 (need second semester)

NOTE: This program is not eligible for financial aid.

Estimated Time to Completion: This program is designed to meet all the requirements of the state licensing board. In addition to the required courses, the program also requires 2,000 clock hours of instruction to qualify for the certificate, diploma, OR AAS degree. Successful completion of a certificate, diploma or Associate of Applied Science degree in Barbering/Cosmetology enables graduates to take the state licensing examination. Earned clock-hours may vary each term depending upon factors such as the actual number of teaching days, holidays, snow days, student absences and tardies. Because of the 2000 clock hour requirement for licensing AND the factors listed above, this program takes approximately 6 to 7 semesters to complete.
Upon Completion of **third semester** course work, students needing additional clock hours should register for EST 1101 w/ EST 1110, EST 1201 w/ EST 1210 and/or BRC 2990 Independent Studies (variable credit 1-16) The amount of credit that students should register for BRC 2990 is based upon 1 credit equal to 40 clock hours. For example, a student who has completed all the course work, but still is 120 hours short of 2,000 clock hours should register for BRC 2990 for 3 credit hours.

Students are encouraged to officially declare Barbering/Cosmetology as their major prior to taking college courses. College courses taken before enrolling in the barbering/cosmetology program will only count as credit hours toward graduation. College courses can earn clock hours toward licensing only when they are taken during the time the student is officially enrolled in the barbering/cosmetology classes.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students must have the knowledge and skill to perform the cutting and styling of men's and women's hair.	1,2,5
2. Students will have the knowledge and skill necessary to perform permanent waves, hair color and chemical services.	1,2,5
3. Students will have the knowledge and skill necessary to perform basic facial and esthetics services.	1,2,5
4. Students will prepare for and successfully complete the state board examination.	1,2,3,5

REQUIRED COURSES: (27.5 CREDITS)

COURSE		CR	SEM	PREREQUISITE
BARB 1110	Barbering Orientation	4	A	
BARB 1101	Beg Barb Lab	5.5	A	
BARB 1210	Interm Barbering	4	A	
BARB 1201	Interm Barbering Lab	5.5	A	
BARB 2310	State Board Prep	4	A	
BARB 1203	Adv Barbering Lab	5.5	A	

SAMPLE SCHEDULE**			
FIRST SEMESTER		**SECOND SEMESTER**	
BARB 1110	4	BARB 1210	4
BARB1101	5.5	BARB 1201	5.5
Total	**9.5**	**Total**	**9.5**
THIRD SEMESTER			
BARB 2310	4		
BARB 1203	5.5		
Total	**9.5**		

Advising Notes: It is the student's responsibility to understand the requirements for their chosen program of study. If there are questions regarding the courses required for this degree, it is highly suggested that the student meet with the program advisor (801) 957-4550.

SKILLS USA
All students enrolled in the Barbering/Cosmetology program are members of Skills USA, sponsor of the Professional Development Program (PDP). This program is designed to promote leadership, communication, social, and employability skills. This training is included in the curriculum of this program.

BIOLOGY – ASSOCIATE OF SCIENCE (AS) 64 credits minimum

Biology Department
Taylorsville Redwood Campus, SI 341
Jordan Campus, JHS 248
General Information and Appointments, (801) 957-6308
http://www.slcc.edu/biology
Academic Advisor, SI 209, (801) 957-4858

Program Faculty:
Professors - Arleen Sawitzke, William Tanner
Associate Professor - Jane Rudolph, Tim Beagley, Mary Jane Keleher, Eric Green
Assistant Professors- Melaney Farr, Jim Blevins, Melissa Tillack
Instructor - Randy Moon, Kristen Taylor, Kathy Bell, Melissa Hardy, Rebecca Sperry

Program Description: The Biology Department offers a program leading to an associate of science degree. The required courses in this program will give a student an excellent and broad foundation on which to further his or her studies. Most of the courses in the program have required laboratory components to allow first-hand experience in the study of biology. A laboratory fee is charged for laboratory courses. Upon finishing the requirements for an AS degree in biology, and after acceptance into a major program, a student should be able to obtain a bachelor's degree at a four-year institution with two additional years of study. A full year of inorganic chemistry, organic chemistry, calculus and physics is highly recommended for any student transferring to a four-year institution.

Transfer/Articulation Information: Students completing the AS degree at SLCC through their study of Biology are well prepared to transfer to any of the four year institutions in the Utah System of Higher Education (USHE). This program also prepares students to transfer to public institutions in other states as well as most private colleges and universities.

Program Entry Requirements:
Preparation Note: Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program. For a student majoring in biology, Calculus I is considered the entry-level math class. The semesters during which courses are taught are listed below. Students should check the semester class schedule for day/evening availability, locations and modifications caused by varying enrollment.

Estimated Time to Completion: If students follow the suggested sample schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Provide students with a complete understanding of the method and practice of science.	1,3,4
2. Provide students with a solid foundation of knowledge in the biological sciences.	1,3,4
3. Prepare majors to further their education in the biological sciences.	1,4,5
4. Provide students with the technical and analytical skills used in modern biological research.	1,3,4
5. Train students to access and critically evaluate information in biology.	2,4

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1210	Calculus I	4	A	Within the last year, MATH 1060 or MATH 1080 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE

DISTRIBUTION AREAS:

Complete the following Biological Science (BS) distribution courses:

COURSE		CR	SEM	PREREQUISITE
BIOL 1610	College Biology I	4	A	MATH 0990 w/C grade or better or appropriate Accuplacer score AND RDG 0990 w/C grade or better or appropriate Accuplacer score. Coreq: BIOL 1615
BIOL 1615	College Biology I Lab	0	A	Coreq: BIOL 1610

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3

Physical Science (PS) general education component is satisfied through pre-major coursework.

REQUIRED COURSES: (23 CREDITS)

COURSE		CR	SEM	PREREQUISITE
BIOL 1620	College Biology II	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 1625
BIOL 1625	College Biology Lab II	0	A	Coreq: BIOL 1620
BIOL 2030	Genetics	4	F, Sp	BIOL 1610 w/C grade or better AND CHEM 1210 w/C grade or better. Coreq: BIOL 2035
BIOL 2035	Genetics Lab	0	F, Sp	Coreq: BIOL 2030
CHEM 1210	Gen Chem I	4	F,Sp	Math 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1215	Gen Chem Lab I	1	F,Sp	Math 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1220	Gen Chem II	4	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1225
CHEM 1225	Gen Chem Lab II	1	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1220
CHEM 2310	Organic Chem I	4	F,Sp	CHEM 1220 w/C grade or better. Recommended coreq: CHEM 2315
CHEM 2315	Organic Chem Lab I	1	F,Sp	CHEM 1220 w/C grade or better. Recommended coreq: CHEM 2310

PROGRAM ELECTIVES: (SELECT 8 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
[1]BIOL 2020	Cell Biology	4	F, Sp	BIOL 1610 w/C grade or better. Coreq: BIOL 2025
BIOL 2025	Cell Biology Lab	0	F, Sp	Coreq: BIOL 2020
BIOL 2060	Microbiology	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 2065
BIOL 2065	Microbiology Lab	0	A	Coreq: BIOL 2060
[2]BIOL 2220	Ecology	4	Sp	BIOL 1610 w/C grade or better. Coreq: BIOL 2225
BIOL 2225	Ecology Lab	0	Sp	Coreq: BIOL 2220
BIOL 2320	Human Anatomy	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 2325
BIOL 2325	Human Anatomy Lab	0	A	Coreq: BIOL 2320
BIOL 2350	Field Studies in Bio	1-3	TBA	BIOL 1610 w/C grade or better
BIOL 2420	Human Physiology	4	A	BIOL 1610 and CHEM 1110 or CHEM 1210 all w/C grade or better. Coreq: BIOL 2425
BIOL 2425	Human Physiology Lab	0	A	Coreq: BIOL 2420
CHEM 2320	Organic Chem II	4	Sp,Su	CHEM 2310 w/C grade or better. Recommended coreq: CHEM 2325
CHEM 2325	Organic Chem Lab II	1	Sp,Su	CHEM 2310 w/C grade or better. Recommended coreq: CHEM 2320
PHYS 2210	Physics Sci & Eng I	4	A	MATH 1210. Recommended coreq: PHYS 2215
PHYS 2215	Physics Sci & Eng Lab I	1	A	MATH 1210. Recommended coreq: PHYS 2210
PHYS 2220	Physics Sci & Eng II	4	A	PHYS 2210 and MATH 1220. Recommended coreq: PHYS 2225
PHYS 2225	Physics Sci & Eng Lab II	1	A	PHYS 2210 and MATH 1220. Recommended coreq: PHYS 2220

[1]BIOL 2020/2025 Cell Biology and Lab are required for students transferring to the University of Utah.
[2]BIOL 2220/2225 Ecology and Lab are required for students transferring to Utah State University.

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
BIOL 1610/1615	4	BIOL 1620/1625	4
CHEM 1210/1215	5	BIOL 2030/2035	4
MATH 1210	4	CHEM 1220/1225	5
DISTRIBUTION	3	DISTRIBUTION	3
Total	**16**	**Total**	**16**

FALL SEMESTER		SPRING SEMESTER	
BIOL ELEC	4	BIOL ELEC	4
CHEM 2310/2315	5	ENGL 2010	3
ENGL 1010	3	AI	3
LW	1	STUDENT CHOICE	3
DISTRIBUTION	3	DISTRIBUTION	3
Total	**16**	**Total**	**16**

Advising Notes: Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program. For a student majoring in biology, Calculus I is considered the entry-level math class.

DEPARTMENTAL OFFERINGS

COURSE		CR	SEM	PREREQUISITE
BIOL 1010	Intro to Biology	4	A	RDG 0900 w/C grade or better or appropriate Accuplacer score. Coreq: BIOL 1015
BIOL 1015	Intro to Biology Lab	0	A	Coreq: BIOL 1010
BIOL 1030	Intro Plant Biology	4	F, Sp	RDG 0900 w/C grade or better or appropriate Accuplacer score. Coreq: BIOL 1035
BIOL 1035	Intro Plant Biology Lab	0	F, Sp	Coreq: BIOL 1030
BIOL 1050	Intro Animal Biology	4	F, Sp	RDG 0900 w/C grade or better or appropriate Accuplacer score. Coreq: BIOL 1055
BIOL 1055	Intro Animal Biology Lab	0	F, Sp	Coreq: BIOL 1050
BIOL 1070	Intro Marine Biology	4	F, Sp	RGD 0900 w/C grade or better or appropriate Accuplacer score. Coreq: BIOL 1075
BIOL 1075	Intro Marine Biology Lab	0	F, Sp	Coreq: BIOL 1070

BIOL 1090	Human Biology	3	A	RDG 0900 w/C grade or better or appropriate Accuplacer score
BIOL 1120	Intro Conservation Bio	3	F, Sp	RDG 0900 w/C grade or better or appropriate Accuplacer score
BIOL 1400	Environmental Science	4	F, Sp	Coreq:BIOL 1405
BIOL 1405	Environmental Sci Lab	0	F, Sp	Coreq: BIOL 1400
BIOL 1610	College Biology I	4	A	MATH 0990 w/C grade or better or appropriate Accuplacer score AND RDG 0990 w/C grade or better or appropriate Accuplacer score. Coreq: BIOL 1615
BIOL 1615	College Biology I Lab	0	A	Coreq: BIOL 1610
BIOL 1617	College Bio I Workshop	1	A	Coreq: BIOL 1610
BIOL 1620	College Biology II	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 1625
BIOL 1625	College Biology Lab II	0	A	Coreq: BIOL 1620
BIOL 2000	CO-OP Education	2-4	A	Instructor's approval
BIOL 2020	Cell Biology	4	F, Sp	BIOL 1610 w/C grade or better. Coreq: BIOL 2025
BIOL 2025	Cell Biology Lab	0	F, Sp	Coreq: BIOL 2020
BIOL 2030	Genetics	4	F, Sp	BIOL 1610 w/C grade or better AND CHEM 1210 w/C grade or better. Coreq: BIOL 2035
BIOL 2035	Genetics Lab	0	F, Sp	Coreq: BIOL 2030
BIOL 2060	Microbiology	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 2065
BIOL 2065	Microbiology Lab	0	A	Coreq: BIOL 2060
BIOL 2220	Ecology	4	Sp	BIOL 1610 w/C grade or better. Coreq: BIOL 2225
BIOL 2225	Ecology Lab	0	Sp	Coreq: BIOL 2220
BIOL 2320	Human Anatomy	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 2325
BIOL 2325	Human Anatomy Lab	0	A	Coreq: BIOL 2320
BIOL 2327	Instr Exp in Human Anat	3	F, Sp	BIOL 2320 w/B grade or better
BIOL 2350	Field Studies in Bio	1-3	TBA	BIOL 1610 w/C grade or better
BIOL 2420	Human Physiology	4	A	BIOL 1610 and CHEM 1110 or CHEM 1210 all w/C grade or better. Coreq: BIOL 2425
BIOL 2425	Human Physiology Lab	0	A	Coreq: BIOL 2420
BIOL 2900	Special Topics in Bio	1-5	TBA	Defined by Instructor
BIOL 2990	Independent Study	1-2	TBA	BIOL 1610 w/C grade or better

BIOMANUFACTURING – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 63 credits minimum

Biotechnology Department
Jordan Campus, JHS
General Information, (801) 957-4073
Program Information, (801) 957-6450
http://www.slcc.edu/biomanufacturing
Academic Advisor, SI 209, (801) 957-4858

Program Faculty:
Instructors – Vivian Ngan-Winward

Program Description: The Biomanufacturing AAS is a comprehensive program that can be completed in four semesters. In addition to the courses required for the Biomanufacturing Diploma, students will be required to master concepts and skills in advanced biomanufacturing-related topics. While some of these topics are required, others are subject to student choice, based on the emphasis of the Biomanufacturing AAS degree selected. This advanced training will expand on the core manufacturing and core science skills covered by the Biomanufacturing Diploma program and will ready the student for entry- to mid- level positions in a
biomanufacturing environment.

Currently, three emphases for the Biomanufacturing AAS are available:

- Science & Technology
- Manufacturing Technology
- Lean Production & Six Sigma

The Science & Technology emphasis focuses on the current innovations driving biotechnology product research and development. This would be a good emphasis for students interested in the science and technology aspects of manufactured biotechnology products.

The Manufacturing Technology emphasis focuses on the manufacturing process. This would be a good emphasis for students interested in the mechanics and engineering aspects of biomanufacturing.

The Lean Production & Six Sigma emphasis focuses on the production philosophy that companies must adopt to minimize waste and product defects in order to maximize profit and customer satisfaction. This would be a good emphasis for students interested in the quality assurance and business management aspects of the biomanufacturing industry.

In addition to the General Education and major course requirements, the student will select the set of electives required for his/her chosen AAS emphasis.

Estimated Time to Completion: If student follow the suggested semester schedule, time to completion is two semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
Students will demonstrate introductory knowledge in: • The history of biotechnology and its applications • The local biomanufacturing industry • The blend of sciences involved in biomanufacturing • Biomanufacturing careers • The overall biomanufacturing process – the "big picture" • Basic biomanufacturing-related activities and specific processes • Quality management basics • Case studies of product failures Students will demonstrate foundational knowledge in quality systems and regulations, which govern the biomanufacturing industry: • Evolution of quality systems • Evolution of federal regulations	1 – Substantive Knowledge

• Generic quality management structure • Quality system documents • How to perform inspections • How to qualify vendors • Audits • Non-conformance and corrective / preventative actions • System improvements FOR DIPLOMA AND AAS DEGREES: • Students will demonstrate basic science knowledge in: • General biology (BIOL 1610 / 1615) • Microbiology (BIOL 2060 / 2065) • Elementary chemistry (CHEM 1110 / 1115) • Basic molecular biology techniques (BTEC 2010) FOR AAS DEGREE ONLY: • Students will demonstrate mastery of concepts and skills related to advanced biomanufacturing topics that are specific to their chosen biomanufacturing emphasis	
Students will demonstrate mastery of the following communication-related skills, which are highly applicable to the biomanufacturing setting: • Effective verbal and written communication • Effective documentation • Basic computer skills • Laboratory / workplace safety	2 – Communicate Effectively
Students will demonstrate proper data collection, handling, and analysis skills, particularly for quality assurance and control purposes as well as for troubleshooting and problem-solving	3 – Develop Quantitative Literacies
Students will demonstrate their ability to think critically for a variety of biomanufacturing-related functions: • Application of substantive knowledge • Quality assurance / quality control • Troubleshooting and problem-solving of biomanufacturing processes and/or product issues • Facilitation of system improvements	4 – Think Critically
Students will demonstrate their ability to hold meaningful discussions about biomanufacturing concepts, skills, and related topics with those in the biomanufacturing field as well as those with limited or no knowledge.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Intermed Algebra	4	A	RDG 0990; within past year MATH 0990 w/C grade or better or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (3-4 CREDITS)

Choose an additional three to four credits from one of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (36-38 CREDITS)

COURSE		CR	SEM	PREREQUISITE
BUS 1050	Foundation Business	3	A	ENGL 1010 (may be taken concurrently)
OR				
MKTG 1050	Consumerism (ID)	3	A	
BIOL 1610	College Biology I (BS)	4	A	MATH 0990 w/C grade or better or appropriate Accuplacer score; RDG 0990 w/C grade of better or appropriate Accuplacer score. Coreq: BIOL 1615
BIOL 1615	College Biology I Lab	0	A	Coreq: BIOL 1610
BIOL 2060	Microbiology	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 2065
BIOL 2065	Microbiology Lab	0	A	Coreq: BIOL 2060
CHEM 1110	Elem Chemistry	4	A	MATH 1010 or appropriate Accuplacer score. Recommended coreq: CHEM 1115
CHEM 1115	Elem Chemistry Lab	1	A	MATH 1010 or appropriate Accuplacer score. Recommended coreq: CHEM 1110
BMAN 1110	Intro Biomanufacturing	3	F, Sp	
BMAN 1120	Basic Bioman Skills	1	F, Sp	BMAN 1110 (can be taken concurrently) or instructor approval
BMAN 1150	Bioman Qual Sys & Reg	3	F, Sp	BMAN 1110 and BMAN 1120 w/C grade or better or instructor approval
BMAN 1180	Bioman Experience	2	F, Sp	BMAN 1110 and BMAN 1120 w/C grade or better or instructor approval
BMAN 2110	Good Manuf Practices	1	F, Sp	BMAN 1150 and BMAN 1180 w/C grade or better or instructor approval
BMAN 2120	Verification and Validation	2	F, Sp	BMAN 1150 and BMAN 1180 w/C grade or better or instructor approval
BMAN 2130	Measurement Fundamentals	2	F, Sp	BMAN 1150 and BMAN 1180 w/C grade or better or instructor approval
BMAN 2910	STUDENTfacturED Internship	2-4	A	BMAN 1150 and BMAN 1180 w/C grade or better or instructor approval
BTEC 2010	Applied Molecular Biology	4	F, Sp	BTEC 1010 and BTEC 1015 w/C grade or better and BIOL 1610 w/C grade or better

ELECTIVE COURSES: (COMPLETE ONE EMPHASIS AREA)

SCIENCE AND TECHNOLOGY EMPHASIS (11-14 CREDITS)

COURSE		CR	SEM	PREREQUISITE
BTEC 2900	Special Topics	2-5	F, Sp	BTEC 1080, or
ENGR 1050	Intro to Nanotechnology	3	F, Sp	
BTEC 2060	Biotech Instrumentation	3	F, Sp	CHEM 1110 and CHEM 1115 w/C grade or better; BTEC 1080 or BTEC 2100, and BTEC 2010 or BMAN 1150 and BMAN 1180 w/C or better or instructor permission
ONE OF:				
TECH 1010	Technology & the Future	3	F	
BMAN 1130	Bioengr in Society (ID)	3	F,Sp	

MANUFACTING EMPHASIS (12 CREDITS)

COURSE		CR	SEM	PREREQUISITE
BTEC 2060	Biotech Instrumentation	3	F, Sp	CHEM 1110 and 1115 w/C grade or better; BTEC 1080 or 2100 and BTEC 2010, or BMAN 1150 and 1180 w/C grade or better or instructor permission
EDDT 1040	Intro to AutoCAD	3	A	
EDDT 2340	Manufacturing Processes	2	F	EDDT 1040 or concurrently. Coreq: EDDT 2350
EDDT 2350	Manufac Processes Lab	1	F	Coreq: EDDT 2340
TECH 1030	Complex Devices Simpfd	3	F,Sp	

LEAN PRODUCTION AND SIX SIGMA EMPHASIS (13 CREDITS)

COURSE		CR	SEM	PREREQUISITE
MGT 2040	Business Statistics I	4	A	BUS 1050, MATH 1010 or FIN 1380, CIS 1020
MGT 2700	Prod & Ops Management	3	F	MGT 2340, MGT 2350, MATH 1050 or MATH 1090
MGT 2710	Qual Ctrl & Six Sigma	3	F	MGT 2340 and 2350
ONE OF:				
MGT 2720	Sup Chain Des & Mgmt	3	Sp	MGT 2700
MGT 2730	Lean Production	3	Sp	MGT 2700 and 2710

SAMPLE SCHEDULE – SCIENCE AND TECHNOLOGY EMPHASIS

FALL SEMESTER		**SPRING SEMESTER**	
ENGL 1010	3	DISTRIBUTION	3-4
MATH 1010	4	HR	3
BUS 1050/MKTG 1050	3	CHEM 1110	4
BMAN 1110	3	CHEM 1115	1
BMAN 1120	1	BMAN 1150	3
ENGR 1050	3	BMAN 1180	2
Total	**17**	**Total**	**16-17**
FALL SEMESTER		**SPRING SEMESTER**	
BMAN 2110	1	BTEC 2010	4
BIOL 1610	4	BTEC 2060	3
BIOL 1615	0	BIOL 2060	4
BMAN 2120	2	BIOL 2065	0
CM	3	BMAN 2130	2
ELEC	3	BTEC 2900	2-5
BMAN 2910	2-4		
Total	**15-17**	**Total**	**15-18**

SAMPLE SCHEDULE – MANUFACTURING TECH EMPHASIS

FALL SEMESTER		**SPRING SEMESTER**	
ENGL 1010	3	DISTRIBUTION	3-4
MATH 1010	4	BIOL 1610	4
BUS 1050/MKTG 1050	3	BIOL 1615	0
BMAN 1110	3	EDDT 1040	3
BMAN 1120	1	BMAN 1150	3
ENGR 1050	3	BMAN 1180	2
Total	**17**	**Total**	**15-16**
FALL SEMESTER		**SPRING SEMESTER**	
BMAN 2110	1	CM	3
EDDT 2340	2	HR	3
EDDT 2350	1	BIOL 2060	4
CHEM 1110	4	BIOL 2065	0
CHEM 1115	1	BMAN 2120	2
BTEC 2010	4	BMAN 2130	2
BTEC 2060	3		
BMAN 2910	2-4		
Total	**18-20**	**Total**	**14**

SAMPLE SCHEDULE – LEAN PROD & SIX SIGMA EMPHASIS			
FALL SEMESTER		**SPRING SEMESTER**	
ENGL 1010	3	CM	3
MATH 1010	4	BIOL 1610	4
BUS 1050/MKTG 1050	3	BIOL 1615	0
BMAN 1110	3	MGT 2040	4
BMAN 1120	1	BMAN 1150	3
DISTRIBUTION	3-4	BMAN 1180	2
Total	**17-18**	**Total**	**16**
FALL SEMESTER		**SPRING SEMESTER**	
BMAN 2110	1	BIOL 2060	4
MGT 2700	3	BIOL 2065	0
MGT 2710	3	BTEC 2010	4
CHEM 1110	4	BMAN 2120	2
CHEM 1115	1	BMAN 2130	2
HR	3	ELEC	3
BMAN 2910	2-4		
Total	**17-19**	**Total**	**15**

Advising Notes: Students successfully completing BMAN 1150 will receive a Certificate of Proficiency in Quality Systems and Regulations. This certificate recognizes their mastery of the concepts and skills in this critical and foundational core Biomanufacturing course. Certificates of Proficiency will be awarded for specific skill sets mastered, and can be utilized by employers to assess the skill level of an individual in both the hiring and promotional processes.

- BMAN 1150 Quality Systems & Regulations
- BMAN 2110 Good Manufacturing Practices
- BMAN 2120 Verification & Validation
- BMAN 2130 Measurement Fundamentals
- BTEC 2900 Science & Technology
- BTEC 2060 Equipment Trouble-Shooting
- EDDT 2340 Manufacturing Processes
- EDDT 2350 Manufacturing Processes Lab
- MGT 2710 Quality Control & Six Sigma
- MGT 2720 Supply Chain Design & Management
- MGT 2730 Lean Production
- TECH 1030 Systems Engineering Basics

These certificates recognize mastery of the concepts and skills in these critical and foundational biomanufacturing-relevant courses. Certificates of Proficiency can be utilized by employers to assess the skill level of an individual in both the hiring and promotional processes.

BIOMANUFACTURING – CERTIFICATE OF COMPLETION[CTE] 30 credits minimum

Biotechnology Department
Jordan Campus, JHS
General Information, (801) 957-4073
Program Information, (801) 957-6450
http://www.slcc.edu/biomanufacturing
Academic Advisor, SI 209, (801) 957-4858

Program Faculty:
Instructors – Vivian Ngan-Winward

Program Description: The courses of study available in the Biomanufacturing program provide students with training for entry- to mid- level positions at companies manufacturing biotechnological products. The program's curriculum is driven and supported by the local biomanufacturing industry, and focuses on using innovative practical activities to deliver the hands-on experience students require for the effective mastery of concepts and skills. Classes are taught by faculty with extensive experience in the biotechnology manufacturing industry. The main biomanufacturing sectors represented in the state are companies specializing in medical devices, natural products, pharmaceuticals, and a number of contract testing and research organizations. Local companies are anticipating that their skilled workforce needs will be fulfilled by the well-trained talent produced by the Biomanufacturing Program.

The Biomanufacturing Certificate of Completion is intended to be a short but intensive training program that can be completed in two semesters. Students will be introduced to the history of biotechnology and the local biomanufacturing industry, including the typical manufacturing process and career paths; master specific skills, including effective communication and documentation, workplace safety, quality control activities, and critical thinking; demonstrate their understanding of the various aspects of quality systems and regulations governing the biomanufacturing industry; reinforce concepts and skills learned by participating as a member of team that manufactures a specified quantity of a real biotechnological product. Students desiring additional biomanufacturing training can continue with the Biomanufacturing Diploma and/or the Biomanufacturing AAS tracks.

Estimated Time to Completion: If student follow the suggested semester schedule, tome to completion is two semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
Students will demonstrate introductory knowledge in: • The history of biotechnology and its applications • The local biomanufacturing industry • The blend of sciences involved in biomanufacturing • Biomanufacturing careers • The overall biomanufacturing process – the "big picture" • Basic biomanufacturing-related activities and specific processes • Quality management basics • Case studies of product failures Students will demonstrate foundational knowledge in quality systems and regulations, which govern the biomanufacturing industry: • Evolution of quality systems • Evolution of federal regulations • Generic quality management structure • Quality system documents • How to perform inspections • How to qualify vendors • Audits • Non-conformance and corrective / preventative actions • System improvements Students will demonstrate basic science knowledge in: • General biology (BIOL 1610 / 1615)	1 – Substantive Knowledge

• Microbiology (BIOL 2060 / 2065) • Elementary chemistry (CHEM 1110 / 1115) • Basic molecular biology techniques (BTEC 2010) Students will demonstrate mastery of concepts and skills related to advanced biomanufacturing topics that are specific to their chosen biomanufacturing emphasis	
Students will demonstrate mastery of the following communication-related skills, which are highly applicable to the biomanufacturing setting: • Effective verbal and written communication • Effective documentation • Basic computer skills • Laboratory / workplace safety	2 – Communicate Effectively
Students will demonstrate proper data collection, handling, and analysis skills, particularly for quality assurance and control purposes as well as for troubleshooting and problem-solving	3 – Develop Quantitative Literacies
Students will demonstrate their ability to think critically for a variety of biomanufacturing-related functions: • Application of substantive knowledge • Quality assurance / quality control • Troubleshooting and problem-solving of biomanufacturing processes and/or product issues • Facilitation of system improvements	4 – Think Critically
Students will demonstrate their ability to hold meaningful discussions about biomanufacturing concepts, skills, and related topics with those in the biomanufacturing field as well as those with limited or no knowledge.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Intermed Algebra	4	A	RDG 0990; within past year MATH 0990 w/C grade or better or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (3-4 CREDITS)

Choose an additional three to four credits from one of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (12 CREDITS)

COURSE		CR	SEM	PREREQUISITE
BUS 1050	Foundation Business	3	A	
OR				
MKTG 1050	Consumerism (ID)	3	A	
BMAN 1110	Int Biomanufacturing (ID)	3	F, Sp	
BMAN 1120	Basic Bioman Skills	1	F, Sp	BMAN 1110 (can be taken concurrently) or instructor approval
BMAN 1150	Bioman Qual Sys & Reg	3	F, Sp	BMAN 1110 and BMAN 1120 w/C grade or better or instructor approval
BMAN 1180	Bioman Experience	2	F, Sp	BMAN 1110 and BMAN 1120 w/C grade or better or instructor approval

PROGRAM ELECTIVES: (2-4 CREDITS)

COURSE		CR	SEM	PREREQUISITE
BMAN 2910	STUDENTfacturED Internship	2-4	A	BMAN 1150 and BMAN 1180 w/C grade or better or instructor permission

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
ENGL 1010	3	CM	3
MATH 1010	4	HR	3
BUS 1050	3	DISTRIBUTION	3
OR		BMAN 1150	3
MKTG 1050	3	BMAN 1180	2
BMAN 1110	3	ELEC	2-3
BMAN 1120	1		
Total	**14**	**Total**	**16-18**

Advising Notes: Students successfully completing BMAN 1150 will receive a Certificate of Proficiency in Quality Systems and Regulations. This certificate recognizes their mastery of the concepts and skills in this critical and foundational core Biomanufacturing course. Certificates of Proficiency will be awarded for specific skill sets mastered, and can be utilized by employers to assess the skill level of an individual in both the hiring and promotional processes.

BIOMANUFACTURING – DIPLOMA[CTE] 47-49 credits minimum

Biotechnology Department
Jordan Campus, JHS
General Information, (801) 957-4073
Program Information, (801) 957-6450
http://www.slcc.edu/biomanufacturing
Academic Advisor, SI 209, (801) 957-4858

Program Faculty:
Instructors – Vivian Ngan-Winward

Program Description: The courses of study available in the Biomanufacturing program provide students with training for entry- to mid- level positions at companies manufacturing biotechnological products. The program's curriculum is driven and supported by the local biomanufacturing industry, and focuses on using innovative practical activities to deliver the hands-on experience students require for the effective mastery of concepts and skills. Classes are taught by faculty with extensive experience in the biotechnology manufacturing industry. The main biomanufacturing sectors represented in the state are companies specializing in medical devices, natural products, pharmaceuticals, and a number of contract testing and research organizations. Local companies are anticipating that their skilled workforce needs will be fulfilled by the well-trained talent produced by the Biomanufacturing Program.

The Biomanufacturing Diploma is intended to be an intermediate length training program that could be completed in three semesters. In addition to the courses required for the Biomanu-facturing Certificate of Completion, students will be required to acquire basic science knowledge in the areas of general biology, microbiology, chemistry, and basic molecular biology techniques that is directly relevant to all functions in a biomanufacturing environment. This additional training will give students a 'bigger picture' appreciation of how the core skills covered by the Biomanufacturing Certificate of Completion fit in with the production requirements and application of manufactured products. Students desiring even more biomanufacturing training can continue with the Biomanufacturing AAS track.

Estimated Time to Completion: If student follow the suggested semester schedule, time to completion is two semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
Students will demonstrate introductory knowledge in: • The history of biotechnology and its applications • The local biomanufacturing industry • The blend of sciences involved in biomanufacturing • Biomanufacturing careers • The overall biomanufacturing process – the "big picture" • Basic biomanufacturing-related activities and specific processes • Quality management basics • Case studies of product failures Students will demonstrate foundational knowledge in quality systems and regulations, which govern the biomanufacturing industry: • Evolution of quality systems • Evolution of federal regulations • Generic quality management structure • Quality system documents • How to perform inspections • How to qualify vendors • Audits • Non-conformance and corrective / preventative actions • System improvements Students will demonstrate basic science knowledge in: • General biology (BIOL 1610 / 1615) • Microbiology (BIOL 2060 / 2065)	1 – Substantive Knowledge

• Elementary chemistry (CHEM 1110 / 1115) • Basic molecular biology techniques (BTEC 2010) Students will demonstrate mastery of concepts and skills related to advanced biomanufacturing topics that are specific to their chosen biomanufacturing emphasis	
Students will demonstrate mastery of the following communication-related skills, which are highly applicable to the biomanufacturing setting: • Effective verbal and written communication • Effective documentation • Basic computer skills • Laboratory / workplace safety	2 – Communicate Effectively
Students will demonstrate proper data collection, handling, and analysis skills, particularly for quality assurance and control purposes as well as for troubleshooting and problem-solving	3 – Develop Quantitative Literacies
Students will demonstrate their ability to think critically for a variety of biomanufacturing-related functions: • Application of substantive knowledge • Quality assurance / quality control • Troubleshooting and problem-solving of biomanufacturing processes and/or product issues • Facilitation of system improvements	4 – Think Critically
Students will demonstrate their ability to hold meaningful discussions about biomanufacturing concepts, skills, and related topics with those in the biomanufacturing field as well as those with limited or no knowledge.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Intermed Algebra	4	A	RDG 0990; within past year MATH 0990 w/C grade or better or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (3-4 CREDITS)

Choose an additional three to four credits from one of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (31-33 CREDITS)

COURSE		CR	SEM	PREREQUISITE
BUS 1050	Foundation Business	3	A	
OR				
MKTG 1050	Consumerism (ID)	3	A	
BMAN 1110	Int Biomanufacturing (ID)	3	F, Sp	
BMAN 1120	Basic Bioman Skills	1	F, Sp	BMAN 1110 (can be taken concurrently) or instructor approval
BMAN 1150	Bioman Qual Sys & Reg	3	F, Sp	BMAN 1110 and BMAN 1120 w/C grade or better or instructor approval
BMAN 1180	Bioman Experience	2	F, Sp	BMAN 1110 and BMAN 1120 w/C grade or better or instructor approval
BMAN 2910	STUDENTfacturED Internship	2-4	A	
BTEC 2010	Applied Molecular Biol	4	F, Sp	BTEC 1010 and 1015, or BMAN 1120; and BIOL 1610 w/C grade or better
BIOL 1610	College Biology I	4	A	MATH 0990 w/C grade or better or appropriate Accuplacer score; RDG 0990 w/C grade or better or appropriate Accuplacer score. Coreq: BIOL 1615
BIOL 1615	College Biology I Lab	0	A	Coreq: BIOL 1610
BIOL 2060	Microbiology	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 2065
BIOL 2065	Microbiology Lab	0	A	Coreq: BIOL 2060
CHEM 1110	Elem Chemistry	4	A	MATH 1010 or appropriate Accuplacer score. Recommended coreq: CHEM 1115
CHEM 1115	Elem Chemistry Lab	1	A	MATH 1010 or appropriate Accuplacer score. Recommended coreq: CHEM 1110

SAMPLE SCHEDULE

FALL SEMESTER		**SPRING SEMESTER**	
ENGL 1010	3	CM	3
MATH 1010	4	BIOL 1610	4
BUS 1050	3	BIOL 1615	0
OR		BMAN 1150	3
MKTG 1050	3	BMAN 1180	2
BMAN 1110	3	HR	3
BMAN 1120	1		
DISTRIBUTION	3		
Total	**17**	**Total**	**15**

FALL SEMESTER	
BIOL 2060	4
BIOL 2065	0
CHEM 1110	4
CHEM 1115	1
BTEC 2010	4
BMAN 2910	2-4
Total	**15-17**

Advising Notes: Students successfully completing BMAN 1150 will receive a Certificate of Proficiency in Quality Systems and Regulations. This certificate recognizes their mastery of the concepts and skills in this critical and foundational core Biomanufacturing course. Certificates of Proficiency will be awarded for specific skill sets mastered, and can be utilized by employers to assess the skill level of an individual in both the hiring and promotional processes.

BIOTECHNOLOGY – ASSOCIATE OF SCIENCE (AS) 60 credits minimum

Biotechnology Department
Jordan Campus, JHS
General Information, (801) 957-4073
Program Information, (801) 957-6450
http://www.slcc.edu/biomanufacturing
Academic Advisor, SI 209, (801) 957-4858

Program Faculty:
Assistant Professors: Charles Rettberg, Jean Bower

Program Description: The Biotechnology course of study provides students with training that prepares them for entry- to mid-level positions in research oriented environments. The program's curriculum is driven and supported by the local Biotechnology industry, and focuses on using innovative practical activities to deliver the hands-on experience students require for the effective mastery of concepts and skills. Classes are taught by faculty with extensive experience in research settings. Students may choose one of two degree paths depending on individual goals and expectations.

The degree includes a full complement of general education and skills-based biotechnology courses. The program provides students with a broad foundation upon which to continue their studies in the sciences.
The A.S. degree is primarily designed to transfer to Utah Valley University's (UVU) baccalaureate program in Biotechnology. Students may choose to take upper division classes at UVU's home campus in Orem, Utah, or they may choose to take upper division coursework as evening classes at the SLCC Jordan Campus. Students should note that other lower division coursework beyond what is listed in the A.S. degree will be required to complete the baccalaureate program in Biotechnology at UVU. See the SLCC Biotechnology homepage or the SLCC University Center homepage for the most current transfer information: www.slcc.edu/universitycenter/programs and www.slcc.edu/biotech

Transfer/Articulation Information: Students completing the A.S. in Biotechnology at SLCC may consider transfer to science degree programs other than Biotechnology. Students should be aware that the full complement of their General Education courses and many of their major course requirements will transfer to any four year institution in the Utah System of Higher Education. However, Biotechnology courses are only articulated with Utah Valley University at this time. Consult your academic advisor for more information.

Estimated Time to Completion: If students follow the suggested sample schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students will develop a general understanding of the Biotechnology field that includes: • The history of biotechnology • Applications of Biotechnology • Biotechnology careers • Case studies of biotechnology products and innovations	1,2,5
2. Students will develop technological and analytical skills that are applicable in the field of Biotechnology.	1,2,3,4,5
3. Students will develop a solid foundation of knowledge on which to further their education in the sciences.	1,4,5
4. Students will develop critical thinking skills used in applying the scientific method to problems.	1,4,5
5. Students will develop essential communication skills necessary in working with complex information and concepts.	1,2,5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1050	College Algebra	4	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

DISTRIBUTION AREAS:

Complete the following Biological Science (BS) distribution courses:

COURSE		CR	SEM	PREREQUISITE
BIOL 1610	College Biology I	4	A	MATH 0990 w/C grade or better or appropriate Accuplacer score AND RDG 0990 w/C grade or better or appropriate Accuplacer score. Coreq: BIOL 1615
BIOL 1615	College Biology I Lab	0	A	Coreq: BIOL 1610

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3

NOTE: Physical Science (PS) general education component is satisfied through pre-major coursework.

REQUIRED COURSES: (25 CREDITS)

COURSE		CR	SEM	PREREQUISITE
BTEC 1010	Intro to Biotechnology	3	F,Sp	MATH and RDG 0990 w/C grade or better or equivalent placement scores. Coreq: BTEC 1015
BTEC 1015	Intro to Biotechnology Lab	1	F,Sp	MATH and RDG 0990 w/C grade or better or equivalent placement scores. Coreq: BTEC 1010
BTEC 2010	Applied Molecular Biology	3	F,Sp	BTEC 1010 and 1015 w/C grade or better and BIOL 1610 w/C grade or better
BTEC 2020	Biomolec Sep and Analysis	3	F	BTEC 2010 w/C grade or better
BTEC 2030	Cell Culture	2	F, Sp	BTEC 2010 w/C grade or better
BTEC 2040	Advanced Molec Methods	3	Sp	BTEC 2010 w/C grade or better
CHEM 1210	General Chemistry I	4	A	MATH 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1215	General Chemistry I Lab	1	A	MATH 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1210
CHEM 1220	General Chemistry II	4	A	CHEM 1210. Recommended coreq: CHEM 1225
CHEM 1225	General Chemistry II Lab	1	A	CHEM 1210. Recommended coreq: CHEM 1220

PROGRAM ELECTIVES: (SELECT 2-4 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
BTEC 1060	NucAcidProtBchm	2	Sp	BTEC 1010 and BIOL 1610 w/C grade or better
BTEC 1080	Biotechnology Exp	3	A	BTEC 1010 and 1015 w/C grade or better
BMAN 1150	Bman Qlty Sys Reg	3	F,Sp	BMAN 1110 and 1120 w/C grade or better
BMAN 1180	Bioman Experience	4	F,Sp	BMAN 1110 and 1120 w/C grade or better
BMAN 2110	Good Manufact	1	F,Sp	BMAN 1150 and 1180 w/C grade or better or instructor approval
BMAN 2120	Verification & Valid	2	F,Sp	BMAN 1150 and 1180 w/C grade or better or instructors approval

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
BTEC 1010	3	BTEC 2010	3
BTEC 1015	1	BTEC ELEC	3
ENGL 1010	3	ENGL 2010	3
MATH 1050	4	DISTRIBUTION (2)	6
BIOL 1610/1615	4		
Total	**15**	**Total**	**15**

FALL SEMESTER		SPRING SEMESTER	
BTEC 2020	3	BTEC 2030	2
CHEM 1210	4	BTEC 2040	3
CHEM 1215	1	CHEM 1220	4
SC	3	CHEM 1225	1
AI	3	DISTRIBUTION (2)	6
LW	1		
Total	**15**	**Total**	**16**

Advising Notes: Upper division courses may be taken at the SLCC Jordan Campus with Utah Valley University at any time that the prerequisites for those courses have been satisfied. However, students should note that other lower division classes, beyond those listed in the Biotechnology A.S. degree, are required for the Bachelor of Science degree at Utah Valley University and can be taken at SLCC.

The following list indicates the additional courses required at the lower division level to earn a Bachelor's of Science degree from UVU. Contact the University Center for updated information (www.slcc.edu/universitycenter/programs):

COURSE		CR	SEM	PREREQUISITE
MATH 2040	Statistics	4	F	Within last year MATH 1050 w/C grade or better or appropriate Accuplacer score
BIOL 2060	Microbiology	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 2065
BIOL 2065	Microbiology Lab	0	A	Coreq: BIOL 2060
CHEM 2310	Organic Chem I	4	A	CHEM 1220 w/C grade or better. Recommended coreq: CHEM 2315.
CHEM 2315	Organic Chem I Lab	1	A	CHEM 1220 w/C grade or better. Recommended coreq: CHEM 2310
CHEM 2320	Organic Chem II	4	A	CHEM 2310w/C grade or better. Recommended coreq: CHEM 2325
CHEM 2325	Organic Chem II Lab	1	A	CHEM 2310w/C grade or better. Recommended coreq: CHEM 2320
PHYS 2010	College Physics I	4	A	MATH 1060 or 1080. Recommended coreq: PHYS 2015
PHYS 2015	College Phys Lab I	1	A	MATH 1060 or 1080. Recommended coreq: PHYS 2010
PHYS 2020	College Phys II	4	A	PHYS 2010. Recommended coreq: PHYS 2025
PHYS 2025	College Phys Lab II	1	A	PHYS 2010. Recommended coreq: PHYS 2020

BIOTECHNOLOGY – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 62 credits minimum

Biotechnology Department
Jordan Campus, JHS
General Information, (801) 957-4073
Program Information, (801) 957-6450
http://www.slcc.edu/biomanufacturing
Academic Advisor, SI 209, (801) 957-4858

Program Faculty:
Assistant Professors: Charles Rettberg, Jean Bower

Program Description: The Biotechnology course of study provides students with training that prepares them for entry- to mid-level positions in research oriented environments. The program's curriculum is driven and supported by the local Biotechnology industry, and focuses on using innovative practical activities to deliver the hands-on experience students require for the effective mastery of concepts and skills. Classes are taught by faculty with extensive experience in research settings. Students may choose one of two degree paths depending on individual goals and expectations.

This degree requires students to acquire comprehensive skills and knowledge relative to a wide range of biotechnology activities. Students completing the A.A.S. degree will be well positioned for entry to mid-level employment in a life science laboratory. Many of the courses obtained through the AAS degree can be transferred to Utah Valley University's baccalaureate degree in Biotechnology should students wish to continue their studies at a higher level. See the advising notes below for more information.

Estimated Time to Completion: If students follow the suggested sample schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students will develop a general understanding of the Biotechnology field that includes: • The history of biotechnology • Applications of Biotechnology • Biotechnology careers • Case studies of biotechnology products and innovations	1,2,5
2. Students will develop technological and analytical skills that are applicable in the field of Biotechnology.	1,2,3,4,5
3. Students will develop a solid foundation of knowledge on which to further their education in the sciences.	1,4,5
4. Students will develop critical thinking skills used in applying the scientific method to problems.	1,4,5
5. Students will develop essential communication skills necessary in working with complex information and concepts.	1,2,5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE LITERACY (QL) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Intermediate Algebra	4	A	RDG 0990; within last year MATH 0990 w/C grade or better or appropriate Accuplacer score

COMMUNICATIONS (CM)
Any approved CM course

HUMAN RELATIONS (HR)
Any approved HR course

DISTRIBUTION AREAS:
Choose one course (three credit hours) from one of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (47 CREDITS)

COURSE		CR	SEM	PREREQUISITE
BTEC 1010	Intro to Biotechnology	3	F,Sp	MATH and RDG 0990 w/C grade or better or equivalent placement scores. Coreq: BTEC 1015
BTEC 1015	Intro to Biotechnology Lab	1	F,Sp	MATH and RDG 0990 w/C grade or better or equivalent placement scores. Coreq: BTEC 1010
BTEC 1030	Biotechnology Seminar	2	Sp	BTEC 1010 and 1015 w/C grade or better
BTEC 1060	Nuc Acid Prot Bchm	2	Sp	BTEC 1010 and BIOL 1610 w/C grade or better
BTEC 1080	Biotechnology Experience	3	A	BTEC 1010 and 1015 w/C grade or better
BTEC 2010	Applied Molecular Biology	3	F,Sp	BTEC 1010 and 1015 w/C grade or better and BIOL 1610 w/C grade or better
BTEC 2020	Biomolecular Sep & Analysis	3	F	BTEC 2010 w/C grade or better
BTEC 2030	Cell Culture	2	F, Sp	BTEC 2010 w/C grade or better
BTEC 2040	Advanced Molec Methods	3	Sp	BTEC 2010 w/C grade or better
BTEC 2050	Bioinformatics	2	F	BTEC 2010 w/C grade or better
BTEC 2100	Biotechnology Research	4	A	BTEC 1080 w/C grade or better or instructor permission
BMAN 1150	Bioman Quality Systems	3	F, Sp	BMAN 1110 and 1120 w/C grade or better or instructor permission
BMAN 2110	Good Manufacturing Proc	1	F, Sp	BMAN 1150 and 1180 w/C grade or better or instructor permission
BMAN 2120	Verification & Validation	2	F, Sp	BMAN 1150 and 1180 w/C grade or better or instructor permission
BIOL 1610	College Biology I	4	A	MATH 0990 w/C grade or better or appropriate Accuplacer score, RDG 0990 w/C grade ot hetter or appropriate Accuplacer score. Coreq: BIOL 1615
BIOL 1615	College Biology I Lab	0	A	Coreq: BIOL 1610
BIOL 2060	Microbiology	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 2065
BIOL 2065	Microbiology Lab	0	A	Coreq: BIOL 2065
CHEM 1110	Elementary Chemistry	4	A	MATH 1010 or appropriate Accuplacer score. Recommended coreq: CHEM 1115
CHEM 1115	Elementary Chemistry Lab	1	A	MATH 1010 or appropriate Accuplacer score. Recommended coreq: CHEM 1110

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
BTEC 1010	3	BTEC 1080	3
BTEC 1015	1	BTEC 1060	2
ENGL 1010	3	BTEC 2010	3
MATH 1010	4	CHEM 1110	4
BIOL 1610/1615	4	CHEM 1115	1
		BTEC 1030	2
Total	**15**	**Total**	**15**

FALL SEMESTER		SPRING SEMESTER	
BTEC 2020	3	BTEC 2040	3
BMAN 1150	3	BTEC 2100	4
BIOL 2060/2065	4	BMAN 2110	1
BTEC 2050	2	BMAN 2120	2
BTEC 2030	2	DISTRIBUTION	3
HR	3	CM	3
Total	**17**	**Total**	**16**

Advising Notes: Students considering the possibility of transferring to a Bachelor's degree program at a future date should strongly consider the following course options:

- CHEM 1210/1215 in place of CHEM 1110/1115 since this course will transfer
- COMM 1010 or COMM 1020 for the Communications elective since either class will satisfy the Student Choice elective as an Intensive course
- LE 1220 for the Human Relations elective since this class will also satisfy the Social Science Distribution requirement of General Education electives
- BMAN 1110 is a recommended course that is highly pertinent to Biotechnology work skills and satisfies the Interdisciplinary (ID) category of General Education

BUSINESS – ASSOCIATE OF ARTS (AA) 64 credits minimum

Management, Marketing and Culinary Arts Division
Taylorsville Redwood Campus, BB 234
General Information, (801) 957-4073
Program Information, (801) 957-4483
http://www.slcc.edu/businessmanagement
Academic Advisor, BB 132, (801) 957-4323

Faculty members represent the following areas: Accounting, Business Communication, Business Management, Computer Information Systems, Computer Science, Culinary Arts, Economics, Finance and Credit and Marketing.

Program Description: Business Associate of Arts and Business Associate of Science degrees are designed as transfer degrees to business schools at four-year institutions within the Utah System of Higher Education. Requirements at four-year colleges and universities are subject to change; ongoing planning is essential. Students interested in degrees designed for immediate business employment should review the Certificate and Associate of Applied Science degrees.

The Associate of Arts degree requires the study of a foreign language. Initial general advising can be obtained from any General Academic Advisor while advanced and transfer information can be obtained through the Business Academic Advisor, Taylorsville Redwood Campus, Business Building, room 132A.

PREPARATION NOTE

Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program. Any class in the preparatory skills may be waived if students can demonstrate equivalent skills.

PREREQUISITES

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken.

COMPUTER PROFICIENCY

CIS 1020 and CIS 2010 are the 2 required computer proficiency courses for business schools at Utah four-year colleges and universities. Most Utah universities require a grade of B or better. Consequently, SLCC strongly recommends a B or better. Students should be familiar with the requirements of the receiving transfer institution and discuss graduation requirements with the business academic advisor. Students have the option to pass the Challenge Exam for CIS 1020. It is required to pass each section of the test with the correct answer score of 80% or higher. Once the exam is passed, a P is posted to the transcript and the credit is awarded. This P is acceptable at all Utah four-year colleges and universities. CIS 1020 is a pre-requisite for CIS 2010 and additional program required courses. Students who wish to take the challenge exam for CIS 1020 are advised to review the information at www.slcc.edu/CIS.

ELECTIVE OPTIONS

These are based on requirements of intended institution of transfer. Contact any general academic advisor or the business academic advisor for more information.

CLASS AVAILABILITY

The semesters in which courses are taught are listed below. Students should check the semester class schedule for day/evening availability and modifications caused by varying enrollment.

Transfer/Articulation Information: Course articulation agreements exist with Brigham Young University, College of Eastern Utah, Dixie State College, Southern Utah University, Snow College, University of Utah, Utah State University, Utah Valley University, Weber State University and Westminster College. Agreements are available in Business Building, room 132, or Student Center room 240 in the Transfer Center files or with academic advisors at other campuses. Transfer planning is essential. Advisors are available in Business Building, Room BB 132-A, or Student Center Room 240, or advising at other SLCC campuses. Students who will major in accounting should consider completing the accounting courses just prior to transfer so they are ready for the junior level accounting requirements.

BRIGHAM YOUNG UNIVERSITY - Pre-Accounting Majors
Accounting at BYU is a limited enrollment, competitive admission major, accepting students once a year for fall only. Prerequisites--ACC 200 or 201; ACC 310 or 202; MCOM 320; ISYS 201; ISYS 100 & 101 (CIS 2010)--must be completed with the grades posted before applying to the accounting program. ACCT 2010 (BYU ACC 201) and ACCT 2020 (ACC 202) must have a minimum grade of 'B' or better. All prerequisite transfer grades are discounted .3 (e.g., A to A-). Transfer students can increase their acceptance possibilities by (1) taking BYU's ACC 310 and (2) complete one semester of BYU courses. These courses may also be completed at the BYU Salt Lake Center. The minimum GPA to apply is 3.0, but the typical GPA for admissions to accounting is 3.8. Rolling admissions begins Nov. 1 of the preceding year. (Rolling admissions means that the accounting committee sets a very high acceptance standard and any students who meets that acceptance standard is accepted prior to the final application deadline the last working day of June. All other applying students are placed in the standard ranking list and acceptance is determined under usual acceptance—typically in July.) http://marriottschool.byu.edu/bsacc/currentstudents/flowcharts

BRIGHAM YOUNG UNIVERSITY - Pre-Information Systems Majors
Information Systems (ISYS) at BYU is a limited enrollment, competitive admission major, accepting students once a year for fall only. Prerequisites-- BYU's ISYS 201, ISYS 303; ACC 200 or 201 (ACCT 2010); MCOM 320; ISYS 100 & 101(CIS 2010)--must be completed with the grades posted before applying to the ISYS program. All prerequisite transfer grades are discounted .3 (e.g., A to A-).The minimum GPA is 3.0 but the typical GPA for admissions is 3.5 to 3.7. The final application deadline is the last working day of June. It is recommended that transfer students complete one semester of BYU courses before applying. http://marriottschool.byu.edu/bsisys/flowcharts

BRIGHAM YOUNG UNIVERSITY - Pre-Management Majors
Management at BYU is a limited enrollment, competitive admission major, accepting students fall, winter, and spring semesters (spring semester at SLCC is called winter semester at BYU). Prerequisites—MATH 119; STAT 121; ECON 110; ACC 201 (ACCT 2010); ISYS 100 & 101 (CIS 2010)--must be completed with the grades posted before applying to the accounting program. Grades for BUS 1100 (MATH 119), MGT 2040 (STAT 121), ECON 2010 & ECON 2020 (ECON 110) are discounted .3 (A to A-). Overall GPA and last 30 hrs GPA are not discounted. The minimum GPA to apply is 3.0 but the typical GPA of recently admitted students is a 3.7 (Prerequisites GPA +Overall GPA +Last 30 hours GPA=Average GPA). It is strongly recommended that transfer students complete one semester of BYU courses before applying.
http://marriottschool.byu.edu/bsmgt/current/flowcharts

DIXIE STATE COLLEGE
The minimum pre-business GPA is 2.5. No pre-business courses below a grade of "C-" are accepted. CIS 1200 (Computer Literacy) and CIS 2010 (Business Computer Proficiency) with a "B-" grade or better clear the computer proficiency requirement. DSC accepts an Interpersonal Communication or Public Speaking course to fulfill its Communication pre-business requirement. DSC highly recommends that interested Business/Accounting students meet with a DSC Business advisor before transferring for additional information and requirements. Go to www.dixie.edu/business for advisor contact information.

SOUTHERN UTAH UNIVERSITY
CIS 1020 with a B grade or better clears the computer proficiency requirement to enter upper-division course work. CIS 2010 is required as of fall 2007. Business course requirements that can be taken as part of General Education: PSY1010 (SS) or SOC 1010 (SS). The minimum GPA requirements are a 2.5+ in the pre-business and upper-division courses, including all transfer work.

UNIVERSITY OF UTAH
The University of Utah's David Eccles School of Business (DESB) no longer has minimum grade requirements but has instead opted for an overall GPA to determine entrance. The DESB now uses a rolling admissions procedure whereby the Business Admissions Committee sets a very high acceptance standard and any students who meets that acceptance standard is accepted prior to the final application deadline. All other applying students are placed in the standard ranking list and acceptance is determined under usual acceptance at a later date. Recent applicants are averaging 3.5 with 50% of applicants between 3.4 and 3.6. The DESB no longer requires ECON 2020 to enter or graduate, no longer accepts MGT 2050 from SLCC and only requires BUS 1100 If one plans to specialize in Accounting, Finance or Operations Management. Students are strongly encouraged to consult an advisor for assistance in preparing to transfer.

UTAH STATE UNIVERSITY
CIS 1020 and CIS 2010 with a B grade or better clear the computer proficiency requirement to enter upper-division course work.

Business course requirements that can be taken as part of General Education: PSY 1010 or SOC 1010.

SLCC Business AS/AA transfer students with a GPA of 3.5 or higher will be automatically accepted into USU's College of Business. Students with a GPA below 3.5 must apply through the College of Business with a minimum 'C' or better in ECON 2020, BUS 1100 and MGT 2040 and complete an application with essay. Students who plan to major in Accounting must have a grade of 'B' or better in Accounting 2010. USU also requires SLCC's BUS 2200 Business Communication which can be completed in addition to or as a part of the Business AS or AA degree. A GPA of 3.0 is usually the lower end of applicants who are accepted.

Students may also pursue a degree in Business with an option in Accounting or General Business through the University Center at SLCC. The minimum required GPA is 2.56. For further information, call (385) 646-5570.

UTAH VALLEY UNIVERSITY
The overall minimum GPA is a 2.5. No business courses below a grade of 'C-' are accepted. CIS 1020 and CIS 2010 with a 'B' grade or better clear the computer proficiency requirement. UVU also requires SLCC's BUS 2200 Business Communication.

WEBER STATE UNIVERSITY
CIS 2010 with a 'B' grade (80%) or better to clear the computer proficiency requirement to enter upper-division course work. COMM 1020 recommended. Before applying for admission to the Goddard School of Business students must attend at least one semester at WSU. They must have an overall GPA of 2.5 or higher. An overall GPA of 2.5 and a grade of C- or higher is required for ACCT 2010, ECON 2010, ECON 2020, and MGT 2040. Students must also have a Transfer Summary validation completed. Request this from the GSBE Academic Advising Center at WSU.

WESTMINSTER COLLEGE
COMM 1020 is required for graduation. Westminster now offers business B.S. degrees which do not require foreign language. The business B.A. degrees require 2-3 semesters of one foreign language (see advisor). ENGL 2100 is not accepted at Westminster toward the English general education requirement. Minimum GPA of 2.3 is required. The general education diversity (DV) class has to be taken at Westminster. Check with an advisor to see about any SLCC class that might articulate for a DV at Westminster. However none of the DV classes at SLCC will count for this requirement.

Westminster College also offers an online Bachelors of Business Administration degree. Requirements to get into this program are an Associate degree in any subject matter and six years work experience. Contact the SLCC University Center for more information www.slcc.edu/universitycenter/programs/westminster.asp.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Specialized Accreditation: All associate degree business programs at SLCC are accredited by the Accreditation Council for Business Schools and Programs (ACBSP). Accreditation represents the achievement of meeting high national standards established for associate degree granting business programs and facilitates transfer of credits to four year universities and colleges.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1.1 Demonstrate knowledge of local and national laws and our legal system on a level appropriate for a second-year student. 1.2 Demonstrate an understanding of how ethical behavior in business enhances and improves a company's legal standing in our society at a level appropriate for a second-year student. 1.3 Demonstrate advanced quantitative and qualitative methodology for computing and displaying business data on a level appropriate for a second-year student. 1.4 Use appropriate business software and systems to analyze and display business data and performance measures for the purpose of decision making on a level appropriate for a second year student.	1 – Substantive Knowledge
2.1 Validate the ability to communicate effectively by successfully completing MGT core courses. 2.2 Communicate effectively by successfully completing the written portion of homework assignments and exams. 2.3 Communicate effectively while working in groups and teams in the classroom. 2.4 Communicate effectively using credible research data.	2 – Communicate Effectively

3.1 Demonstrate quantitative literacy by successfully completing management quantitative core courses. 3.2 Choose and perform appropriate quantitative analyses 3.3 Use appropriate computer software to perform data analyses and to enhance decision making.	3 – Develop Quantitative Literacy
4.1 Demonstrate critical thinking skills through analysis, synthesis, evaluation, and application in core and elective business courses. 4.2 Extract relevant data from complex information, process it appropriately, and draw reasonable conclusions. 4.3 Collaborate on team case studies and research projects and oral presentations.	4 – Think Critically
5.1 Recognize the ethical considerations that are inherently involved in business. 5.2 Engage in principled dialogue on civic issues in a professional and constructive manner. 5.3 Take a leadership and/or group member role in discussions and projects. 5.4 Connect with local business organizations. 5.5 Work with a local business to conduct research and present a written report and/or appropriate documents for the organization.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) 3-4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1050	College Algebra	4	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score
OR				
MATH 1090	College Alg Bus	3	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1020	Prin Public Speaking	3	A	

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	
Physical Science (SS)	3

NOTE: It is recommended students take:
BUS 1050 as Interdisciplinary (ID) distribution course
ECON 2020 as Social Science (SS) distribution course for University of Utah
PSY 1010 or SOC 1010 as Social Science (SS) distribution course for Utah State University

LANGUAGE (LN) 5 CREDITS

COURSE		CR	SEM	PREREQUISITE
LANG 1020	(LN)	5		LANG 1010

NOTE: LANG prefix does not exist; the LANG prefix would be replaced by the prefix for the individual language chosen: ARB, CHI, FRN, GER, ITL, JPN, NAV, POR, RUS, SAM, SPN, TNG

Students who want to earn a BA degree after transfer from SLCC are advised to take a language that the chosen school offers as upper-division to meet the BA language requirement. Not all colleges and universities offer all languages; consult with the chosen school's language department.

REQUIRED COURSES: (19-21 CREDITS)

COMPLETE EITHER OPTION 1 OR 2:

OPTION 1

COURSE		CR	SEM	PREREQUISITE
ACCT 1110	Financial Accounting I	3	A	
AND				
ACCT 1120	Financial Accounting II	3	A	ACCT 1110

OR

OPTION 2

COURSE		CR	SEM	PREREQUISITE
ACCT 2010	Survey Financial Accounting	3	A	

NOTE: Students considering a major in Accounting should consider ACCT 1110 and ACCT 1120 for better preparation for subsequent accounting courses. ACCT 1110 alone will not clear the Financial Accounting requirement at 4-year schools.

All Utah 4-year colleges accept ACCT 1110 and ACCT 1120 or ACCT 2010 for Financial Accounting. The additional 3 credit hours required when taking the ACCT 1110 and ACCT 1120 combination are generally applied to Business elective courses at 4-year schools.

COMPLETE ALL OF THE FOLLOWING:

COURSE		CR	SEM	PREREQUISITE
ACCT 2020	Managerial Acct	3	A	ACCT 1110 or ACCT 2010, and CIS 1020 or challenge exam
BUS 1050	Foundations of Bus	3	A	ENGL 1010 (may be taken concurrently)
CIS 2010	Bus Cmp Prof Database	3	A	CIS 1020 or challenge exam
ECON 2010	Microeconomics	3	A	
MGT 2040	Bus Statistics I	4	A	BUS 1050, MATH 1010 or FIN 1380, and CIS 1020

ELECTIVE COURSES: (SELECT 6 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
BUS 1040	Ethics at Work	3	A	
BUS 1100	Calculus for Bus	3	A	MATH 1050 or MATH 1090
BUS 2200	Bus Communications	3	A	ENGL 1010 w/C or better
ECON 2020	Macroeconomics	3	A	
MGT 1100	Small Bus Management	3	A	
MGT 1600	Management Essentials	3	A	
MGT 2020	Entrepreneurship	3	A	BUS 1050, MKTG 1030, and ACCT 1210
MGT 2050	Legal Environ of Bus	3	A	BUS 1050
MGT 2070	Human Resource Mgmt	3	A	BUS 1050
MGT 2080	Employment Law	3	Sp	BUS 1050
MGT 2600	International Trade/Bus	3	A	BUS 1050 or ECON 2020
MGT 2990	Current Topics Mgmt	1	A	Variable, contact department

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ACCT 1110	3	(ACCT 1120)	(3)
OR		ACCT 2020	3
ACCT 2010	3	ENGL 2010	3
COMM 1020	3	AI	3
ENGL 1010	3	ELEC	3
MATH 1050	4	DISTRIBUTION (2)	6
OR			
MATH 1090	3		
LW	1		
Total	**13-14**	**Total**	**18**
FALL SEMESTER		**SPRING SEMESTER**	
CIS 2010	3	MGT 2040	4
ECON 2010	3	MGT 2990	1
LANG 1020	5	DISTRIBUTION (3)	9
ELEC	3		
DISTRIBUTION	3		
Total	**17**	**Total**	**14**

Advising Notes: Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program. Any class in the preparatory skills may be waived if students can demonstrate equivalent skills. It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken.

Additional transfer requirements beyond the AA/AS degrees may be taken at SLCC before transferring to Utah State University, Southern Utah University and Utah Valley University.

BUSINESS – ASSOCIATE OF SCIENCE (AS) 63 credits minimum

Management, Marketing and Culinary Arts Division
Taylorsville Redwood Campus, BB 243
General Information, (801) 957-4073
Program Information, (801) 957-4483
http://www.slcc.edu/businessmanagement
Academic Advisor, BB 132, (801) 957-4323

Faculty members represent the following areas: Accounting, Business Communication, Business Management, Computer Information Systems, Computer Science, Culinary Arts, Economics, Finance and Credit and Marketing.

Program Description: Business Associate of Arts and Business Associate of Science degrees are designed as transfer degrees to business schools at four-year institutions within the Utah System of Higher Education. Requirements at four-year colleges and universities are subject to change; ongoing planning is essential. Students interested in degrees designed for business employment should review the Certificate and Associate of Applied Science degrees.

The Associate of Arts degree requires the study of a foreign language. Initial general advising can be obtained from any General Academic Advisor while advanced and transfer information can be obtained through the Business Academic Advisor, Taylorsville Redwood Campus, Business Building, room 132A.

PREPARATION NOTE

Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program. Any class in the preparatory skills may be waived if students can demonstrate equivalent skills.

PREREQUISITES

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken.

COMPUTER PROFICIENCY

CIS 1020 and CIS 2010 are the 2 required computer proficiency courses for business schools at Utah four-year colleges and universities. Most Utah universities require a grade of B or better. Consequently, SLCC strongly recommends a B or better. Students should be familiar with the requirements of the receiving transfer institution and discuss graduation requirements with the business academic advisor. Students have the option to pass the Challenge Exam for CIS 1020. It is required to pass each section of the test with the correct answer score of 80% or higher. Once the exam is passed, a P is posted to the transcript and the credit is awarded. This P is acceptable at all Utah four-year colleges and universities. CIS 1020 is a pre-requisite for CIS 2010 and additional program required courses. Students who wish to take the challenge exam for CIS 1020 are advised to review the information at www.slcc.edu/CIS.

ELECTIVE OPTIONS

These are based on requirements of intended institution of transfer. Contact any general academic advisor or the business academic advisor for more information.

CLASS AVAILABILITY

The semesters in which courses are taught are listed below. Students should check the semester class schedule for day/evening availability and modifications caused by varying enrollment.

Transfer/Articulation Information: Course articulation agreements exist with Brigham Young University, College of Eastern Utah, Dixie State College, Southern Utah University, Snow College, University of Utah, Utah State University, Utah Valley University, Weber State University and Westminster College. Agreements are available in Business Building, room 132, or Student Center room 240 in the Transfer Center files or with academic advisors at other campuses. Transfer planning is essential. Advisors are available in Business Building, Room BB 132-A, or Student Center Room 240, or advising at other SLCC campuses. Students who will major in accounting should consider completing the accounting courses just prior to transfer so they are ready for the junior level accounting requirements.

BRIGHAM YOUNG UNIVERSITY - Pre-Accounting Majors
Accounting at BYU is a limited enrollment, competitive admission major, accepting students once a year for fall only. Prerequisites--ACC 200 or 201; ACC 310 or 202; MCOM 320; ISYS 201; ISYS 100 & 101 (CIS 2010)--must be completed with the grades posted before applying to the accounting program. ACCT 2010 (BYU ACC 201) and ACCT 2020 (ACC 202) must have a minimum grade of 'B' or better. All prerequisite transfer grades are discounted .3 (e.g., A to A-). Transfer students can increase their acceptance possibilities by (1) taking BYU's ACC 310 and (2) complete one semester of BYU courses. These courses may also be completed at the BYU Salt Lake Center. The minimum GPA to apply is 3.0, but the typical GPA for admissions to accounting is 3.8. Rolling admissions begins Nov. 1 of the preceding year. (Rolling admissions means that the accounting committee sets a very high acceptance standard and any students who meets that acceptance standard is accepted prior to the final application deadline the last working day of June. All other applying students are placed in the standard ranking list and acceptance is determined under usual acceptance—typically in July.) http://marriottschool.byu.edu/bsacc/currentstudents/flowcharts

BRIGHAM YOUNG UNIVERSITY - Pre-Information Systems Majors
Information Systems (ISYS) at BYU is a limited enrollment, competitive admission major, accepting students once a year for fall only. Prerequisites-- BYU's ISYS 201, ISYS 303; ACC 200 or 201 (ACCT 2010); MCOM 320; ISYS 100 & 101(CIS 2010)--must be completed with the grades posted before applying to the ISYS program. All prerequisite transfer grades are discounted .3 (e.g., A to A-).The minimum GPA is 3.0 but the typical GPA for admissions is 3.5 to 3.7. The final application deadline is the last working day of June. It is recommended that transfer students complete one semester of BYU courses before applying. http://marriottschool.byu.edu/bsisys/flowcharts

BRIGHAM YOUNG UNIVERSITY - Pre-Management Majors
Management at BYU is a limited enrollment, competitive admission major, accepting students fall, winter, and spring semesters (spring semester at SLCC is called winter semester at BYU). Prerequisites—MATH 119; STAT 121; ECON 110; ACC 201 (ACCT 2010); ISYS 100 & 101 (CIS 2010)--must be completed with the grades posted before applying to the accounting program. Grades for BUS 1100 (MATH 119), MGT 2040 (STAT 121), ECON 2010 & ECON 2020 (ECON 110) are discounted .3 (A to A-). Overall GPA and last 30 hrs GPA are not discounted. The minimum GPA to apply is 3.0 but the typical GPA of recently admitted students is a 3.7 (Prerequisites GPA +Overall GPA +Last 30 hours GPA=Average GPA). It is strongly recommended that transfer students complete one semester of BYU courses before applying.
http://marriottschool.byu.edu/bsmgt/current/flowcharts

DIXIE STATE COLLEGE
The minimum pre-business GPA is 2.5. No pre-business courses below a grade of "C-" are accepted. CIS 1200 (Computer Literacy) and CIS 2010 (Business Computer Proficiency) with a "B-" grade or better clear the computer proficiency requirement. DSC accepts an Interpersonal Communication or Public Speaking course to fulfill its Communication pre-business requirement. DSC highly recommends that interested Business/Accounting students meet with a DSC Business advisor before transferring for additional information and requirements. Go to www.dixie.edu/business for advisor contact information.

SOUTHERN UTAH UNIVERSITY
CIS 1020 with a B grade or better clears the computer proficiency requirement to enter upper-division course work. CIS 2010 is required as of fall 2007. Business course requirements that can be taken as part of General Education: PSY1010 (SS) or SOC 1010 (SS). The minimum GPA requirements are a 2.5+ in the pre-business and upper-division courses, including all transfer work.

UNIVERSITY OF UTAH
The University of Utah's David Eccles School of Business (DESB) no longer has minimum grade requirements but has instead opted for an overall GPA to determine entrance. The DESB now uses a rolling admissions procedure whereby the Business Admissions Committee sets a very high acceptance standard and any students who meets that acceptance standard is accepted prior to the final application deadline. All other applying students are placed in the standard ranking list and acceptance is determined under usual acceptance at a later date. Recent applicants are averaging 3.5 with 50% of applicants between 3.4 and 3.6. The DESB no longer requires ECON 2020 to enter or graduate, no longer accepts MGT 2050 from SLCC and only requires BUS 1100 If one plans to specialize in Accounting, Finance or Operations Management. Students are strongly encouraged to consult an advisor for assistance in preparing to transfer.

UTAH STATE UNIVERSITY
CIS 1020 and CIS 2010 with a B grade or better clear the computer proficiency requirement to enter upper-division course work.

Business course requirements that can be taken as part of General Education: PSY 1010 or SOC 1010.

SLCC Business AS/AA transfer students with a GPA of 3.5 or higher will be automatically accepted into USU's College of Business. Students with a GPA below 3.5 must apply through the College of Business with a minimum 'C' or better in ECON 2020, BUS 1100 and MGT 2040 and complete an application with essay. Students who plan to major in Accounting must have a grade of 'B' or better in Accounting 2010. USU also requires SLCC's BUS 2200 Business Communication which can be completed in addition to or as a part of the Business AS or AA degree. A GPA of 3.0 is usually the lower end of applicants who are accepted.

Students may also pursue a degree in Business with an option in Accounting or General Business through the University Center at SLCC. The minimum required GPA is 2.56. For further information, call (385) 646-5570.

UTAH VALLEY UNIVERSITY
The overall minimum GPA is a 2.5. No business courses below a grade of 'C-' are accepted. CIS 1020 and CIS 2010 with a 'B' grade or better clear the computer proficiency requirement. UVU also requires SLCC's BUS 2200 Business Communication.

WEBER STATE UNIVERSITY
CIS 2010 with a 'B' grade (80%) or better to clear the computer proficiency requirement to enter upper-division course work. COMM 1020 recommended. Before applying for admission to the Goddard School of Business students must attend at least one semester at WSU. They must have an overall GPA of 2.5 or higher. An overall GPA of 2.5 and a grade of C- or higher is required for ACCT 2010, ECON 2010, ECON 2020, and MGT 2040. Students must also have a Transfer Summary validation completed. Request this from the GSBE Academic Advising Center at WSU.

WESTMINSTER COLLEGE
COMM 1020 is required for graduation. Westminster now offers business B.S. degrees which do not require foreign language. The business B.A. degrees require 2-3 semesters of one foreign language (see advisor). ENGL 2100 is not accepted at Westminster toward the English general education requirement. Minimum GPA of 2.3 is required. The general education diversity (DV) class has to be taken at Westminster. Check with an advisor to see about any SLCC class that might articulate for a DV at Westminster. However none of the DV classes at SLCC will count for this requirement.

Westminster College also offers an online Bachelors of Business Administration degree. Requirements to get into this program are an Associate degree in any subject matter and six years work experience. Contact the SLCC University Center for more information www.slcc.edu/universitycenter/programs/westminster.asp.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Specialized Accreditation: All associate degree business programs at SLCC are accredited by the Accreditation Council for Business Schools and Programs (ACBSP). Accreditation represents the achievement of meeting high national standards established for associate degree granting business programs and facilitates transfer of credits to four year universities and colleges.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1.1 Demonstrate knowledge of local and national laws and our legal system on a level appropriate for a second-year student. 1.2 Demonstrate an understanding of how ethical behavior in business enhances and improves a company's legal standing in our society at a level appropriate for a second-year student. 1.3 Demonstrate advanced quantitative and qualitative methodology for computing and displaying business data on a level appropriate for a second-year student. 1.4 Use appropriate business software and systems to analyze and display business data and performance measures for the purpose of decision making on a level appropriate for a second year student.	1 – Substantive Knowledge
2.1 Validate the ability to communicate effectively by successfully completing MGT core courses. 2.2 Communicate effectively by successfully completing the written portion of homework assignments and exams. 2.3 Communicate effectively while working in groups and teams in the classroom. 2.4 Communicate effectively using credible research data.	2 – Communicate Effectively

3.1 Demonstrate quantitative literacy by successfully completing management quantitative core courses. 3.2 Choose and perform appropriate quantitative analyses 3.3 Use appropriate computer software to perform data analyses and to enhance decision making.	3 – Develop Quantitative Literacy
4.1 Demonstrate critical thinking skills through analysis, synthesis, evaluation, and application in core and elective business courses. 4.2 Extract relevant data from complex information, process it appropriately, and draw reasonable conclusions. 4.3 Collaborate on team case studies and research projects and oral presentations.	4 – Think Critically
5.1 Recognize the ethical considerations that are inherently involved in business. 5.2 Engage in principled dialogue on civic issues in a professional and constructive manner. 5.3 Take a leadership and/or group member role in discussions and projects. 5.4 Connect with local business organizations. 5.5 Work with a local business to conduct research and present a written report and/or appropriate documents for the organization.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) 3-4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1050	College Algebra	4	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score
OR				
MATH 1090	College Alg Bus	3	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1020	Prin Public Speaking	3	A	

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3
Physical Science (PS)	3

NOTE: It is recommended students take:
BUS 1050 as Interdisciplinary (ID) distribution course
ECON 2020 as Social Science (SS) distribution course for University of Utah
PSY 1010 or SOC 1010 as Social Science (SS) distribution course for Utah State University

REQUIRED COURSES

COMPLETE EITHER OPTION 1 OR 2:

OPTION 1

COURSE		CR	SEM	PREREQUISITE
ACCT 1110	Financial Accounting I	3	A	
AND				
ACCT 1120	Financial Accounting II	3	A	ACCT 1110

OR

OPTION 2

COURSE		CR	SEM	PREREQUISITE
ACCT 2010	Survey Financial Accounting	3	A	

NOTE: Students considering a major in Accounting should consider ACCT 1110 and ACCT 1120 for better preparation for subsequent accounting courses. ACCT 1110 alone will not clear the Financial Accounting requirement at 4-year schools.

All Utah 4-year colleges accept ACCT 1110 and ACCT 1120 or ACCT 2010 for Financial Accounting. The additional 3 credit hours required when taking the ACCT 1110 and ACCT 1120 combination are generally applied to Business elective courses at 4-year schools.

COMPLETE ALL OF THE FOLLOWING:

COURSE		CR	SEM	PREREQUISITE
ACCT 2020	Managerial Acct	3	A	ACCT 1110 or ACCT 2010, and CIS 1020 or challenge exam
BUS 1050	Foundations of Bus	3	A	ENGL 1010 (may be taken concurrently)
CIS 2010	Bus Cmp Prof Database	3	A	CIS 1020 or challenge exam
ECON 2010	Microeconomics	3	A	
MGT 2040	Bus Statistics I	4	A	BUS 1050, MATH 1010 or FIN 1380, and CIS 1020

ELECTIVE COURSES: (SELECT 5 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
BUS 1040	Ethics at Work	3	A	
BUS 1100	Calculus for Bus	3	A	MATH 1050 or MATH 1090
BUS 2200	Bus Communications	3	A	ENGL 1010 w/C or better
ECON 2020	Macroeconomics	3	A	
MGT 1100	Small Bus Management	3	A	
MGT 1600	Management Essentials	3	A	
MGT 2020	Entrepreneurship	3	A	BUS 1050, MKTG 1030, and ACCT 1210
MGT 2050	Legal Environ of Bus	3	A	BUS 1050
MGT 2070	Human Resource Mgmt	3	A	BUS 1050
MGT 2080	Employment Law	3	Sp	BUS 1050
MGT 2600	International Trade/Bus	3	A	BUS 1050 or ECON 2020
MGT 2990	Current Topics Mgmt	1	A	Variable, contact department

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
ACCT 1110	3	(ACCT 1120)	(3)
OR		ACCT 2020	3
ACCT 2010	3	ENGL 2010	3
COMM 1020	3	AI	3
ENGL 1010	3	ELEC	3
MATH 1050	4	DISTRIBUTION (2)	6
OR			
MATH 1090	3		
LW	1		
Total	**13-14**	**Total**	**18**

FALL SEMESTER		SPRING SEMESTER	
CIS 2010	3	MGT 2040	4
ECON 2010	3	MGT 2990	1
ELEC	3	ELEC	3
ELEC	3	DISTRIBUTION (3)	9
DISTRIBUTION	3		
Total	**15**	**Total**	**17**

Advising Notes: Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program. Any class in the preparatory skills may be waived if students can demonstrate equivalent skills. It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken.

Additional transfer requirements beyond the AA/AS degrees may be taken at SLCC before transferring to Utah State University, Southern Utah University and Utah Valley University.

BUSINESS MANAGEMENT – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 65 credits minimum

Management, Marketing and Culinary Arts Division
Taylorsville Redwood Campus, BB 234
General Information, (801) 957-4073
Program Information, (801) 957-4483
http://www.slcc.edu/businessmanagement
Academic Advisor, BB 132, (801) 957-4323

Program Faculty:
Professors – Don Gren, Roger Lee, Amar Sahay
Associate Professors – Karen Killinger, Melodee Lambert
Assistant Professors – Basil Chelemes, Edward Engh
Instructors – Don Skousen

Program Description: Business Management includes the study of business theory and principles applied in the many activities of business today, both nationally and worldwide. Emphasis is given to problem solving and decision making to prepare the graduate with decision-making skills for a variety of career areas

The Business Management Department offers a Certificate of Completion and Associate of Applied Science degrees in Business Management, Production Operations and Supply Chain Management, and Small Business Management. These areas are designed to lead to employment as managers, manager-trainees, production planners and schedulers, engineering assistants, inventory control technicians, entrepreneurs, and a variety of other positions.

General Education and elective courses provide training in effective oral and written communication and human relation skills. BUS 1050, BUS 2200, COMM 1010, MGT 2070 and MGT 2500 are taught using group and team activities in the learning process to develop the student's interactive skills and to build human values and ethics.

Students who are interested in pursuing courses leading to a Bachelor's Degree in Business Management areas should follow the courses listed in Business Associate of Science or Business Associate of Arts degrees listed elsewhere in this catalog.

Career Opportunities: Graduates with an AAS in Business Management will have gained the skills and abilities to apply for a variety of jobs including General & Operations Manager, Sales Manager, Business Analyst, Assistant Manager.

Transfer/Articulation Information: This is a 2-year terminal degree not designed to transfer. Several courses are transferable to other institutions. Students should check with a business advisor or the receiving institution to determine credit transferability.

Total Program/Course Fees: Some courses may have lab fees.

Estimated Cost for Students: $150-$200 for textbooks per semester

Estimated Time to Completion: If a student follows the proposed sample schedule outline, time to completion is four semesters.

Specialized Accreditation: Associate degree business programs are accredited by the Association of Collegiate Business Schools and Programs (ACBSP). This accreditation represents the achievement of meeting the high national standards established for associate degree business programs.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
Students will: 1.1 Understand fundamentals of business and the relationship of business to society. 1.2 Demonstrate knowledge of local and national laws. 1.3 Proficiently use technology. 1.4 Perform planning for a small business. 1.5 Demonstrate an understanding of distribution systems. 1.6 Design and analyze production operations and supply chain networks.	1 – Substantive Knowledge

Students will: 2.1 Communicate effectively in writing. 2.2 Communicate effectively verbally. 2.3 Communicate effectively numerically.	2 – Communicate Effectively
Students will: 3.1 Choose and perform appropriate analyses for quantitative and qualitative data.	3 – Develop Quantitative Literacy
Students will: 4.1 Extract relevant data from complex information, process it appropriately, and draw reasonable conclusions.	4 – Think Critically
Students will: 5.1 Understand the ethical considerations that are inherently involved in business. 5.2 Engage in principled dialogue on civic issues involving local business.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
FIN 1380	Financial Math	3	A	MATH 0990 or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
BUS 2200	Bus Communications	3	A	ENGL 1010 w/C grade or better

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE		CR	SEM	PREREQUISITE
MKTG 1960	Prof in Business	3	A	

DISTRIBUTION AREAS: (6 CREDITS)

Choose an additional six credits from at least two of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

NOTE: BUS 1050 fulfills a program course requirement and cannot be used as General Education Interdisciplinary (ID) requirement.

REQUIRED COURSES: (27 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ACCT 2010	Survey Fin Acct	3	A	
ACCT 2020	Managerial Acct	3	A	ACCT 1110 or ACCT 2010, and CIS 1020 or challenge exam
BUS 1050	Foundations of Bus	3	A	ENGL 1010 (may be taken concurrently)
ECON 2020	Macroeconomics	3	A	
MGT1020	Distribution Sys	3	A	
MGT 2020	Entrepreneurship	3	A	BUS 1050, MKTG 1030, ACCT 2020
MGT 2040	Bus Statistics I	4	A	BUS 1050, CIS 1020, and MATH 1010 or FIN 1380
MGT 2050	Legal Env of Bus	3	A	BUS 1050
MGT 2070	Human Resource Mgt	3	A	BUS 1050
MGT 2080	Employment Law	3	Sp	BUS 1050
MGT 2500	Strategic Mgmt Princ	3	Sp	BUS 2200, MGT 2070
MGT 2600	International Trade/Bus	3	A	BUS 1050 or ECON 2020

MGT 2950	Entrepreneur Forum	1	F	
MGT 2960	Entrepreneur Forum	1	F	MGT 2950
MKTG 1030	Intro Marketing	3	A	

ELECTIVE COURSES: (SELECT 6 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
ACCT 2520	Federal Inc Tax	3	F	ACCT 1120 or ACCT 2010
BUS 1040	Ethics at Work	3	F, Sp	
ECON 2100	Labor Econ	3	F, Sp	ECON 2010
ECON 2400	Intl Econ/Finance	3	F	ECON 2010 or ECON 2020 (can be taken concurrently)
FIN 2210	Credit and Collections	2	A	ACCT 1110 or ACCT 2010
MGT 1600	Mgmt Essentials	3	A	
MGT 2000	CO-OP	1-3	TBA	Sophomore standing, 2.0 GPA and related employment
MGT 2350	Bus Statistics II	3	A	MGT 2040, and MATH 1090 or MATH 1050
MGT 2990	Current Topics	1-3	TBA	variable, contact department
FHS 2570	Growth Dev 6-12	3	Sp	
FHS 2645	EC Integrated Curriclm	3	F, Sp	
MATH 1050	College Algebra	4	A	Within the last year MATH 1010 w/C grade of better or appropriate Accuplacer score
	OR			
MATH 1090	College Algebra Bus	3	A	Within the last year MATH 1010 w/C grade of better or appropriate Accuplacer score

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ACCT 2010	3	ACCT 2020	3
BUS 1050	3	ECON 2020	3
ENGL 1010	3	FIN 138	3
MGT 1020	3	MKTG 1030	3
MKTG 1960	3	MGT 2600	3
MKTG 2950	1	DISTRIBUTION	3
Total	**16**	**Total**	**18**
FALL SEMESTER		**SPRING SEMESTER**	
BUS 2200	3	MGT 2050	3
MGT 2020	3	MGT 2080	3
MGT 2040	4	MGT 2500	3
MGT 1070	3	ELEC (2)	6
DISTRIBUTION	3		
Total	**16**	**Total**	**15**

Advising Notes: Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program. The classes designed to assist students in reaching the skill level necessary to enter the certificate and degree programs are computer applications, MATH 0990. Any class in the preparatory skills may be waived for students who can demonstrate equivalent skills.

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before class may be taken. Students who want to challenge the exam are advised to review the information at www.slcc.edu/cis. An 80% or higher is required on each section of the test. Once the exam is passed, a P is posted to the transcript and credit is awarded.

Cooperative Education is SLCC's strategy for recognizing and rewarding new learning associated with student-related employment in a business, industrial or government work environment. Credit earned from MGT 2000 is applied toward graduation requirements as business elective credits. The department strongly recommends that students enhance their employment opportunities through Cooperative Education as soon as skills permit, to complement the certificate or degree. Contact CO-OP Education at (801) 957-4014.

BUSINESS MANAGEMENT: PRODUCTION OPERATIONS AND SUPPLY CHAIN MANAGEMENT EMPHASIS – ASSOCIATE OF APPLIED SCIENCE^{CTE} (AAS) 64 credits minimum

Management, Marketing and Culinary Arts Division
Taylorsville Redwood Campus, BB 234
General Information, (801) 957-4073
Program Information, (801) 957-4483
http://www.slcc.edu/businessmanagement
Academic Advisor, BB 132A, (801) 957-4323

Program Faculty:
Professors – Don Gren, Roger Lee, Amar Sahay
Associate Professors – Karen Killinger, Melodee Lambert
Assistant Professors – Basil Chelemes, Edward Engh
Instructors – Don Skousen

Program Description: The Production Operations and Supply Chain Management program focuses on the production/operations, supply chain design and management, logistics, quality, and lean principles required to produce goods and services. Efficient management of production and service systems requires an understanding of these activities. Recent business globalization, fast response time requirement, short product life cycle, high quality and low cost product and service requirements, investment in supply chain and logistics, removal of non-value added activities (waste reduction), high customer expectations, and technological advancements are changing the ways of conducting businesses. These have also created new challenges. This program provides the students with the necessary background, understanding, and concepts that will help them meet the challenges of today's dynamic business environment and become productive employees or business owners.

The Business Management Department offers a Certificate of Completion and Associate of Applied Science degrees in Business Management, Production Operations and Supply Chain Management, and Small Business Management. These areas are designed to lead to employment as managers, manager-trainees, production planners and schedulers, engineering assistants, inventory control technicians, entrepreneurs, and a variety of other positions.

Students who are interested in pursuing courses leading to a Bachelor's Degree in Business Management areas should follow the courses listed in Business Associate of Science or Business Associate of Arts degrees listed elsewhere in this catalog.

Career Opportunities: Logistician, Operation Research Analyst, Industrial Production Manager

Transfer/Articulation Information: This is a 2-year terminal degree. Several courses are transferable to other institutions. Students should check with the receiving institution to determine credit transferability.

Program Entry Requirements: Computer Essentials is a prerequisite for this program. Students may complete this prerequisite by successfully passing the CIS 1020 challenge exam. Challenge information may be obtained at www.slcc.edu/cis. An 80% or higher is required on each section of the test. Once the exam is passed, a P is posted to the transcript and credit is awarded.

Total Program/Course Fees: $150-$200 for textbooks per semester

Estimated Cost for Students: Computer lab fee may be required for core program courses. These courses use specialized software. The fee will be used to support the software and lab costs.

Estimated Time to Completion: If a student follows the proposed sample schedule outline, completion can be achieved in 4 semesters.

Specialized Accreditation: Associate degree business programs are accredited by the Association of Collegiate Business Schools and Programs (ACBSP). This accreditation represents the achievement of meeting the high national standards established for associate degree business programs.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
Students will: 1.1 Understand fundamentals of business and the relationship of business to society. 1.2 Demonstrate knowledge of local and national laws. 1.3 Proficiently use technology. 1.4 Perform planning for a small business. 1.5 Demonstrate an understanding of distribution systems. 1.6 Design and analyze production operations and supply chain networks.	1 – Substantive Knowledge
Students will: 2.1 Communicate effectively in writing. 2.2 Communicate effectively verbally. 2.3 Communicate effectively numerically.	2 – Communicate Effectively
Students will: 3.1 Choose and perform appropriate analyses for quantitative and qualitative data.	3 – Develop Quantitative Literacy
Students will: 4.1 Extract relevant data from complex information, process it appropriately, and draw reasonable conclusions.	4 – Think Critically
Students will: 5.1 Understand the ethical considerations that are inherently involved in business. 5.2 Engage in principled dialogue on civic issues involving local business.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1050	College Algebra	4	A	RDG 0990; within the last year MATH 0990 w/C grade or better or appropriate Acuuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
BUS 2200	Business Communication	3	A	ENGL 1010 w/C grade or better

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE		CR	SEM	PREREQUISITE
MKTG 1960	Professionalism in Business	3	A	

DISTRIBUTION AREAS: (6 CREDITS)

Choose an additional six credits from at least two of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

NOTE: BUS 1050 fulfills and program course requirement and cannot be taken as a General Education Interdisciplinary (ID) Distribution course.

REQUIRED COURSES: (40 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ACCT 2010	Survey Financial Acct	3	A	
ACCT 2020	Managerial Acct	3	A	ACCT 1110 or ACCT 2010, and CIS 1020 or challenge exam
BUS 1050	Foundations of Business	3	A	ENGL 1010 (may be taken concurrently)
BUS 1100	Applied Business Calculus	3	A	MATH 1050 or MATH 1090
CIS 2410	Advanced Spreadsheet App	3	Sp	CIS 1020 or challenge exam
MGT 2040	Bus Statistics I	4	A	BUS 1050, CIS 1020, and MATH 1010 or FIN 1380
MGT 2050	Legal Environment of Bus	3	A	BUS 1050
MGT 2350	Bus Statistics II	3	A	MGT 2040, and MATH 1090 or MATH 1050
MGT 2700	Prod/Oper Mgmt	3	F	MGT 2340, MGT 2350, and MATH 1050 or MATH 1090
MGT 2710	Quality Control/Six Sig	3	F	MGT 2340, MGT 2350
MGT 2720	Supply Chain Des/Mgmt	3	Sp	MGT 2700
MGT 2730	Lean Production	3	Sp	MGT 2700, MGT 2710
MGT 2740	Logistics & E-Bus	3	Sp	MGT 2700, MGT 2720

ELECTIVE COURSES: (SELECT 6 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
MGT 1040	Business Ethics	3	F, Sp	
MGT 2000	CO-OP	1-3	TBA	Sophomore standing, 2.0 GPA and related employment
MGT 2990	Current Topics	1-3	TBA	variable, contact department

NOTE: Elective courses should relate to operations and supply chain management. Suggested topics are Production/Operations Planning and Control, Project Management, Distribution Systems, Inventory Management, Economic Analysis, Work Design and Measurement, Management of Automated Manufacturing System, Introduction to Enterprise Resource Planning (ERP).

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
BUS 2200	3	BUS 1050	3
ENGL 1010	3	MATH 1050/1090	4-3
MKTG 1960	3	MGT 1090	3
DISTRIBUTION (2)	6	MGT 2040	4
		MGT 2050	3
		CIS 2410	3
Total	**15**	**Total**	**16-17**
FALL SEMESTER		**SPRING SEMESTER**	
ACCT 2010	3	ACCT 2020	3
BUS 1100	3	MGT 2720	3
MGT 2350	3	MGT 2730	3
MGT 2700	3	MGT 2740	3
MGT 2710	3	ELEC	6
Total	**15**	**Total**	**18**

Advising Notes: Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program. The classes designed to assist students in reaching the skill level necessary to enter the certificate and degree programs are computer applications, MATH 0990. Any class in the preparatory skills may be waived for students who can demonstrate equivalent skills.

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before class may be taken.

BUSINESS MANAGEMENT: SMALL BUSINESS OWNERSHIP EMPHASIS – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 66 credits minimum

Management, Marketing and Culinary Arts Division
Taylorsville Redwood Campus, BB 234
General Information, (801) 957-4073
Program Information, (801) 957-4483
http://www.slcc.edu/businessmanagement
Academic Advisor, BB 132A, (801) 957-4323

Program Faculty:
Professors – Don Gren, Roger Lee, Amar Sahay
Associate Professors – Karen Killinger, Melodee Lambert
Assistant Professors – Basil Chelemes, Edward Engh
Instructors – Don Skousen

Program Description: he Business Management Department offers a Certificate of Completion and Associate of Applied Science degrees in Business Management, Production Operations and Supply Chain Management, and Small Business Management. These areas are designed to lead to employment as managers, manager-trainees, production planners and schedulers, engineering assistants, inventory control technicians, entrepreneurs, and a variety of other positions.

Students who are interested in pursuing courses leading to a Bachelor's Degree in Business Management areas should follow the courses listed in Business Associate of Science or Business Associate of Arts degrees listed elsewhere in this catalog.

Career Opportunities: Small business owner, entrepreneur, start-up specialist / consultant

Transfer/Articulation Information: This is a 2-year terminal degree. Several courses are transferable to other institutions. Students should check with the receiving institution to determine credit transferability.

Total Program/Course Fees: Some classes may have lab fees

Estimated Cost for Students: $100-$150 for textbooks per semester

Estimated Time to Completion: If a student follows the proposed sample schedule outline, course completion can be achieved in 4 semesters.

Specialized Accreditation: Associate degree business programs are accredited by the Association of Collegiate Business Schools and Programs (ACBSP). This accreditation represents the achievement of meeting the high national standards established for associate degree business programs.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
Students will: 1.1 Understand fundamentals of business and the relationship of business to society. 1.2 Demonstrate knowledge of local and national laws. 1.3 Proficiently use technology. 1.4 Perform planning for a small business. 1.5 Demonstrate an understanding of distribution systems. 1.6 Design and analyze production operations and supply chain networks.	1 – Substantive Knowledge
Students will: 2.1 Communicate effectively in writing. 2.2 Communicate effectively verbally. 2.3 Communicate effectively numerically.	2 – Communicate Effectively
Students will: 3.1 Choose and perform appropriate analyses for quantitative and qualitative data.	3 – Develop Quantitative Literacy

Students will: 4.1 Extract relevant data from complex information, process it appropriately, and draw reasonable conclusions.	4 – Think Critically
Students will: 5.1 Understand the ethical considerations that are inherently involved in business. 5.2 Engage in principled dialogue on civic issues involving local business.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
FIN 1380	Financial Math	3	A	MATH 0990 w/C grade or better or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
BUS 2200	Business Communication	3	A	ENGL 1010 w/C grade or better

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE		CR	SEM	PREREQUISITE
MKTG 1960	Professionalism in Business	3	A	

DISTRIBUTION AREAS: (6 CREDITS)

Choose an additional six credits from at least two of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

NOTE: BUS 1050 and FIN 1050 fulfill program course requirements and cannot be taken as a General Education courses.

REQUIRED COURSES: (40 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ACCT 2010	Survey Fin Acct	3	A	
ACCT 2020	Managerial Acct	3	A	ACCT 1110 or ACCT 2010, and CIS 1020 or challenge exam
BUS 1050	Foundations of Bus	3	A	ENGL 1010 (may be taken concurrently)
ECON 2010	Microeconomics	3	A	
FIN 2040	Financial Management	3	Sp	ACCT 2020
FIN 2210	Credit and Collections	3	A	ACCT 1110 or ACCT 1220
MGT 1020	Distribution Sys	3	A	
MGT 2020	Entrepreneurship	3	A	BUS 1050, MKTG 1030, ACCT 2020
MGT 2040	Bus Statistics I	4	A	BUS 1050, CIS 1020, and MATH 1010 or FIN 1380
MGT 2050	Legal Environment of Bus	3	A	BUS 1050
MGT 2070	Human Resource Mgmt	3	F	BUS 1050
MGT 2080	Employment Law	3	Sp	BUS 1050
MKTG 1010	Customer Service Tech	2	A	
MKTG 1030	Intro Marketing	3	A	
MKTG 1480	Sales	3	Sp	

ELECTIVE COURSES: (SELECT 4 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
FIN 1050	Personal Finance	3	A	
FIN 2950	Executive Lectures	1	Sp	
LE 1220	Human Relat - Career Dev	3	A	
MGT 1040	Business Ethics	3	F, Sp	
MGT 1600	Management Essentials	3	A	
MGT 2000	Bus Management CO-OP	1-3	TBA	Sophomore standing, 2.0 GPA and related employment
MGT 2600	International Trade & Bus	3	Sp	BUS 1050 or ECON 2020
MGT 2950	Entrepreneur Forum	1	F	
MGT 2960	Entrepreneur Forum	1	F	MGT 2950
MGT 2990	Current Topics	1	TBA	variable, contact department
MKTG 1070	Promotion	3	F	
MKTG 1300	Bus Presentations	2	F	

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
ACCT 2010	3	ACCT 2020	3
MKTG 1010	2	BUS 1050	3
ECON 2010	3	BUS 2200	3
ENGL 1010	3	MGT 1020	3
FIN 1380	3	MKTG 1960	3
MKTG 1030	3		
Total	**17**	**Total**	**15**

FALL SEMESTER		SPRING SEMESTER	
FIN 2210	2	FIN 2040	3
MGT 2070	3	MGT 2040	4
MGT 2020	3	MKTG 2080	3
MGT 2050	3	MKTG 1480	3
DISTRIBUTION	3	DISTRIBUTION	3
ELEC	2	ELEC	2
Total	**16**	**Total**	**18**

Advising Notes: Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program. The classes designed to assist students in reaching the skill level necessary to enter the certificate and degree programs are computer applications, MATH 0990. Any class in the preparatory skills may be waived for students who can demonstrate equivalent skills.

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before class may be taken.

BUSINESS MANAGEMENT – CERTIFICATE OF COMPLETION[CTE] 33 credits minimum

Management, Marketing and Culinary Arts Division
Taylorsville Redwood Campus, BB 234
General Information, (801) 957-4073
Program Information, (801) 957-4483
http://www.slcc.edu/businessmanagement
Academic Advisor, BB 132A, (801) 957-4323

Program Faculty:
Professors – Don Gren, Roger Lee, Amar Sahay
Associate Professors – Karen Killinger, Melodee Lambert
Assistant Professors – Basil Chelemes, Edward Engh
Instructors – Don Skousen

Program Description: Business Management includes the study of business theory and principles applied in the many activities of business today, both nationally and worldwide. Emphasis is given to problem solving and decision making to prepare the graduate with decision-making skills for a variety of career areas.

This program is a one-year course of study surveying essentials of business management to include the study of business theory and principles which are important in both a national and global perspective.

Students who are interested in pursuing courses leading to a Bachelor's Degree in Business Management areas should follow the courses listed in Business Associate of Science or Business Associate of Arts degrees listed elsewhere in this catalog.

Career Opportunities: Asst. Manager, Retail Manager, Office Manager, Bank Teller

Total Program/Course Fees: Some classes may have lab fees

Estimated Cost for Students: $100-$150 for textbooks per semester

Estimated Time to Completion: If a student follows the proposed sample schedule outline, completion can be achieved in 2 semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
Students will: 1.1 Understand fundamentals of business and the relationship of business to society. 1.2 Demonstrate knowledge of local and national laws. 1.3 Proficiently use technology. 1.4 Perform planning for a small business. 1.5 Demonstrate an understanding of distribution systems. 1.6 Design and analyze production operations and supply chain networks.	1 – Substantive Knowledge
Students will: 2.1 Communicate effectively in writing. 2.2 Communicate effectively verbally. 2.3 Communicate effectively numerically.	2 – Communicate Effectively
Students will: 3.1 Choose and perform appropriate analyses for quantitative and qualitative data.	3 – Develop Quantitative Literacy
Students will: 4.1 Extract relevant data from complex information, process it appropriately, and draw reasonable conclusions.	4 – Think Critically
Students will: 5.1 Understand the ethical considerations that are inherently involved in business. 5.2 Engage in principled dialogue on civic issues involving local business.	5 – Civic Engagement and/or Working Professionally

REQUIRED COURSES: (30 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ACCT 2010	Survey Fin Acct	3	A	
ACCT 2020	Managerial Acct	3	A	ACCT 1110 or ACCT 2010, and CIS 1020 or challenge exam
BUS 1050	Foundations of Bus	3	A	ENGL 1010 (may be taken concurrently)
BUS 2200	Bus Communications	3	A	ENGL 1010 w/C grade or better
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
FIN 1380	Financial Math	3	A	MATH 0990 or appropriate Accuplacer score
MGT1020	Distribution Sys	3	A	
MGT 2070	Human Resource Mgt	3	A	BUS 1050
MKTG 1030	Intro Marketing	3	A	
MKTG 1960	Prof in Business	3	A	

ELECTIVE COURSES: (SELECT 3 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
ACCT 2520	Federal Inc Tax	3	F	ACCT 1120 or ACCT 2010
ECON 2100	Labor Econ	3	F, Sp	ECON 2010
ECON 2400	Intl Econ/Finance	3	F	ECON 2010 or ECON 2020 (can be taken concurrently)
FIN 2210	Credit and Collections	2	A	ACCT 1110 or ACCT 2010
FIN 2950	Executive Lectures I	1	Sp	
MGT 1600	Mgmt Essentials	3	A	
MGT 2000	CO-OP	1-3	TBA	Sophomore standing, 2.0 GPA and related employment
MGT 2040	Bus Statistics I	4	A	BUS 1050, CIS 1020, and MATH 1010 or FIN 1380
MGT 2350	Bus Statistics II	3	A	MGT 2040, and MATH 1090 or MATH 1050
MGT 2990	Current Topics	1-3	TBA	variable, contact department
MATH 1050	College Algebra	4	A	Within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score
	OR			
MATH 1090	College Algebra Business	3	A	Within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ACCT 2010	3	ACCT 2020	3
BUS 1050	3	BUS 2200	3
ENGL 1010	3	MGT 1020	3
FIN 1380	3	MGT 2070	3
MKTG 1030	3	MKTG 1960	3
		ELEC	3
Total	**15**	**Total**	**18**

Advising Notes: Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program. The classes designed to assist students in reaching the skill level necessary to enter the certificate and degree programs are computer applications, MATH 0990. Any class in the preparatory skills may be waived for students who can demonstrate equivalent skills.

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before class may be taken.

RETAIL MANAGEMENT – CERTIFICATE OF COMPLETION[CTE] 30 credits minimum

Management, Marketing and Culinary Arts Division
Taylorsville Redwood Campus, BB 234
General Information, (801) 957-4073
Program Information, (801) 957-4483
http://www.slcc.edu/businessmanagement
Academic Advisor, BB 132A, (801) 957-4323

Program Faculty:
Faculty members represent the following areas: Accounting, Business Communication, Business Management, Computer Information Systems, Computer Science, Culinary Arts, Economics, Finance and Credit and Marketing.

Program Description: The Retail Management Certificate program is designed to prepare new and returning students for advancement in retail sales. Although originally intended to serve only the retail food environment the program is structured so as to serve a much broader retail segment and be effective in developing future talent to fill the void created by retirement. This program is a gateway program intended to introduce a workforce population that traditionally hasn't embraced collegiate work to higher education.

Student will develop basic educational knowledge and technical skills in the following key areas: written and oral business communication, business mathematics, bookkeeping/accounting, computer applications, management and marketing, human resources, human relations and leadership, retail management and merchandising.

Career Opportunities: Student completing the Retail Management Certificate will either already be working in, or begin to work in a retail environment that will boost their career and earning potential.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is two semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
Communicate effectively, written and oral	
Analyze basic budgets and profit & loss statements	
Use current industry standard software	
Fundamental knowledge of organizational behavior and human resources basics	
Understand business side of retail sales and customer relations	

REQUIRED COURSES: (30 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ACCT 2010	Survey Financial Acct	3	A	ACCT 2010
BUS 2200	Bus Communication	3	A	ENGL 1010 w/C grade or better
CIS 1020	Computer Essentials	3	A	CIS 1020
COMM 1020	Princples Public Speaking	3	A	
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
MKTG 1030	Intro Marketing	3	A	
MKTG 1960	Professionalism in Business	3	A	
MKTG 2350	Bus Consumer Mktg	3	A	MKTG 1030
MGT 1600	Management Essentials	3	A	
FIN 1380	Financial Math	3	A	MATH 0990 or appropriate Accuplacer score
OR				
MATH 1010	Intermediate Algebra	4	A	RDG 0990; within last year MATH 0990 w/C grade or better or appropriate Accuplacer score
OR				
MATH 1090	College Algebra Business	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ENGL 1010	3	ACCT 2010	3
MATH 1090	3	MGT 1600	3
CIS 1020	3	MKTG 1960	3
COMM 1020	3	BUS 2200	3
MKTG 1030	3	MKTG 2350	3
Total	**15**	**Total**	**15**

Advising Notes: Western Association of Food Chains (WAFC) approached SLCC as the only Utah institution to deliver this Retail Management Certificate.

MOTION GRAPHICS AND VISUAL EFFECTS – CERTIFICATE OF PROFICIENCY[CTE] 28 credits minimum

Visual Art & Design Division
South City Campus, SC N281
General Information, (801) 957-4073
Program Information, (801) 957-4325
http://www.slcc.edu/visualart
Academic Advisor, Cindy Clark, SC W138, (801) 957-3361

Program Faculty:
ADAMSON, Rob – *Professor,* BFA Drawing & Painting, MFA Drawing & Painting
BUDD, Brent – Associate Professor, BFA University of Utah
CHAMBERS, Sheila – *Professor,* BA Communications, MFA Illustration
CURRAN, Jessica – *Instructor*,
EREKSON, J. Chad – *Assistant Professor,* BFA Animation
GRAHAM, Rick – *Professor,* BFA Drawing & Painting, MFA Drawing & Painting
GRUENDELL, Lana – *Professor,* AAS Graphic Design, BFA Drawing & Painting, MEd Educational Technology
GONZALES, Kerry – *Associate Professor,* BFA Graphic Design
HYANS, Whitney King – *Associate Professor,* BS Photography, BFA Photography, MFA Photography
MARTIN, Terry – *Assistant Professor,* CERT Photography, AAS / AA General & Photography, BFA Equivalent Photography
REILAND, Neal – *Associate Professor,* BA Business Administration Marketing / Advertising
ROSENBERGER, Ed – *Assistant Professor,* BFA Photography
WILSON, Andrew – *Instructor,* BA Business Administration Visual Technology / Internet Emphasis, MBA Business Administration

NOTE: This program is pending approval by the Utah State Board of Regents. Students may apply for graduation in this program beginning Fall Semester 2012.

Program Description: Students who elect to pursue a Certificate of Completion Motion Graphics & Visual Effects will prepare themselves to for entry level work in a related profession. Motion Graphics & Visual Effects technical artists find varied careers in the creation of digital 2D and 3D art and animation in the video game, film, broadcast, visual effects, mobile, and internet industries. Students will work to develop foundation drawing and design skills, apply animation principles in time based visualizations, and illustrate a working knowledge of quality visual storytelling. Students should choose electives and projects carefully to develop a working competency of both the arts and technologies involved in at least one specific area of the discipline. The certificate of completion is very technically rigorous and drawing intensive. It requires careful scheduling of classes to complete the program in the recommended times.

Career Opportunities: Upon completion of program, students may qualify for work as assistants or junior technical artists in various media fields using motion graphics or post production visual effects.

Estimated Cost for Students: In addition to tuition and fees, and depending on chosen electives, animation students may expect to pay an estimated $500 for books and supplies needed for class projects and portfolio development in this program.

NOTE: This Certificate of Proficiency is **not** eligible for financial aid. However, courses within the certificate may be eligible if taken as part of a financial aid eligible program. Please check with the Financial Aid Office to determine if your classes are eligible.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is three semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
Demonstrate a competent application of foundation drawing and design skills.	1,2,4

Demonstrate a competent application of animation principles in a time based visualization.	1,2,3,4,
Illustrate a working knowledge of quality visual storytelling.	1,2,4,5
Engage in collaborative production development practices and interdisciplinary experiences.	1,2,4,5
Exhibit a working competency of both the arts and technologies involved in at least one specific area of the discipline.	1,2,4

REQUIRED COURSES: (20 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ART 1110	Foundation I Drawing	4	F, Sp	
ART 1120	Design	3	A	
ART 1620	Intro to Animation	2	F	
ART 1660	Storyboarding	3	Sp	ART 1110, ART 1620
ART 1800	Digital Media Essentls	4	A	
ART 1850	Portfolio/Career Prep	2	F, Sp	Two 2000 level courses in School of Arts Communications & New Media
ART 2470	Digital Video Prod	2	F, Sp	ART 1800

SPECIALIZATION: (COMPLETE 3 COURSES FROM ONE OF THE FOLLOWING TRACKS)

MOTION GRAPHICS

COURSE		CR	SEM	PREREQUISITE
ART 1200	InDesign Software	3	A	
ART 1230	Typography & Layout	3	A	ART 1200 and ART 1120; Coreq: ART 1200 and/or ART 1120
ART 2620	Motion Graphics	2	F	ART 1620 and ART 1230

VISUAL EFFECTS

COURSE		CR	SEM	PREREQUISITE
ART 2630	Intro to 3D Modeling	3	F, Sp	ART 1800 or instructor approval
ART 2640	Intro to 3D Animation	3	F, Sp	ART 2630 and ART 1620, or instructor approval
ART 2660	Visual Effects & Comp	3	F	ART 2640

MOTION GRAPHICS & VISUAL EFFECTS RECOMMENDED SEQUENCE

SAMPLE SCHEDULE			
1st SEMESTER – FALL		**2nd SEMESTER – SPRING**	
ART 1110	4	ART 2470	2
ART 1620	2	ART 1120	3
ART 1800	4	ART 1660	3
ART 2630/1200	3	ART 2640/1230	3
Total	**13**	**Total**	**11**
3rd SEMESTER – FALL			
ART 1850	2		
ART 2660/2620	3/2		
Total	**4-5**		

CHEMISTRY – ASSOCIATE OF SCIENCE (AS) 66 credits minimum

Division of Natural Sciences
Taylorsville Redwood Campus, SI 341, (801) 957-4944
General Information, (801) 957-4073
http://www.slcc.edu/chemistry
Academic Advising, SI 209, (801) 957-4858

Program Faculty:
Professor - Neil Bastion
Assistant Professors - Luther Gidding, Ron Valcarce

Program Description: The Chemistry Department offers a program leading to an Associate of Science degree. Required courses and laboratory instruction in this program provides the student the first two years of chemistry and related courses required for admission to baccalaureate major programs. Program also provides a solid foundation in chemistry necessary for admission to professional programs and for employment in chemistry-related areas.

Chemistry is also a discipline essential to training for many pre-professional fields as well as health sciences. All classes are transferable to other schools in the state system of higher education and most other universities and colleges.

Chemistry classes are offered at four levels:
1. General one-semester survey class; fulfills General Education requirements for non-technical students;
2. A two-semester health science series of inorganic, organic and biochemistry;
3. A two-semester series of pre-engineering/pre-professional general inorganic chemistry;
4. A two-semester series of organic chemistry.

Transfer/Articulation Information: Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students will: a. demonstrate knowledge of basic chemical concepts such as IUPAC nomenclature of small inorganic compounds, balancing chemical equations, stoichiometry, states of matter and changes of state, gas chemistry, atomic and molecular structure, chemical bonding, thermodynamics, equilibrium, kinetics, and electrochemistry. b. demonstrate recall and understanding of fundamental concepts, exhibit quantitative problem solving skills, correctly interpret provided data, and apply mathematical skills.	
2. Students will: a. demonstrate knowledge of families of organic compounds including saturated and unsaturated hydrocarbons, aromatic compounds, alcohols, ethers, carbonyl compounds, and amines. b. demonstrate an understanding of stereochemistry. c. evaluate and interpret spectroscopic data as it pertains to the study of organic compounds.	

d. demonstrate the ability to correctly apply the rules of IUPAC nomenclature, correlate relationships between the physical properties and chemical reactivities of organic compounds with molecular structure and intermolecular forces, and predict the outcomes of organic reactions.	
3. Students will: a. demonstrate competence in basic laboratory skills including laboratory safety and hazardous waste disposal, safe handling and manipulation of chemicals, keeping a laboratory notebook, observation of physical and chemical properties, data analysis, and basic report writing. b. demonstrate the ability to make chemical measurements using electronic balances and volumetric glassware and fundamental chemical instrumentation such as pH meters and UV/vis spectrophotometers, and to correctly record and interpret the data. c. demonstrate the ability to make chemical measurements using advanced chemical instrumentation such as FTIR and GC/MS, and to correctly record and interpret the data. d. learn to collaborate with others in the design of chemical experiments, data collection and analysis, and report writing.	
4. Students will: a. participate in the design and implementation of advanced chemical research. b. demonstrate a familiarity with chemical literature c. work collaboratively in data collection, analysis, and report writing. d. present the results of their research at a national meeting of the American Chemical Society and/or publish their results in a recognized peer-reviewed journal.	

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better
OR				
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1210	Calculus I	4	A	Within the last year, MATH 1060 or MATH 1080 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4

Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3

NOTE: Physical Science (PS) general education component is satisfied through pre-major coursework.

REQUIRED COURSES: (34 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CHEM 1210	Gen Chem I	4	F,Sp	Math 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1215	Gen Chem Lab I	1	F,Sp	Math 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1220	Gen Chem II	4	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1225
CHEM 1225	Gen Chem Lab II	1	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1220
CHEM 2310	Organic Chem I	4	F,Sp	CHEM 1220 w/C grade or better. Recommended coreq: CHEM 2315
CHEM 2315	Organic Chem Lab I	1	F,Sp	CHEM 1220 w/C grade or better. Recommended coreq: CHEM 2310
CHEM 2320	Organic Chem II	4	Sp,Su	CHEM 2310 w/C grade or better. Recommended coreq: CHEM 2325
CHEM 2325	Organic Chem Lab II	1	Sp,Su	CHEM 2310 w/C grade or better. Recommended coreq: CHEM 2320
MATH 1220	Calculus II	4	A	Within the last year Math 1210 w/C grade or better
Complete ONE of the Physics sequences:				
PHYS 2010	College Physics I	4	A	MATH 1060 or 1080. Recommended coreq: PHYS 2015
PHYS 2015	College Physics Lab I	1	A	MATH 1060 or 1080. Recommended coreq: PHYS 2010
PHYS 2020	College Physics II	4	A	PHYS 2010. Recommended coreq: PHYS 2025
PHYS 2025	College Physics Lab II	1	A	PHYS 2010. Recommended coreq: PHYS 2020
OR				
*PHYS 2210	Physics Sci & Eng I	4	A	MATH 1210. Recommended coreq: PHYS 2215
*PHYS 2215	Physics Sci & Eng Lab I	1	A	MATH 1210. Recommended coreq: PHYS 2210
*PHYS 2220	Physics Sci & Eng II	4	A	PHYS 2210 and MATH 1220. Recommended coreq: PHYS 2225
*PHYS 2225	Physics Sci & Eng Lab II	1	A	PHYS 2210 and MATH 1220. Recommended coreq: PHYS 2220

*Complete this sequence for U of U Chemistry major

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
CHEM 1210	4	CHEM 1220	4
CHEM 1215	1	CHEM 1225	1
ENGL 1010	3	ENGL 2010/2100	3
MATH 1210	4	MATH 1220	4
LW	1	AI	3
STUDENT CHOICE	3		
Total	**16**	**Total**	**15**

FALL SEMESTER		SPRING SEMESTER	
CHEM 2310	4	CHEM 2320	4
CHEM 2315	1	CHEM 2325	1
PHYS I LECTURE	4	PHYS II LECTURE	4
PHYS I LAB	1	PHYS II LAB	1
DISTRIBUTION (2)	6	DISTRIBUTION (3)	9
Total	**16**	**Total**	**19**

Advising Notes: Students who need to take preparatory classes to meet the requirements of first-semester courses should plan on extra time to complete the program. For students majoring in chemistry, Calculus I is considered the entry-level math class.

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken.

The semesters in which courses are taught are listed below. Students should check the semester class schedule for day/evening availability and modifications caused by varying enrollment.

DEPARTMENTAL OFFERINGS

COURSE		CR	SEM	PREREQUISITE
CHEM 1010	Intro Chemistry	3	A	
CHEM 1100	Prep Chemistry	3	A	
CHEM 1110	Elem Chemistry	4	A	MATH 1010 or appropriate Accuplacer score (MATH 1020 for Nursing). Recommended Coreq: CHEM 1115
CHEM 1115	Elem Chem Lab	1	A	MATH 1010 or appropriate Accuplacer score (MATH 1020 for Nursing). Recommended Coreq: CHEM 1110
CHEM 1120	Elem Bioorg	4	A	CHEM 1110. Recommended Coreq: CHEM 1125
CHEM 1125	Elem Bioorg Chem Lb	1	A	CHEM 1110. Recommended Coreq: CHEM 1120
CHEM 1210	Gen Chem I	4	F,Sp	Math 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1215	Gen Chem Lab I	1	F,Sp	Math 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1220	Gen Chem II	4	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1225
CHEM 1225	Gen Chem Lab II	1	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1220
CHEM 2000	Chemistry CO-OP	2-4	A	Departmental approval
CHEM 2310	Organic Chem I	4	F,Sp	CHEM 1220 w/C grade or better. Recommended coreq: CHEM 2315
CHEM 2315	Organic Chem Lab I	1	F,Sp	CHEM 1220 w/C grade or better. Recommended coreq: CHEM 2310
CHEM 2320	Organic Chem II	4	Sp,Su	CHEM 2310 w/C grade or better. Recommended coreq: CHEM 2325
CHEM 2325	Organic Chem Lab II	1	Sp,Su	CHEM 2310 w/C grade or better. Recommended coreq: CHEM 2320

CHEMISTRY/PHYSICAL SCIENCE – ASSOCIATE OF SCIENCE (AS) 64 credits minimum

Division of Natural Sciences
Taylorsville Redwood Campus, SI 341, (801) 957-4944
General Information, (801) 957-4073
http://www.slcc.edu/chemistry
Academic Advising, SI 209, (801) 957-4858

Program Faculty:
Professor - Neil Bastion
Assistant Professors - Luther Gidding, Ron Valcarce

Program Description: The Chemistry Department offers a program leading to an Associate of Science degree. Required courses and laboratory instruction in this program provides the student the first two years of chemistry and related courses required for admission to baccalaureate major programs. Program also provides a solid foundation in chemistry necessary for admission to professional programs and for employment in chemistry-related areas.

Chemistry is also a discipline essential to training for many pre-professional fields as well as health sciences. All classes are transferable to other schools in the state system of higher education and most other universities and colleges.

Chemistry classes are offered at four levels:
1. General one-semester survey class; fulfills General Education requirements for non-technical students;
2. A two-semester health science series of inorganic, organic and biochemistry;
3. A two-semester series of pre-engineering/pre-professional general inorganic chemistry;
4. A two-semester series of organic chemistry.

Transfer/Articulation Information: Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students will: a. demonstrate knowledge of basic chemical concepts such as IUPAC nomenclature of small inorganic compounds, balancing chemical equations, stoichiometry, states of matter and changes of state, gas chemistry, atomic and molecular structure, chemical bonding, thermodynamics, equilibrium, kinetics, and electrochemistry. b. demonstrate recall and understanding of fundamental concepts, exhibit quantitative problem solving skills, correctly interpret provided data, and apply mathematical skills.	
2. Students will: a. demonstrate knowledge of families of organic compounds including saturated and unsaturated hydrocarbons, aromatic compounds, alcohols, ethers, carbonyl compounds, and amines. b. demonstrate an understanding of stereochemistry. c. evaluate and interpret spectroscopic data as it pertains to the study of organic compounds. d. demonstrate the ability to correctly apply the rules of IUPAC nomenclature, correlate relationships between the physical properties and	

chemical reactivities of organic compounds with molecular structure and intermolecular forces, and predict the outcomes of organic reactions.	
3. Students will: a. demonstrate competence in basic laboratory skills including laboratory safety and hazardous waste disposal, safe handling and manipulation of chemicals, keeping a laboratory notebook, observation of physical and chemical properties, data analysis, and basic report writing. b. demonstrate the ability to make chemical measurements using electronic balances and volumetric glassware and fundamental chemical instrumentation such as pH meters and UV/vis spectrophotometers, and to correctly record and interpret the data. c. demonstrate the ability to make chemical measurements using advanced chemical instrumentation such as FTIR and GC/MS, and to correctly record and interpret the data. d. learn to collaborate with others in the design of chemical experiments, data collection and analysis, and report writing.	
4. Students will: a. participate in the design and implementation of advanced chemical research. b. demonstrate a familiarity with chemical literature c. work collaboratively in data collection, analysis, and report writing. d. present the results of their research at a national meeting of the American Chemical Society and/or publish their results in a recognized peer-reviewed journal.	

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1210	Calculus I	4	A	Within the last year, MATH 1060 or MATH 1080 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (29 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CHEM 1210	Gen Chem I	4	F,Sp	Math 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1215	Gen Chem Lab I	1	F,Sp	Math 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1220	Gen Chem II	4	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1225
CHEM 1225	Gen Chem Lab II	1	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1220
CHEM 2310	Organic Chem I	4	F,Sp	CHEM 1220 w/C grade or better. Recommended coreq: CHEM 2315
CHEM 2315	Organic Chem Lab I	1	F,Sp	CHEM 1220 w/C grade or better. Recommended coreq: CHEM 2310
CHEM 2320	Organic Chem II	4	Sp,Su	CHEM 2310 w/C grade or better. Recommended coreq: CHEM 2325
CHEM 2325	Organic Chem Lab II	1	Sp,Su	CHEM 2310 w/C grade or better. Recommended coreq: CHEM 2320
MATH 1220	Calculus II	4	A	Within the last year Math 1210 w/C grade or better
COMPLETE ONE OF THE PHYSICS:				
PHYS 2010	College Physics I	4	A	MATH 1060 or 1080. Recommended coreq: PHYS 2015
PHYS 2015	College Physics Lab I	1	A	MATH 1060 or 1080. Recommended coreq: PHYS 2010
OR				
PHYS 2210	Physics Sci & Engr I	4	A	MATH 1210. Recommended coreq: PHYS 2215
PHYS 2215	Physics Sci & Engr Lab I	1	A	MATH 1210. Recommended coreq: PHYS 2210

SAMPLE SCHEDULE

FALL SEMESTER		**SPRING SEMESTER**	
CHEM 1210	4	CHEM 1220	4
CHEM 1215	1	CHEM 1225	1
ENGL 1010	3	ENGL 2010	3
MATH 1210	4	MATH 1220	4
STUDENT CHOICE	3	AI	3
LW	1		
Total	**16**	**Total**	**15**

FALL SEMESTER		**SPRING SEMESTER**	
CHEM 2310	4	CHEM 2320	4
CHEM 2315	1	CHEM 2325	1
PHYS 2010	4	DISTRIBUTION (4)	12
PHYS 2015	1		
DISTRIBUTION (2)	6		
Total	**16**	**Total**	**17**

Advising Notes: Students who need to take preparatory classes to meet the requirements of first-semester courses should plan on extra time to complete the program. For students majoring in chemistry, Calculus I is considered the entry-level math class.

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken.

Semesters in which courses are taught are listed below. Students should check the semester class schedule for day/evening availability and modifications caused by varying enrollment.

DEPARTMENTAL OFFERINGS

COURSE		CR	SEM	PREREQUISITE
CHEM 1010	Intro Chemistry	3	A	
CHEM 1100	Prep Chemistry	3	A	
CHEM 1110	Elem Chemistry	4	A	MATH 1010 or appropriate Accuplacer score (MATH 1020 for

				Nursing). Recommended Coreq: CHEM 1115
CHEM 1115	Elem Chem Lab	1	A	MATH 1010 or appropriate Accuplacer score (MATH 1020 for Nursing). Recommended Coreq: CHEM 1110
CHEM 1120	Elem Bioorg	4	A	CHEM 1110. Recommended Coreq: CHEM 1125
CHEM 1125	Elem Bioorg Chem Lb	1	A	CHEM 1110. Recommended Coreq: CHEM 1120
CHEM 1210	Gen Chem I	4	F,Sp	Math 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1215	Gen Chem Lab I	1	F,Sp	Math 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1220	Gen Chem II	4	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1225
CHEM 1225	Gen Chem Lab II	1	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1220
CHEM 2000	Chemistry CO-OP	2-4	A	Departmental approval
CHEM 2310	Organic Chem I	4	F,Sp	CHEM 1220 w/C grade or better. Recommended coreq: CHEM 2315
CHEM 2315	Organic Chem Lab I	1	F,Sp	CHEM 1220 w/C grade or better. Recommended coreq: CHEM 2310
CHEM 2320	Organic Chem II	4	Sp,Su	CHEM 2310 w/C grade or better. Recommended coreq: CHEM 2325
CHEM 2325	Organic Chem Lab II	1	Sp,Su	CHEM 2310 w/C grade or better. Recommended coreq: CHEM 2320

MASS COMMUNICATION – ASSOCIATE OF SCIENCE (AS) 63 credits minimum

Communication and Performing Arts Division
Taylorsville Redwood Campus, TB 325
General Information, (801) 957-4073
Program Information, (801) 957-4130
http://www.slcc.edu/communication
Academic Advisor, SCC W138, (801) 957-3361

Program Faculty:
Professors – Carolyn Clark, Shirley Jones
Associate Professors – Nick Burns, Julie Gay, Art Kanehara
Assistant Professors – Roger Johnson, Tamra Phillips, Shirene McKay, Tyler Smith, Jay Williams

Program Description: An Associate of Science degree may be obtained while pursuing coursework in Communication. The AS requires a minimum of 63 semester credit hours with a cumulative grade-point average of 2.0 or better. Elective hours may be selected from department-approved lists to emphasize the student's interest area within communication. Communication courses range from basic introductory course (COMM 1010) to specialized courses in broadcasting, journalism, public relations, rhetoric, persuasion, interpersonal communication, small group communication, organizational communication, public speaking and conflict resolution. CO-OP Internship (COMM 2000) is strongly recommended. Students may earn a portion of their elective credits by accepting and successfully fulfilling an available student internship within their area of interest.

The Mass Communication Center (MCC) sets the Communication Department apart from other college programs. MCC provides a valuable step between coursework and working in the real world. MCC offers students a practicum-based learning environment that supports application of skills to create and produce media for TV, radio, web and newspaper. For more information about MCC visit www.slcc.edu/mcc.

The Communication Department offers an Associate of Science Degree in Mass Communication with emphases in the following:

- Journalism with tracks in Print, Broadcast, or Radio
- TV/Video Production
- Mass Communication Studies
- Media & Communication Technology

The Communication Department and MCC also collaborate to provide students independent study opportunities and valuable internships with local media partners. Each providing greater range of experience and assisting SLCC graduates to be more marketable. As multimedia content continues to surface in all areas of life, this degree gives students endless possibilities as they move to the workforce.

Career Opportunities:
Advertising Executive Art Director (broadcast studio)
Computer Graphics Operator
Copywriter
Copy Editor/Proofreader
Database Analyst
Digital Video Author
Disc Jockey (radio)
Director (broadcasting)
Floor Director (broadcasting)
Film Director
Gaffer
Graphic Designer
Grip
Journalist
Lighting Director
Mass Media
Media Buying
Media Marketing Specialist

News Anchor (studio)
News Editor (print & broadcast)
Photo Journalist
Press Secretary
Producer (broadcasting)
Production Manager
Program Developer
Program Acquisition Specialist
Promotion Editor
Props Master
Radio Host
Reporter (print & broadcasting)
Satellite Truck Operator (broadcasting)
Set Designer/ Builder
Sports Announcer
Stage Manager (studio)
Technical Director (studio)
Technical Writer
Teleprompter Operator (studio)
Traffic Director (broadcasting)
TV Anchor
Video Editor
Video Encoder
Videographer
Website Designer
Web Publisher
Webmaster

Transfer/Articulation Information: Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Estimated Cost for Students: Cost for general student supplies and texts are comparable with other General Education classes. Classes requiring registration for a lab may require a small replacement and disposable fee to cover the cost of the student's use of lab facilities and supplies.

Estimated Time to Completion: If students follow suggested sample schedule, completion time is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
Students completing the AS degree via Communication coursework in either Mass or Speech Communication shall: • Acquire substantive knowledge in Communication. • Be prepared for further study in Communication or in a related discipline at a four-year college or university. • Understand key concepts related to interpretive and social science studies of communication. • Demonstrate effective communication in reading, writing, speaking and listening. • Demonstrate ability to comprehend and interpret communication texts. • Write effectively to business, academic and community audiences. • Develop effective public speaking skills. • Improve listening skills in the workplace, community, and personal lives.	1 – Substantive Knowledge 2 – Communicate Effectively

Students completing the AS degree via Communication with the Speech Communication option must also: • Demonstrated a foundational understanding of argumentation, conflict resolution, interpersonal, small group and organizational communication. Students completing the AS degree via Communication with the Mass Communication Option must also: • Demonstrate a solid foundational understanding of broadcasting, broadcast journalism, print journalism, media management and communication technology.	
Students completing the AS degree via Communication with the Speech or Mass Communication options will demonstrate the ability to think critically: • Recognize basic logical fallacies. • Monitor their own communication habits. • Use sound reasoning. • Incorporate authoritative references. • Recognize ethical considerations inherently involved in communication situations.	4 – Think Critically
Students completing the AS degree via Communication with the Speech or Mass Communication options will demonstrate the ability to be civically engaged: • Develop cultural sensitivity as a foundation for effective communication with people of diverse backgrounds. • Develop an awareness of civil rights and responsibilities for communicators in a democracy. • Articulate effectively, both orally and in writing. • Engage in informed dialogue examining conflicting points of view. • Respect others' points of view. • Develop an awareness of the role and skills required of communicators as leaders in the workplace and the community.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) CHOOSE ONE COURSE (3 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
MATH 1030	Quantitative Reasoning	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score
OR				
MATH 1040	Intro to Statistics	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem of Effective Com	3	A	

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3
Physical Science (PS)	3

NOTE: COMM 1050 is recommended for the Humanities (HU) Distribution requirement.

REQUIRED COURSES: (14 CREDITS)

COURSE		CR	SEM	PREREQUISITE
COMM 1500	Intro Mass Comm (ID)	3	A	
COMM 1800	Digital Media Essnt	4	A	
COMM 1820	Media Content Manage	3	F, Sp	ART/COMM/EBT/ENGL 1800 or concurrently
COMM 2500	Elem/Issue Digit Med(ID)	4	F, Sp	

EMPHASIS COURSES

In addition to required courses, students must also complete a minimum of 10 credits of Emphasis Courses, Classes from Required Core Courses and Emphasis Courses must total a minimum of 24 credits.

JOURNALISM EMPHASIS: PRINT JOURNALISM TRACK

COURSE		CR	SEM	PREREQUISITE
COMM 1120	Prin of Interviewing	3	F, Sp	
COMM 1610	Jrn I: Rprtng/Wrtng	3	F, Sp	ENGL 1010
COMM 1620	Jrn II: Editing	3	F, Sp	COMM 1610 or COMM 1130
COMM 1630	Jrn III: Layout/Dsgn	3	F, Sp	ART/COMM/EBT/ENGL 1800

JOURNALISM EMPHASIS: BROADCAST JOURNALISM TRACK

COURSE		CR	SEM	PREREQUISITE
COMM 1120	Prin of Interviewing	3	F, Sp	
COMM 1130	Reporting for Mass Med	4	F, Sp	
COMM 2200	Beg Video Prod	4	F, Sp	Recommended: COMM/ART/FLM/ENGL/EBT 1800
COMM 2310	Inter Video Prod-News	4	F, Sp	COMM 2200 or instructor approval and recommended: COMM 1130

JOURNALISM EMPHASIS: RADIO JOURNALISM TRACK

COURSE		CR	SEM	PREREQUISITE
COMM 1120	Prin of Interviewing	3	F, Sp	
COMM 1130	Reporting for Mass Med	4	F, Sp	
COMM 1515	Basic Audio Production	3	F, Sp	
COMM 1560	Radio Production	3	F, Sp	COMM/FLM/MUSC/THEA 1515 or concurrently

MASS COMMUNICATION STUDIES EMPHASIS

COURSE		CR	SEM	PREREQUISITE
COMM 1130	Reporting for Mass Med	4	F, Sp	
OR				
COMM 1610	Jrn I: Rprtng/Wrtng	3	F, Sp	ENGL 1010
COMM 1515	Basic Audio Production	3	F, Sp	
COMM 2200	Beg Video Prod	4	F, Sp	Recommended: COMM/ART/FLM/ENGL/EBT 1800
COMM 2440	Web Site Design	3	A	COMM/ART/FLM/ENGL/EBT 1800
OR				
COMM 2570	Intro to Visual Comm	4	F, Sp	

TV/VIDEO PRODUCTION EMPHASIS

COURSE		CR	SEM	PREREQUISITE
COMM 1515	Basic Audio Production	3	F, Sp	
COMM 2200	Beg Video Prod	4	F, Sp	Recommended: COMM/ART/FLM/ENGL/EBT 1800
COMM 2310	Inter Video Prod-News	4	F, Sp	COMM 2200 or instructor approval and recommended: COMM 1130
COMM 2510	Adv Video Prod-Doc	4	F, Sp	COMM 2200 or FLM 1055

MEDIA & COMMUNICATION TECHNOLOGY EMPHASIS

COURSE		CR	SEM	PREREQUISITE
COMM 2400	Web 2.0 Tools & Strat	3	F, Sp	
COMM 2440	Web Site Design	3	A	COMM/ART/FLM/ENGL/EBT 1800
COMM 2525	Web Site Promotion	4	F, Sp	COMM/ART 2440
COMM 2570	Intro to Visual Comm	4	F, Sp	

ELECTIVES

Number of credits required will vary based on Emphasis Courses; the total minimum credits to graduate are 63.

COURSE		CR	SEM	PREREQUISITE
COMM 1020	Prin/Public Spkg (CM,IN)	3	A	
COMM 1120	Prin of Interviewing	3	F, Sp	
COMM 1130	Reporting for Mass Med	4	F, Sp	
COMM 1250	Intro Perform Studies	3	F, Sp	
COMM 1515	Basic Audio Production	3	F, Sp	
COMM 1560	Radio Production	3	F, Sp	COMM/FLM/MUSC/THEA 1515 or concurrently
COMM 1620	Jrn II: Editing	3	F, Sp	COMM 1610 or COMM 1130
COMM 1630	Jrn III: Layout/Dsgn	3	F, Sp	ART/COMM/EBT/ENGL 1800
COMM 2000	Comm CO-OP/Intern	2-4	A	Departmental approval
COMM 2200	Beg Video Prod	4	F, Sp	Recommended: COMM/ART/FLM/ENGL/EBT 1800
COMM 2300	Intro to Public Rel	3	Sp	
COMM 2310	Inter Video Prod-News	4	F, Sp	COMM 2200 or instructor approval and recommended: COMM 1130
COMM 2400	Web 2.0 Tools & Strat	3	F, Sp	
COMM 2440	Web Site Design	3	A	COMM/ART/FLM/ENGL/EBT 1800
COMM 2510	Adv Video Prod-Doc	4	F, Sp	COMM 2200 or FLM 1055
COMM 2525	Web Site Promotion	4	F, Sp	COMM/ART 2440
COMM 2560	Adv Radio Prod	3	F, Sp	COMM 1560
COMM 2570	Intro to Visual Comm	4	F, Sp	
COMM 2590	Advert Media & Sales	3	F, Sp	
COMM 2990	Second Year Proj	4	A	COMM 1560 or 2200
ART 1810	Int Photoshop/Multimed	2	F, Sp	COMM/ART/FLM/ENGL/EBT 1800
ART 2610	Multimedia Authoring	2	F, Sp	ART 2440

NOTE: COMM 1610 and COMM 1130 can be substituted for each other in the Communication program at SLCC. Consult an advisor in advance to find out which course transfers to your intended USHE receiving institution.

SAMPLE SCHEDULE – MASS COMMUNICATION			
FALL SEMESTER		**SPRING SEMESTER**	
COMM 1010	3	COMM 1500	3
COMM 1800	4	COMM REQ	3-4
COMM REQ	3-4	LW	1
MATH 1030	3	CIS 1020	3
ENGL 1010	3	AI	3
		DISTRIBUTION	3-4
Total	**17-18**	**Total**	**16-18**

FALL SEMESTER		SPRING SEMESTER	
ENGL 2010	3	COMM 2500	4
COMM REQ	3-4	COMM REQ	3-4
COMM 1820	3	COMM ELEC	3-4
DISTRIBUTION (2)	6	DISTRIBUTION (2)	6
Total	**15-16**	**Total**	**16-18**

For emphasis-specific sample schedules, please see the Communication Department website at www.slcc.edu/communication or consult with your advisor.

Advising Notes: Students are strongly encouraged to take ENGL 1010 and COMM 1010 during their first semester.

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. The semesters in which courses are taught are listed above. Students should check the current class schedule for availability of courses at all sites for day/evening availability and for modification caused by varying enrollments.

SPECIAL ADVISING NOTE

There are two ways to transfer to the University of Utah Communication Department:

1. Earn a 2.6 GPA at SLCC and apply to the University of Utah
2. Complete the COMMStep Program, which requires these steps:
    a. Earn a COMM AS degree at SLCC
    b. Earn a 3.2 GPA (cumulative or COMM class cumulative)
    c. Complete the one credit TIG (Transfer Interest Group) class, COMM 3060, offered by the U COMM Department and taught by Dr. Norm Elliott on the SLCC Taylorsville Redwood campus in spring.

SPEECH COMMUNICATION – ASSOCIATE OF SCIENCE (AS) 63 credits minimum

Communication and Performing Arts Division
Taylorsville Redwood Campus, TB 325
General Information, (801) 957-4073
Program Information, (801) 957-4130
http://www.slcc.edu/communication
Academic Advisor, SCC W138, (801) 957-3361

Program Faculty:
Professors – Carolyn Clark, Shirley Jones
Associate Professors – Nick Burns, Julie Gay, Art Kanehara
Assistant Professors – Roger Johnson, Tamra Phillips, Shirene McKay, Tyler Smith, Jay Williams

Program Description: An Associate of Science degree may be obtained while pursuing coursework in Communication. The AS requires a minimum of 63 semester credit hours with a cumulative grade-point average of 2.0 or better (2.6 or better is required for students transferring to the University of Utah). Elective hours may be selected from department-approved lists to emphasize the student's interest area within communication. Communication courses range from basic introductory course (COMM 1010) to specialized courses in broadcasting, journalism, public relations, rhetoric, persuasion, interpersonal communication, small group communication, organizational communication, public speaking and conflict resolution. CO-OP Internship (COMM 2000) is strongly recommended. Students may earn a portion of their elective credits by accepting and successfully fulfilling an available student internship within their area of interest.

The Mass Communication Center (MCC) sets the Communication Department apart from other college programs. MCC provides a valuable step between coursework and working in the real world. The Communication Department and MCC also collaborate to provide students independent study opportunities and valuable internships. For more information about MCC visit www.slcc.edu/mcc.

Career Opportunities: Administrative Aide/Consultant, Business Manager, Child Language Specialist, Community Affairs Specialist, Communication Analyst, Community Relations Specialist, Communication Researcher, Corporate Trainer, Crisis Manager, Development (fund raising), Diversity Consultant, Issues Advocate, Events Planner, Negotiation Director, Lobbyist, Political Analyst, Publicist, Speech Writer/Coach, etc.

Transfer/Articulation Information: Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Estimated Cost for Students: Cost for general student supplies and texts are comparable with other General Education classes. Classes requiring registration for a lab may require a small replacement and disposable fee to cover the cost of the student's use of lab facilities and supplies.

Estimated Time to Completion: If students follow suggested sample schedule, completion time is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
Students completing the AS degree via Communication coursework in either Mass or Speech Communication shall: • Acquire substantive knowledge in Communication. • Be prepared for further study in Communication or in a related discipline at a four-year college or university. • Understand key concepts related to interpretive and social science studies of communication. • Demonstrate effective communication in reading, writing, speaking and listening. • Demonstrate ability to comprehend and interpret communication texts.	1 – Substantive Knowledge 2 – Communicate Effectively

• Write effectively to business, academic and community audiences. • Develop effective public speaking skills. • Improve listening skills in the workplace, community, and personal lives. Students completing the AS degree via Communication with the Speech Communication option must also: • Demonstrated a foundational understanding of argumentation, conflict resolution, interpersonal, small group and organizational communication. Students completing the AS degree via Communication with the Mass Communication Option must also: • Demonstrate a solid foundational understanding of broadcasting, broadcast journalism, print journalism, media management and communication technology.	
Students completing the AS degree via Communication with the Speech or Mass Communication options will demonstrate the ability to think critically: • Recognize basic logical fallacies. • Monitor their own communication habits. • Use sound reasoning. • Incorporate authoritative references. • Recognize ethical considerations inherently involved in communication situations.	4 – Think Critically
Students completing the AS degree via Communication with the Speech or Mass Communication options will demonstrate the ability to be civically engaged: • Develop cultural sensitivity as a foundation for effective communication with people of diverse backgrounds. • Develop an awareness of civil rights and responsibilities for communicators in a democracy. • Articulate effectively, both orally and in writing. • Engage in informed dialogue examining conflicting points of view. • Respect others' points of view. • Develop an awareness of the role and skills required of communicators as leaders in the workplace and the community.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) CHOOSE ONE COURSE (3 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
MATH 1030	Quantitative Reasoning	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score
OR				
MATH 1040	Intro to Statistics	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:
LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem of Effective Com	3	A	

DISTRIBUTION AREAS:
Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3
Physical Science (PS)	3

NOTE: COMM 1050 is recommended for the Humanities (HU) Distribution requirement.

REQUIRED COURSES: (6-9 CREDITS)

Select 6-9 credits from the following courses which articulate to the Communication Major at the Univesity of Utah. Students are encouraged to complete all three courses:

COURSE		CR	SEM	PREREQUISITE
COMM 1020	Prin/Public Spkg (CM,IN)	3	A	
COMM 1270	Analysis of Argument	3	F, Sp	
COMM 2110	Interpers Comm (ID, HR)	3	F, Sp	

SPEECH COMMUNICATION COURSES: (SELECT 6 – 10 CREDITS FROM THE FOLLOWING)

COMM 1080	Conflict Mgt/Div(SS,DV)	3	F, Sp	
COMM 1120	Prin of Interviewing	3	F, Sp	
COMM 2000	Comm CO-OP/Intern	2-4	A	Departmental approval
COMM 2120	Small Group Comm	3	F, Sp	
COMM 2150	Intercultural Comm (ID, DV)	3	A	
COMM 2170	Organizational Comm	3	F, Sp	
COMM 2020	Persuasion Practices	3	F, Sp	

ELECTIVES
Select 13-14 credits from any college level course numbered 1000 or higher.

SAMPLE SCHEDULE – SPEECH COMMUNICATION

FALL SEMESTER		SPRING SEMESTER	
COMM 1010	3	COMM 1020	3
MATH 1030	3	HLAC	1
ENGL 1010	3	DISTRIBUTION	3
CIS 1020	3	COMM 1050	3
DISTRIBUTION	3	AI	3
		COMM REQ OR ELEC	3
Total	**15**	**Total**	**16**

FALL SEMESTER		SPRING SEMESTER	
ENGL 2010	3	COMM 2110	3
COMM 1270	3	COMM REQ	3
COMM REQ	3	ELEC	3
DISTRIBUTION (2)	6	ELEC	3
		DISTRIBUTION	3
Total	**15**	**Total**	**15**

Advising Notes: Students are strongly encouraged to take ENGL 1010 and COMM 1010 during their first semester.

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. The semesters in which courses are taught are listed above. Students should check the current class schedule for availability of courses at all sites for day/evening availability and for modification caused by varying enrollments.

SPECIAL ADVISING NOTE
There are two ways to transfer to the University of Utah Communication Department:

1. Earn a 2.6 GPA at SLCC and apply to the University of Utah
2. Complete the COMMStep Program, which requires these steps:
    a. Earn a COMM AS degree at SLCC
    b. Earn a 3.2 GPA (cumulative or COMM class cumulative)
    c. Complete the one credit TIG (Transfer Interest Group) class, COMM 3060, offered by the U COMM Department and taught by Dr. Norm Elliott on the SLCC Taylorsville Redwood campus in spring.

VIDEO OR RADIO PRODUCTION – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 66 credits minimum

Communication and Performing Arts Division
Taylorsville Redwood Campus, TB 325
General Information, (801) 957-4073
Program Information, (801) 957-4130
http://www.slcc.edu/communication
Academic Advisor, SCC W138, (801) 957-3361

Program Faculty:
Professors – Carolyn Clark, Shirley Jones
Associate Professors – Nick Burns, Julie Gay, Art Kanehara
Assistant Professors – Roger Johnson, Tamra Phillips, Shirene McKay, Jay Williams
Instructors – Tyler Smith

Program Description: The Communication Department offers an Associate of Applied Science (AAS) degree in Video Production or Radio Production. This degree gives students hands-on experience and the opportunity to gain in-depth knowledge to go directly into the workplace. Students studying in this program will learn to effectively use aesthetic theories of visual imaging and sound throughout the production process, through a combination of lectures, studio and field production, post-production editing, and multimedia delivery.

Courses in the program are all learning-based and are designed to engage students to participate in the material presented in the classroom. Students learn to become active participants in media, rather than mere passive receivers of information. As students participate in coursework, they become media literate and begin to broaden their knowledge, think critically, communicate effectively, and grow through ethical considerations and civic engagement.

The Communication Department strongly encourages interdepartmental collaboration and provides important opportunities for students in all areas of study to learn and incorporate multimedia content in each of their courses.

The Mass Communication Center (MCC) sets the Communication Department apart from other college programs. MCC provides a valuable step between coursework and working in the real-world. MCC offers students a paid learning environment that supports application of skills to create and produce media for a wide variety of real-world clients. For more information about MCC visit www.slcc.edu/mcc

The Communication Department and MCC also collaborate to provide students independent study opportunities and valuable internships with local media partners. Each providing greater range of experience and assisting SLCC graduates to be more marketable. As multimedia content continues to surface in all areas of life, this degree gives students endless possibilities as they move to the workforce.

Career Opportunities:
Disc Jockey (radio)
Director (broadcasting)
Floor Director (broadcasting)
Film Director
Gaffer
Graphic Designer
Grip
Journalist
Lighting Director
Media Buying
Media Marketing Specialist
News Anchor (studio)
News Editor (print & broadcast)
Photo Journalist
Producer (broadcasting)
Production Manager
Program Developer
Program Acquisition Specialist

Promotion Editor
Props Master
Radio Host
Reporter (print & broadcasting)
Satellite Truck Operator (broadcasting)
Sports Announcer
Stage Manager (studio)
Technical Director (studio)
Teleprompter Operator (studio)
Traffic Director (broadcasting)
TV Anchor
Video Editor
Video Encoder
Videographer

Transfer/Articulation Information: Although the Video or Radio Production Associate of Applied Science degree program is designed primarily to provide students with entry level skills to enter the job market, some of the courses may apply toward a bachelor's degree. Students interested in pursuing professional Broadcasting, Video or Audio at a four-year institution should obtain advising regarding the requirements and course selection criteria for the bachelor's program.

Estimated Cost for Students: Cost for general student supplies and texts are comparable with other General Education classes. Classes requiring registration for a lab may require a small replacement and disposable fee to cover the cost of the student's use of lab facilities and supplies.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
The students will demonstrate entry level professional production skills such as beginning video editing; media writing; and web design.	1, 3
Students in the video specialization area will be able to deliver media in different formats.	2, 4
Students in the audio specialization area will be able to deliver media in different formats	2, 4
Students will demonstrate the ability to understand and comprehend our market media system.	2, 3, 4
The students will experience hands-on application of their production skills such as internships at television and radio stations.	1, 2 3, 5
The students will leave the program with a marketable demo reel/portfolio.	2, 4

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Interm Algebra	4	A	RDG 0990; within the last year MATH 0990 w/C grade or better or appropriate Accuplacer score

COMMUNICATION (CM) CHOOSE ONE COURSE (3 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem Effective Comm	3	A	COMM 1010
COMM 1020	Prin Public Speaking	3	A	COMM 1020
CTEL 1020	Career Speech Skills	3	A	CTEL 1020

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (6 CREDITS)

Choose an additional six credits from at least two of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (41-43 CREDITS)

COURSE		CR	SEM	PREREQUISITE
COMM 1130	Reporting for Mass Med	4	F, Sp	
COMM 1250	Intro Perform Studies	3	F, Sp	
COMM 1500	Intro Mass Comm (ID)	3	A	
COMM 1515	Basic Audio Production	3	F, Sp	
COMM 1800	Digital Media Essnt	4	A	
COMM 2000	Comm CO-OP/Intern	2-4	A	Departmental approval
COMM 2200	Beg Video Prod	4	F, Sp	Recommended: COMM/ART/FLM/ENGL/EBT 1800
COMM 2440	Web Site Design	3	A	COMM/ART/FLM/ENGL/EBT 1800
	Or			
COMM 1820	Media Content Manage	3	F, Sp	ART/COMM/EBT/ENGL 1800 or concurrently
COMM 2500	Elem/Issue Digit Med(ID)	4	F, Sp	
COMM 2570	Intro to Visual Comm	4	F, Sp	
COMM 2990	Second Year Proj	4	A	COMM 1560 or 2200

NOTE: COMM 1610 and COMM 1130 can be substituted for each other in the Communication program at SLCC.

EMPHASIS COURSES: (6-8 CREDITS)

Choose a specialization area (Video or Radio) and complete those questions:

VIDEO PRODUCTION

COURSE		CR	SEM	PREREQUISITE
COMM 2310	Inter Video Prod-News	4	F, Sp	COMM 2200 or instructor approval and recommended: COMM 1130
COMM 2510	Adv Video Prod-Doc	4	F, Sp	COMM 2200 or FLM 1055

RADIO PRODUCTION

COURSE		CR	SEM	PREREQUISITE
COMM 1560	Radio Production	3	F, Sp	COMM/FLM/MUSC/THEA 1515 or concurrently
COMM 2560	Adv Radio Prod	3	F, Sp	COMM 1560

ELECTIVE COURSES:

Choose one or more elective courses according to special interests and as schedule permits. Students can also take other specialization courses are electives.

COURSE		CR	SEM	PREREQUISITE
COMM 1120	Prin of Interviewing	3	F, Sp	
COMM 1620	Jrn II: Editing	3	F, Sp	COMM 1610 or COMM 1130
COMM 1630	Jrn III: Layout/Dsgn	3	F, Sp	ART/COMM/EBT/ENGL 1800
COMM 1820	Media Content Manage	3	F, Sp	ART/COMM/EBT/ENGL 1800 or concurrently

COMM 2300	Intro to Public Rel	3	Sp	
COMM 2400	Web 2.0 Tools & Strat	3	F, Sp	
COMM 2440	Web Site Design	3	A	COMM/ART/FLM/ENGL/EBT 1800
ART 1810	Int Photoshop/Multimed	2	F, Sp	COMM/ART/FLM/ENGL/EBT 1800

NOTE: The number of internship hours determines number of hours students have available for electives to meet AAS credit hour requirements (66-69 total). Other electives may be selected with prior COMM department approval. Among disciplines with applicable electives are: Writing, Accounting, Dance, Film, Music, Business, Web Development, Visual Art & Design, Animation, Production Art, Photography, Image Editing, Personal Finance, Art History, Theater, and Multimedia Authoring.

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
COMM 1010/1020 (CM)	3	COMM 1500	3
COMM 1515	3	COMM 1130	4
COMM 1800	4	COMM 2110 (HR)	3
COMM 2570	4	COMM 2200	4
ENGL 1010 (EN)	3	DISTRIBUTION	3
Total	**17**	**Total**	**17**
FALL SEMESTER		**SPRING SEMESTER**	
EMPHASIS	3-4	EMPHASIS	3-4
COMM 1250	3	COMM 2500	4
COMM 2000	1-6	COMM 2990	3
COMM 2440/1820	3	ELEC	3-6
MATH 1010 (QS)	4		
Total	**14-20**	**Total**	**13-20**

Advising Notes: It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program.

For the Human Relations General Education Requirement, we recommend that our students take COMM 2110 as Interpersonal Communication is key when working in media production fields where team and group work is essential.

BUSINESS AND PERSONAL COMPUTING – CERTIFICATE OF COMPLETION[CTE] 33 credits minimum

Computer Sciences and Paralegal Studies Division
Taylorsville Redwood Campus, BB 109
General Information, (801) 957-4073
Program Information, (801) 957-5150
http://www.slcc.edu/cis
Academic Advisor, BB 209, (801) 957-4286

Program Faculty:
Professors – Jimmy Chen, Gordon Frisbey, Susumu Kasai, Lorna Wells, Bruce Worthen
Associate Professors – Paul Anstall, Robert Baird, Randy Koziatek, Philip Nielson
Assistant Professors – Edward Walsh, Rod Buhler, Marilyn Hibbert
Instructors – Dan Pope

Program Description: This Certificate of Completion provides students foundational and necessary skills in Business and Personal Computing. Upon completion of the program, students will learn the skills necessary to manage their own personal computing needs as well as some of the fundamental skills necessary in business.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1. From a set of requirements; analyze, design, code, test and document programs to meet requirements 2. Create and utilize database tables, forms, reports and queries. 3. Demonstrate knowledge of operating systems and its interaction with programs, data, hardware, and users. 4. Understand the mapping between software and hardware solutions. 5. Perform network management tasks. 6. Efficiently use common business software including word processing, spreadsheets, and presentations.	1 – Substantive Knowledge
1. Communication effectively electronically	1 – Substantive Knowledge
1. Use appropriate functions, filters and queries to perform data analyses and make informed decisions 2. Write code that performs the necessary numerical calculations and operations to solve problems.	1 – Substantive Knowledge
1. Extract relevant data from complex information, process it appropriately, and draw reasonable conclusions. 2. Analyze a set of requirements for software or network solutions. 3. Design a database that will organize complex data.	4 – Think Critically 2 – Communicate Effectively
1. Work cooperatively with fellow students through group work and course assignments 2. Understand the importance of increasing effective participation in a business organization.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
FIN 1380	Financial Mathematics	3	A	MATH 0990 or appropriate Accuplacer score

HUMAN RELATIONS (HR) 2 CREDITS

COURSE		CR	SEM	PREREQUISITE
MKTG 1010	Customer Service	2	F, Sp	

REQUIRED COURSES: (24 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CIS 1070	Living in a Digital World	3	F, Sp	
CIS 1430	Intern/HTML Fndtls	3	F	CIS 1020 or Challenge Exam
CIS 1520	Operating Systems	3	F, Sp	CIS 1020 or Challenge Exam
CIS 2010	BusCompProf DBase	3	F, Sp	CIS 1020 or Challenge Exam
CIS 2410	Adv Sprdst App	3	Sp	CIS 1020 or Challenge Exam
BUS 1050	Foundations of Business	3	F, Sp	ENGL 1010 (may be taken concurrently)
FIN 1050	Personal Finance	3	F, Sp	
CS 1030	Connected Computing	3	F, Sp	

ELECTIVE COURSES: (CHOOSE ONE OF THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
CS 1031	Open Srce Windows Dsktp	1	F, Sp	Coreq: CS 1030
CS 1032	Open Srce Linux Desktop	1	F, Sp	Coreq: CS 1030
CS 1033	Open Srce Mac Desktop	1	F, Sp	Coreq: CS 1030

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
CIS 1070	3	BUS 1050	3
CIS 1430	3	CIS 2010	3
CIS 1520	3	CIS 2410	3
FIN 1050	3	FIN 1380	3
ENGL 1010	3	CS 1030	3
MKTG 1010	2	CS CHOICE	1
Total	**17**	**Total**	**16**

COMPUTER INFORMATION SYSTEMS – ASSOCIATE OF SCIENCE (AS) 65 credits minimum

Computer Sciences and Paralegal Studies Division
Taylorsville Redwood Campus, BB 109
General Information, (801) 957-4073
Program Information, (801) 957-5150
http://www.slcc.edu/cis
Academic Advisor, BB 209, (801) 957-4286

Program Faculty:
Professors – Jimmy Chen, Gordon Frisbey, Susumu Kasai, Lorna Wells, Bruce Worthen
Associate Professors – Paul Anstall, Robert Baird, Randy Koziatek, Philip Nielson
Assistant Professors – Edward Walsh, Rod Buhler, Marilyn Hibbert
Instructors – Dan Pope

Program Description: The Computer Information Systems Associate of Applied Science program prepares students for professional careers in the information systems field as program designers, programmer/analysts or systems analysts. Graduates perform detailed program design, coding, testing, documentation and implementation of commercially oriented information systems. The program develops a student's ability to conceptualize, design and implement information systems.

The Department offers the following:

- Associate of Science transfer degree
- Associate of Applied Science Degree in Computer Information Systems with emphasis in Computer Programming and Design
- Associate of Applied Science Degree in Computer Information Systems with emphasis in Web Programming and Development
- Associate of Applied Science Degree in Computer Information Systems with emphasis in Database Design, Management and Administration.
- Certificate of Completion in Business and Personal Computing.

These programs prepare students for professional careers in the information systems field as program designers, programmer/analysts or systems analysts. Graduates perform detailed program design, coding, testing, documentation and implementation of commercially-oriented information systems. The program develops a student's ability to conceptualize, design and implement information systems. Job opportunities include:

- Computer and information systems managers
- Computer programmers
- Computer software engineers
- Computer support specialists
- Computer systems analysts
- Database administrators
- Database designers
- Market research analysts
- Network and computer systems administrators
- Network systems and data communications analysts
- Web programmer and developers

Transfer/Articulation Information: The AS degree is designed to transfer to all four-year institutions. Preparing for a smooth transition to a four-year college or university requires advance research and planning by students. Requirements for four-year universities and colleges are subject to change; ongoing planning is essential. A course articulation exists with Weber State University Computer Science Department. This program is offered in the evening at SLCC through the University Center. Areas of study include: Web Development, Mobile Network Security or preparation to pursue and Master's Degree in Computer Science.

Students transferring to WSU Computer Science should take the following courses: any COMM course, ENGL 2010, MATH 1040, MATH 1210, MATH 1220, CS 1200 and CS 1201 or CS 1202, CIS 2600 or CIS 1555, CIS 2430 and CIS 2150.

Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Specialized Accreditation: The Computer Information Systems associate degree programs are accredited by the Association of Collegiate Business Schools and Programs (ACBSP). This accreditation represents the achievement of meeting the high national standards established for associate degree granting business programs.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1. From a set of requirements; analyze, design, code, test and document programs to meet requirements 2. Create and utilize database tables, forms, reports and queries. 3. Demonstrate knowledge of operating systems and its interaction with programs, data, hardware, and users. 4. Understand the mapping between software and hardware solutions. 5. Perform network management tasks. 6. Efficiently use common business software including word processing, spreadsheets, and presentations.	1 – Substantive Knowledge
1. Communication effectively electronically	2 – Communicate Effectively
1. Use appropriate functions, filters and queries to perform data analyses and make informed decisions 2. Write code that performs the necessary numerical calculations and operations to solve problems.	3 – Develop Quantitative Literacy
1. Extract relevant data from complex information, process it appropriately, and draw reasonable conclusions. 2. Analyze a set of requirements for software or network solutions. 3. Design a database that will organize complex data.	4 – Think Critically
1. Work cooperatively with fellow students through group work and course assignments 2. Understand the importance of increasing effective participation in a business organization.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1210	Calculus I	4	A	Within the last year, MATH 1060 or MATH 1080 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM1010	Intro to Comm	3	A	

OR			
COMM 1020	Prin Public Speaking	3	A
OR			

DEPTH

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3
Physical Science (PS)	3

NOTE: CIS 1430 is a program requirement and cannot be taken for an Interdisciplinary Distribution requirement in General Education.

REQUIRED COURSES: 27 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CIS 1030	Obj-Oriented Pro I	3	F, Sp	Recommended Coreq: CIS 1020
CIS 1130	Obj-Oriented Pro II	3	F, Sp	CIS 1030
CIS 1135	Obj-Ori Analy/Dsgn	3	F, Sp	CIS 1130 or concurrently
CIS 1430	Intern/HTML Fndtls	3	F	CIS 1020 or challenge exam
CIS 2150	Comp Organization	3	F, Sp	CIS 1030 and CIS 1130, either can be taken concurrently
CIS 2350	UNIX/Linux	3	F, Sp	CIS 1020 or challenge exam
OR				
CIS 2730	C++Prog w/Objects	3	F, Sp	CIS 1135
CIS 2420	Ntwk Hard Conf	3	F	CIS 1430
CIS 2430	Web Programming	3	F, Sp	CIS 1430 and CIS 2420
CIS 2600	Fund of DB Mgmt	3	F, Sp	CIS 1030 or concurrently

NOTE: CIS 1030 and CIS 1130 must be completed with a B grade or better.

ADDITIONAL TRANSFER REQUIREMENTS

In order to transfer to WSU Computer Science upper division coursework, additional courses are required beyond the AS degree; they can be taken at SLCC prior to transferring to the WSU program.

COURSE		CR	SEM	PREREQUISITE
CS 2450	Software Engineering	3	A	CS 1410
CS 2430	Discrete Structures	3	Sp	CS 2420
MATH 1040	Statistics	3	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score
MATH 1210	Calculus I	3	A	Within the last year MATH 1060 or MATH 1080 w/C grade or better or appropriate Accuplacer score
MATH 1220	Calculus II	3	A	Within the last year MATH 1210 w/C grade or better
PHYS 2210	Physics for Sci & Eng I	4	F, Sp	MATH 1210. Recommended coreq: PHYS 2215
PHYS 2220	Physics for Sci & Eng II	4	F, Sp	PHYS 2210 and MATH 1220. Recommended coreq: PHYS 2225

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
CIS 1030	3	CIS 1130	3
CIS 1430	3	CIS 1135	3
ENGL 1010	3	CIS 2430	3
STUDENT CHOICE	3	ENGL 2010	3
DISTRIBUTION (2)	6	MATH 1210	4
Total	**18**	**Total**	**16**

FALL SEMESTER		SPRING SEMESTER	
CIS 2420	3	CIS 2150	3
CIS 2600	3	CIS 2350/2730	3
HLAC	1	DISTRIBUTION (3)	9
DISTRIBUTION	3		
AI	3		
Total	**13**	**Total**	**15**

Advising Notes:
In this program, students must complete CIS 1030 and CIS 1130 with a 3.0 grade or higher. In addition, students must maintain a 2.5 cumulative grade point average in all CIS courses. Students who do not maintain a 2.5 cumulative grade point average may not continue in the program without approval of the Division Chair. Grades less than 2.0 will not be credited toward graduation. Success highly depends upon students being able to type at least 35 words per minute. It is recommended that CIS students who need improvement take appropriate keyboarding and skill building courses.

To be successful in the computer industry students need broad, foundational problem solving skills provided by academic degrees that give breadth of knowledge to obtain employment as well as preparation for certification exams. Industry certifications are a very positive development in the computer field, but are intended to be a supplement to academic training, not a substitute for it. Many certification tests assume students have significant computer experience and are intended only to offer an in-depth examination of a specific version of software.

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. Students without prerequisite class skills are at a disadvantage and may be required to repeat the course after satisfying the prerequisites. Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete a certificate or degree. The classes designed to assist students in reaching the skill level necessary to enter the certificate and degree programs are WRTG 0990 (College Preparatory Writing), and MATH 1010 (Intermediate Algebra) Placement testing will be done upon entry to the College unless students have had prior college-level experience.

Students who wish to take the CIS 1020 Computer Essentials challenge exam are advised to review information at www.slcc.edu/cis. An 80% or higher is required on each section of the test. Once an exam is passed a P is posted to the transcript and credit is awarded.

Cooperative Education is the College's program for recognizing and rewarding new learning associated with study-related employment in a business, industrial or government work environment. Credit earned from CIS 2000 is applied toward graduation requirements as CIS elective credit. CIS major and sophomore standing are requirements for Cooperative Education in the CIS department. The Department strongly recommends that students enhance their employment opportunities through Cooperative Education as soon as skills permit, to complement the certificate or degree. Contact CO-OP Office at (801) 957-4014.

COMPUTER INFORMATION SYSTEMS – COMPUTER PROGRAMMING/ DESIGN EMPHASIS – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 66 credits minimum

Computer Sciences and Paralegal Studies Division
Taylorsville Redwood Campus, BB 109
General Information, (801) 957-4073
Program Information, (801) 957-5150
http://www.slcc.edu/cis
Academic Advisor, BB 209, (801) 957-4286

Program Faculty:
Professors – Jimmy Chen, Gordon Frisbey, Susumu Kasai, Lorna Wells, Bruce Worthen
Associate Professors – Paul Anstall, Robert Baird, Randy Koziatek, Philip Nielson
Assistant Professors – Edward Walsh, Rod Buhler, Marilyn Hibbert
Instructors – Dan Pope

Program Description: This emphasis is for professional careers in the information systems field. Opportunities include positions such as programmers, program designers, programmer/analysts or system analysts. Graduates are trained to perform detailed program designing, coding, testing, documentation and implementation of commercially oriented information systems.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Specialized Accreditation: The Computer Information Systems associate degree programs are accredited by the Association of Collegiate Business Schools and Programs (ACBSP). This accreditation represents the achievement of meeting the high national standards established for associate degree granting business programs.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1. From a set of requirements; analyze, design, code, test and document programs to meet requirements. 2. Create and utilize database tables, forms, reports and queries. 3. Demonstrate knowledge of operating systems and its interaction with programs, data, hardware, and users. 4. Understand the mapping between software and hardware solutions. 5. Perform network management tasks. 6. Efficiently use common business software including word processing, spreadsheets, and presentations.	1 – Substantive Knowledge
1. Communication effectively electronically	2 – Communicate Effectively
1. Use appropriate functions, filters and queries to perform data analyses and make informed decisions. 2. Write code that performs the necessary numerical calculations and operations to solve problems.	3 – Develop Quantitative Literacy
1. Extract relevant data from complex information, process it appropriately, and draw reasonable conclusions. 2. Analyze a set of requirements for software or network solutions. 3. Design a database that will organize complex data.	4 – Think Critically
1. Work cooperatively with fellow students through group work and course assignments. 2. Understand the importance of increasing effective participation in a business organization.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE STUDIES (QS) SELECT ONE COURSE (3-4 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
MATH 1050	College Algebra	4	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score
OR				
MATH 1090	College Algebra Business	3	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem of Eff Comm	3	A	

HUMAN RELATIONS (HR) 2 CREDITS

COURSE		CR	SEM	PREREQUISITE
MKTG 1010	Customer Service	2	A	

DISTRIBUTION AREAS: (6 CREDITS)

Choose an additional six credits from at least two of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

NOTE: CIS 1430 is a program course requirement and cannot be taken as Interdisciplinary (ID) Distribution requirement.

REQUIRED COURSES: (33 CREDITS)

COURSE		CR	SEM	PREREQUISITE
BUS 2200	Bus Communications	3	A	ENGL 1010 w/C grade or better
CIS 1030	Obj-Oriented Pro I	3	F, Sp	Recommended Coreq: CIS 1020
CIS 1130	Obj-Oriented Pro II	3	F, Sp	CIS 1030
CIS 1135	Obj-Ori Analy/Dsgn	3	F, Sp	CIS 1130 or concurrently
CIS 1430	Intern/HTML Fndtls	3	F	CIS 1020 or challenge exam
CIS 1520	Operating Systems	3	F, Sp	CIS 1020
CIS 2150	Comp Organization	3	F, Sp	CIS 1030 and CIS 1130, either can be taken concurrently
CIS 2600	Fund of DB Mgmt	3	F, Sp	CIS 1030 or concurrently
CIS 2730	C++Prog w/Objects	3	F, Sp	CIS 1135
CIS 2760	Java I	3	F, Sp	CIS 1135
CIS 2800	Bus Sys Design	3	F, Sp	CIS 2600, and CIS 2760 or CIS 2730

ELECTIVE COURSES: (SELECT 15 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
ACCT 1110	Financial Acct I	3	A	
CIS 2000	CO-OP	2-4	A	Sophomore standing, minimum 2.0 GPA and CIS major
CIS 2010	BusCompProf DBase	3	F, Sp	CIS 1020 or challenge exam
CIS 2350	UNIX/Linux	3	F, Sp	CIS 1020 or challenge exam
CIS 2410	Adv Sprdst App	3	Sp	CIS 1020 or challenge exam
CIS 2420	Ntwk Hard Conf	3	Sp, F	CIS 1430
CIS 2430	Web Programming	3	Sp	CIS 1430 and CIS 2420
CIS 2460	Netwk Mgmt	3	Sp	CIS 1520
CIS 2550	Data Base Prog	3	F, Sp	CIS 1030 and CIS 2010
CIS 2650	ORACLE	3	Sp	CIS 1550
CIS 2735	Win App Prog	3	F, Sp	CIS 2730
CIS 2770	Java II	3	F, Sp	CIS 2760
CIS 2990	Current Topics	1-3	F, Sp	
FIN 1380	Financial Math	3	A	MATH 0990 or appropriate Accuplacer score
MKTG 1030	Intro Marketing	3	A	
MKTG 1050	Consumerism (ID)	3	A	

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
CIS 1520	3	CIS 1130	3
CIS 1030	3	CIS 1135	3
CIS 1430	3	ELEC	3
ELEC	3	COMM 1010	3
MATH 1050/1090	3-4	DISTRIBUTION (2)	6
Total	**17**	**Total**	**15-16**
FALL SEMESTER		**SPRING SEMESTER**	
CIS 2600	3	BUS 2200	3
CIS 2760	3	CIS 2150	3
ELEC	6	CIS 2730	3
MKTG 1010	2	CIS 2800	3
ENGL 2100	3	EKEC	3
Total	**17**	**Total**	**15**

COMPUTER INFORMATION SYSTEMS – DATABASE DESIGN, MANAGEMENT & ADMINISTRATION EMPHASIS – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 63 credits minimum

Computer Sciences and Paralegal Studies Division
Taylorsville Redwood Campus, BB 109
General Information, (801) 957-4073
Program Information, (801) 957-5150
http://www.slcc.edu/cis
Academic Advisor, BB 209, (801) 957-4286

Program Faculty:
Professors – Jimmy Chen, Gordon Frisbey, Susumu Kasai, Lorna Wells, Bruce Worthen
Associate Professors – Paul Anstall, Robert Baird, Randy Koziatek, Philip Nielson
Assistant Professors – Edward Walsh, Rod Buhler, Marilyn Hibbert
Instructors – Dan Pope

Program Description: The program provides academic and technical training necessary for students to gain entry-level positions in database analysis, design, and application development in both private and public organizations where daily business operations relies significantly on database management systems.

Information Management is relevant to every organization (public, private, for profit, non-profit, small business, large businesses). This program trains individuals with the skills needed to manage this information. Database managers and administrators are in short supply and in high-demand. This is a dynamic, changing field. Individuals would be required to develop databases, analyze them, and extract relevant data which would be required to allow businesses to be viable.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Specialized Accreditation: The Computer Information Systems associate degree programs are accredited by the Association of Collegiate Business Schools and Programs (ACBSP). This accreditation represents the achievement of meeting the high national standards established for associate degree granting business programs.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1. From a set of requirements; analyze, design, code, test and document programs to meet requirements. 2. Create and utilize database tables, forms, reports and queries. 3. Demonstrate knowledge of operating systems and its interaction with programs, data, hardware, and users. 4. Understand the mapping between software and hardware solutions. 5. Perform network management tasks. 6. Efficiently use common business software including word processing, spreadsheets, and presentations.	1 – Substantive Knowledge
1. Communication effectively electronically.	2 – Communicate Effectively
1. Use appropriate functions, filters and queries to perform data analyses and make informed decisions. 2. Write code that performs the necessary numerical calculations and operations to solve problems.	3 – Develop Quantitative Literacy
1. Extract relevant data from complex information, process it appropriately, and draw reasonable conclusions. 2. Analyze a set of requirements for software or network solutions. 3. Design a database that will organize complex data.	4 – Think Critically
1. Work cooperatively with fellow students through group work and course assignments. 2. Understand the importance of increasing effective participation in a business organization.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) COMPLETE ONE COURSE (3-4 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Interm Algebra	4	A	RDG 0990; within the last year MATH 0990 w/C grade or better or appropriate Accuplacer score
OR				
FIN 1380	Financial Math	3	A	MATH 0990 or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem of Eff Comm	3	A	

HUMAN RELATIONS (HR) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
MKTG 1960	Professionalism in Bus	3	A	

DISTRIBUTION AREAS: (6 CREDITS)

Choose an additional six credits from at least two of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

NOTE: CIS 1430 is a program course requirement and cannot be taken as Interdisciplinary (ID) Distribution requirement.

REQUIRED COURSES: (38 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CIS 1030	Obj-Oriented Pro I	3	F, Sp	Recommended Coreq: CIS 1020
CIS 1055	DB Design Process	3	A	CIS 1020
CIS 1430	Intern/HTML Fndtls	3	F	CIS 1020 or challenge exam
CIS 1555	SQL Programming	3	F, Sp	CIS 1055 or concurrently
CIS 2010	BusCompProf DBase	3	F, Sp	CIS 1020 or challenge exam
CIS 2350	UNIX/Linux	3	F, Sp	CIS 1020 or challenge exam
CIS 2410	Adv Sprdst App	3	Sp	CIS 1020 or challenge exam
CIS 2430	Web Programming	3	Sp	CIS 1430 and CIS 2420
CIS 2550	Data Base Prog	3	F, Sp	CIS 1030 and CIS 2010
CIS 2600	Fund of DB Mgmt	3	F, Sp	CIS 1030 or concurrently
CIS 2650	ORACLE	3	Sp	CIS 1550
MKTG1010	Customer Serv Tech	2	A	
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

NOTE: CIS 1030 and CIS 1130 must be completed with a B grade or better.

ELECTIVE COURSES: (SELECT 7 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
ACCT 1110	Financial Acct I	3	A	
BUS 2200	Bus Communications	3	A	ENGL 1010 w/C grade or better
CIS 1520	Operating Systems	3	F, Sp	CIS 1020
CIS 1900	Special Projects/DPMA	1	F, Sp	
CIS 2000	CO-OP	2-4	A	Sophomore standing, minimum 2.0 GPA and CIS major
CIS 2420	Ntwk Hard Conf	3	Sp, F	CIS 1430
CIS 2990	Current Topics	1-3	F, Sp	

FIN 1380	Financial Math	3	A	MATH 0990 or appropriate Accuplacer score
MKTG 1030	Intro Marketing	3	A	
MKTG 1050	Consumerism (ID)	3	A	

SAMPLE SCHEDULE

FALL SEMESTER		**SPRING SEMESTER**	
CIS 1030	3	CIS 1555	3
CIS 1055	3	CIS 1430	3
CIS 2010	3	COMM 1010	3
ENGL 1010	3	MKTG 1960	3
MATH 1010	4	ENGL 2100	3
OR		ELEC	3
FIN 1380	3		
Total	**15-16**	**Total**	**18**

FALL SEMESTER		**SPRING SEMESTER**	
CIS 2600	3	CIS 2350	3
CIS 2550	3	CIS 2410	3
MKTG 1010	2	CIS 2430	3
DISTRIBUTION (2)	6	CIS 2650	3
		ELEC	4
Total	**17**	**Total**	**16**

COMPUTER INFORMATION SYSTEMS – WEB PROGRAMMING AND DEVELOPMENT EMPHASIS – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 63 credits minimum

Computer Sciences and Paralegal Studies Division
Taylorsville Redwood Campus, BB 109
General Information, (801) 957-4073
Program Information, (801) 957-5150
http://www.slcc.edu/cis
Academic Advisor, BB 209, (801) 957-4286

Program Faculty:
Professors – Jimmy Chen, Gordon Frisbey, Susumu Kasai, Lorna Wells, Bruce Worthen
Associate Professors – Paul Anstall, Robert Baird, Randy Koziatek, Philip Nielson
Assistant Professors – Edward Walsh, Rod Buhler, Marilyn Hibbert
Instructors – Dan Pope

Program Description: This emphasis is for professional careers in the Web Programming and Development area of the information systems field. Work titles include web programmer, web designer and web engineer. Fundamentals of business as well as technical skills are emphasized, in order to utilize Web Programming and Development effectively in a business environment. The "business to consumer" and "business to business" paradigms are explored. Graduates are trained in the technical aspects of website management, preparation, development and implementation.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Specialized Accreditation: The Computer Information Systems associate degree programs are accredited by the Association of Collegiate Business Schools and Programs (ACBSP). This accreditation represents the achievement of meeting the high national standards established for associate degree granting business programs.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1. From a set of requirements; analyze, design, code, test and document programs to meet requirements. 2. Create and utilize database tables, forms, reports and queries. 3. Demonstrate knowledge of operating systems and its interaction with programs, data, hardware, and users. 4. Understand the mapping between software and hardware solutions. 5. Perform network management tasks. 6. Efficiently use common business software including word processing, spreadsheets, and presentations.	1 – Substantive Knowledge
1. Communication effectively electronically.	2 – Communicate Effectively
1. Use appropriate functions, filters and queries to perform data analyses and make informed decisions. 2. Write code that performs the necessary numerical calculations and operations to solve problems.	3 – Develop Quantitative Literacy
1. Extract relevant data from complex information, process it appropriately, and draw reasonable conclusions. 2. Analyze a set of requirements for software or network solutions. 3. Design a database that will organize complex data.	4 – Think Critically
1. Work cooperatively with fellow students through group work and course assignments. 2. Understand the importance of increasing effective participation in a business organization.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Interm Algebra	4	A	RDG 0990; within the last year MATH 0990 w/C grade or better or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem of Eff Comm	3	A	

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE		CR	SEM	PREREQUISITE
MKTG 1010	Customer Service	2	A	
MKTG 1960	Professionalism in Bus	3	A	

DISTRIBUTION AREAS: (6 CREDITS)

Choose an additional six credits from at least two of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (39 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ACCT 1110	Financial Acct I	3	A	
ART 1800	Digital Media Essentials	4	A	
ART 1810	Interm Photshp/Multimed	2	A	ART 1800
*CIS 1030	Obj-Oriented Pro I	3	F, Sp	Recommended Coreq: CIS 1020
*CIS 1130	Obj-Oriented Pro II	3	F, Sp	CIS 1030
CIS 1430	Intern/HTML Fndtls	3	F	CIS 1020 or challenge exam
CIS 1555	SQL Programming	3	F, Sp	CIS 1055 or concurrently
CIS 2150	Computer Organization	3	F, Sp	CIS 1130
CIS 2350	UNIX/Linux	3	F, Sp	CIS 1020 or challenge exam
CIS 2420	Ntwk Hard Conf	3	Sp, F	CIS 1430
CIS 2430	Web Programming	3	Sp	CIS 1430 and 2420
CIS 2470	JSP, Java Servlets	3	F, Sp	concurrent w/CIS 1135, 2430 and 1030
MGT 1100	Small Business Mgmt	3	A	

ELECTIVE COURSES: (SELECT 8 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
CIS 1055	Database Design & Proc	3	F, Sp	CIS 1020
CIS 1135	Obj-Orntd Analys/Design	3	A	CIS 1130
CIS 1520	Operating Systems	3	A	
CIS 2600	Fund of Database Mgt	3	A	CIS 1030 or concurrently
CIS 2650	Oracle	3	F, Sp	CIS 2010
CIS 2990	Special Topics	1-3	A	
ART 2140	Advanced Photoshop	2	A	ART 1360 or ART 1810 or ART 2340
ART 2610	Multimedia Authoring	2	A	ART 2440

NOTE: CIS 1030 and CIS 1130 must be completed with a B grade or better.

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ACCT 1110	3	CIS 1130	3
CIS 1030	3	CIS 2430	3
CIS 1430	3	ART 1800	3
CIS 1555	3	COMM 1010	3
MATH 1010	4	MKTG 1010	2
OR		OR	
FIN 1380	3	MKTG 1960	3
Total	**15-16**	**Total**	**14-15**
FALL SEMESTER		**SPRING SEMESTER**	
CIS 2350	3	MGT 1100	3
CIS 2420	3	ELEC	5
CIS 2470	3	ENGL 1010	3
ART 1810	2	CIS 2150	3
ELEC	3	DISTRIBUTION	3
DISTRIBUTION	3		
Total	**17**	**Total**	**17**

Advising Notes: Recommended students take BUS 1050 as Interdisciplinary (ID) General Education course and ECON 1010 as Social Science (SS) General Education course.

MOBILE APPLICATION DEVELOPMENT – CERTIFICATE OF PROFICIENCY[CTE] 18 credits minimum

Computer Sciences and Paralegal Studies Division
Taylorsville Redwood Campus, BB 109
General Information, (801) 957-4073
Program Information, (801) 957-5150
http://www.slcc.edu/cis
Academic Advisor, BB 209, (801) 957-4286

Program Faculty:
Professors – Jimmy Chen, Gordon Frisbey, Susumu Kasai, Lorna Wells, Bruce Worthen
Associate Professors – Paul Anstall, Robert Baird, Randy Koziatek, Philip Nielson
Assistant Professors – Edward Walsh, Rod Buhler, Marilyn Hibbert
Instructors – Dan Pope

Program Description: Developing software for mobile devices such as the iPhone, Droid, and iPad requires a unique set of skills. This Certificate of Proficiency includes courses to teach students these skills. The student entering this program must have programming experience in an object oriented language such as Java, C++, C#, or Objective C. This experience should be equivalent to CIS 1130 or CS 1410.

Career Opportunities: There is a great demand for mobile application developers in business and industry. In general, these skills must be accompanied by additional skills and competencies. To this end, in the future, this program may be used as a stackable credential for other CSIS AS or AAS degrees.

NOTE: This Certificate of Proficiency is **not** eligible for financial aid. However, courses within the certificate may be eligible if taken as part of a financial aid eligible program. Please check with the Financial Aid Office to determine if your classes are eligible.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
From a set of requirements: analyze, design, code, test and document programs to meet requirements.	1 – Substantive Knowledge
Create a functional user interface that is easy to navigate.	1 – Substantive Knowledge
Design database solutions for business problems.	1 – Substantive Knowledge
Analyze a set of requirements for software solutions.	4 – Think Critically 2 – Communicate Effectively
Recognize the ethical considerations of utilizing technology in business.	5 – Civic Engagement and/or Working Professionally

REQUIRED COURSES: (12 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CIS 1555	SQL Programming	3	F,Sp	CIS 1055 or Coreq: CIS 1055
CSIS 1080	XML and Decl Prog	3	Sp	CIS 1030 or CS 1400 or equivalent programming experience
CSIS 2630	Android App Dev	3	F	CIS 1130 or CS 1410 or equivalent programming experience
CSIS 2640	Mobile IOS App Dev	3	Sp	Recommended: CIS 1130 or CS 1410 or equivalent programming experience

ELECTIVE COURSES: (SELECT 6 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
ART 1800	Dig Media Essentials	4	Sp	
ART 2440	Website Design	3	F, Sp	ART 1280 or ART 1800
CIS 2350	UNIX/LINUX Admin	3	F, Sp	CIS 1020
CIS 2430	Web Programming	3	Sp	CIS 1430 and 2420
CS 2560	Object Orient Prog	2	Sp	ART 2440

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
CIS 1555	3	CSIS 1080	3
CSIS 2630	3	CSIS 2640	3
ELEC	3	ELEC	3
Total	**9**	**Total**	**9**

COMPUTER SCIENCE – ASSOCIATE OF SCIENCE (AS) 65 credits minimum

Computer Sciences and Paralegal Studies Division
Taylorsville Redwood Campus, BB 109
General Information, (801) 957-4073
Program Information, (801) 957-5150
http://www.slcc.edu/cs
Academic Advisor, BB 209, (801) 957-4286

Program Faculty:
Professors – Jimmy Chen, Gordon Frisbey, Susumu Kasai, Lorna Wells, Bruce Worthen
Associate Professors – Paul Anstall, Robert Baird, Randy Koziatek, Philip Nielson
Assistant Professors – Edward Walsh, Rod Buhler, Marilyn Hibbert
Instructors – Dan Pope

Program Description: The IEEE and the Association for Computing Machinery (ACM) in the *Computing Curricula 2005: The Overview Report* has identified these major computing disciplines:

1. Electrical Engineering
2. Computer Engineering
3. Computer Science
4. Software Engineering
5. Information Technology
6. Information Systems

The degrees offered by the Computer Sciences and Information Systems department at Salt Lake Community College focus on the areas of Computer Science and Information Technology (Network Systems). The degree offerings are designed for transfer to 4-year institutions throughout the state of Utah, and share these elements in the SLCC CSIS body of knowledge:

- Teamwork
- Desktop operating systems
- Technical skills
- The web
- Disaster recovery
- Hardware
- Database
- Legal issues
- Information literacy
- Computer literacy

The Computer Science degree at Salt Lake Community College prepares future software engineers through a hands-on team-centered approach to design, implement and test software using a contemporary object oriented language so they can enter the workforce and/or pursue a Bachelor's degree in Computer Science.

This is accomplished by following the SLCC CS Software Engineering Model:

1. Problem statement and glossary
2. Use case and scenarios
3. Activity diagram
4. Preliminary UI design
5. Role/object mapping
6. Sequence/collaboration diagram
7. Class diagram
8. Static model
9. UI design
10. Data store
11. Documentation
12. Unit tests
13. Code
14. Integration testing
15. Acceptance testing

Career Opportunities: Students specializing in early childhood will be prepared to work with children in family child care or child care centers as teachers and/or directors.

Transfer/Articulation Information: The Computer Science degree is designed to seamlessly transfer to Computer Science programs throughout the state of Utah, including Dixie State College, Southern Utah University, University of Utah, Utah State University, Utah Valley University, Weber State University and Westminster College. For specific transfer information, visit the CSIS Academic Advisor and/or visit the CSIS department web page.

Listed below are recommended general education and CS elective courses. For specific transfer information, visit the CSIS Academic Advisor and/or visit the CSIS department web page.

UNIVERSITY OF UTAH
Student Choice: Choose a depth course in Fine Arts, Humanities, or Social Science. BIOL 1610/1615, MATH 1220 and PHYS 2210.

UTAH STATE UNIVERSITY
COMM 1020, PHIL 1130, MATH 1220, PHYS 2210/2215 and PHYS 2220/2225.

UTAH VALLEY UNIVERSITY
COMM 1020, COMM 2110, MATH 1220, PHYS 2210/2215, and PHYS 2220/2225.

WEBER STATE UNIVERSITY
Student Choice select a COMM course, ENGL 2010, MATH 1040 or 1220, CS 1200 and CS 1201 or CS 1202, CIS 2340, CIS 2600

WESTMINSTER COLLEGE
ENGL 2010, COMM 1020, LANG 1010 and 1020, and MATH 1220.

Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information, also available at the Utah System of Higher Education website: www.utahsbr.edu/hel02a.html.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters..

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1. Implement object-oriented design and development using a contemporary object-oriented language. 2. Develop web applications. 3. Install, configure and manage Linux OS on a personal computer.	1 – Substantive Knowledge
1. Communicate effectively in writing. 2. Communicate effectively verbally.	2 – Communicate Effectively
1. Understand discrete mathematics and algebraic structures as applied to computer science	3 – Develop Quantitative Literacy
1. Extract relevant data from complex information, process it appropriately, and draw reasonable conclusions.	4 – Think Critically
1. Understand the ethical considerations of computing. 2. Participate as a member of a student team during a semester long software development project.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better
OR				
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1210	Calculus I	4	A	Within the last year, MATH 1060 or MATH 1080 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM1010	Intro to Comm	3	A	
OR				
COMM 1020	Prin Public Speaking	3	A	
OR				
DEPTH				

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3
Physical Science (PS)	3

REQUIRED COURSES: (23 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CS 1030	Connected Computing	3	A	
CS 1032	Open Source Linux Dsktp	2	A	CS 1030 can be taken concurrently
CS 1400	Comp Science Fundmtls	4	A	CS 1030 can be taken concurrently
CS 1410	Object Oriented Prgming	4	A	CS 1400
CS 2420	Algthms & Data Structures	4	A	CS 1410
CS 2430	Discrete Structures	3	F, Sp	CS 2420
CS 2450	Software Engineering	3	F, Sp	CS 1410

PROGRAMMING ELECTIVE COURSES: (SELECT 3 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
CS 2520	InterProg in VB	3	Sp	CS 2420
CS 2530	InterProg in C#	3	F	CS 2420
CS 2540	InterProg in C++	3	F	CS 2420
CS 2550	Adv Java Prog	3	Sp	CS 2420

ELECTIVE COURSES: (SELECT 4 CREDITS FROM THE FOLLOWING)

COURSE				
MATH 1220	Calculus II	4	A	Within the last year MATH 1210 w/C grade or better
MATH 1040	Statistics	3	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score
PHYS 2210	Phys F/Sci & Eng I	4	A	MATH 1210; Recommended coreq: PHYS 2215

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
CS 1030	3	CS 1410	4
CS 1032	2	ELEC	4
CS 1400	4	ENGL 2010/2100	3
ENGL 1010	3	MATH 1210	4
DISTRIBUTION	3	DISTRIBUTION	3
Total	**15**	**Total**	**18**
FALL SEMESTER		**SPRING SEMESTER**	
CS 2420	4	CS 2430	3
CS 2450	3	PROG ELEC	3
AI	3	STUDENT CHOICE	3
DISTRIBUTION (2)	6	HLAC	1
		DISTRIBUTION (2)	6
Total	**18**	**Total**	**15**

Advising Notes: It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. Students with significant work experience or background knowledge may wish to contact the Department Chair to see if a prerequisite may be waived. Students who need to take preparatory classes to meet the requirements for the first semester should plan on extra time to complete the program.

Cooperative education is the College's strategy for recognizing and rewarding new learning associated with study-related employment in a business, industrial or government work environment. Computer Science students wishing to take CS 2000 need to be on-campus 4 distinct times throughout the semester. The first meeting will be the CS Department Cooperative Education Orientation, where students will see previous projects, understand how the cooperative education process works, and discuss course expectations. Students wishing to take CS 2000 should complete the prerequisite, register for the course, and attend the scheduled meeting days and times for the course. For additional information, visit the Computer Science department web page.

NETWORK SYSTEMS – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 66 credits minimum

Computer Sciences and Paralegal Studies Division
Taylorsville Redwood Campus, BB 109
General Information, (801) 957-4073
Program Information, (801) 957-5150
http://www.slcc.edu/cs
Academic Advisor, BB 209, (801) 957-4286

Program Faculty:
Professors – Jimmy Chen, Gordon Frisbey, Susumu Kasai, Lorna Wells, Bruce Worthen
Associate Professors – Paul Anstall, Robert Baird, Randy Koziatek, Philip Nielson
Assistant Professors – Edward Walsh, Rod Buhler, Marilyn Hibbert
Instructors – Dan Pope

Program Description: The relentless pace of technology and the critical dependence of today's global businesses on technology have created two significant problems. For large businesses with dedicated IT staff, the problem is a lack of time for training IT professionals on new and emerging technologies. For smaller companies, the problem is even more acute: they also need cutting-edge technology, but can't afford a separate IT staff. This means they must either outsource their IT—which can be a competitive disadvantage—or they rely on the "computer guru", who is typically an individual with little to no formal IT training but likes computers and can solve some computer problems when they arise.

The Network Systems degree at Salt Lake Community College prepares individuals with an appropriate blend of vendor-neutral base knowledge and practical, hands-on labs to become the lone IT staff member in a company of 50-75 employees.

This is accomplished in the following core areas of the Network Systems program:

- Data center
- Desktop management
- Email
- Operating systems
- Physical infrastructure
- Security
- Software management
- Storage
- Unified communication
- Virtualization

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1. Perform network management tasks. 2. Understand network security risks. 3. Categorize and route network traffic. 4. Deploy and manage Virtual Machines.	1 – Substantive Knowledge
1. Communicate effectively in writing. 2. Communicate effectively verbally.	2 – Communicate Effectively
1. Install, terminate and troubleshoot wired and wireless network systems.	4 – Think Critically
1. Identify common network vulnerabilities and implement mitigating solutions. 2. Design database services. 3. Design enterprise mail and web services.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Interm Algebra	4	A	RDG 0990; within the last year MATH 0990 w/C grade or better or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (6 CREDITS)

Choose an additional six credits from at least two of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (48 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CS 1030	Connected Computing	3	A	
CS 1032	Open Source Linux Dsktp	2	A	CS 1030 can be taken concurrently
CSIS 1110	Data Cabling Basics	3	F, Sp	
CSIS 1120	Wireless Networking	3	A	CS 1030
CSIS 1121	CompTIA A+ Essentials	3	F, Sp	
CSIS 1122	Linux System Admin I	3	F, Sp	
CSIS 1125	Intro MS Windows Desktop	3	F, Sp	
CSIS 1200	Protocol Mechanics	3	A	
CSIS 1250	Cisco Routing Switching I	3	A	
CSIS 1251	Cisco Routing Switching II	3	F	CSIS 1250
CSIS 2050	Basic Comp/Ntwk Security	3	F, Sp	
CSIS 2110	Mng MS Win/Ntwk Infstr	3	F, Sp	
CSIS 2120	Mng MS Win/ Active Dir	3	F, Sp	CSIS 2120
CSIS 2130	Mng MS Win/Server Admin	3	F, Sp	CSIS 2130
CSIS 2132	Linux Enterprise Admin II	3	F, Sp	CSIS 2132
CS/CSIS	Electives	3		

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
CS 1030	3	CSIS 1250	3
CSIS 1200	3	CSIS 1110	3
CSIS 1121	3	CSIS 1120	3
CSIS 1032	2	CSIS 1125	3
ENGL 1010	3	COMM	3
HR	2-3	DISTRIBUTION	3
Total	**16-17**	**Total**	**18**

FALL SEMESTER		SPRING SEMESTER	
CSIS 1251	3	CSIS 2120	3
CSIS 1122	3	CSIS 2130	3
CSIS 2050	3	CSIS 2132	3
CSIS 2110	3	DISTRIBUTION	3
MATH 1010	4	CS/CSIS ELEC	3
Total	**16**	**Total**	**15**

Advising Note: Students should meet with the Computer Science Information Systems Academic Advisor before beginning or in the early part of the program; Taylorsville Redwood Campus, BB 209, for appointments call (801) 957-4978 or (801) 957-4990.

CONSTRUCTION MANAGEMENT – ASSOCIATE OF SCIENCE[CTE] (AS) 63 credits minimum

Division of Technical Specialties
Taylorsville Redwood Campus, CT
General Information, (801) 957-4073
Program Information, (801) 957-4346
http://www.slcc.edu/construction
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Associate Professors –Chad Fail, Curtis Barnett
Instructors – Boyd Johnson

Program Description: This program is designed to teach construction management and sustainable building methods that address the green building and energy conservation demands of today. It is designed to allow students to transfer to various construction management related programs. The program provides student with an in-depth educational experience in construction management coursework. It is a building block toward a BS degree in Construction Management or related fields.

Career Opportunities: Entry level construction management positions.

Transfer/Articulation Information: For information regarding transfer options, please contact the SLCC Program Advisor at (801) 957-4550. Student may also contact the University Center, www.slcc.edu/universitycenter/programs, or call (801) 957-4824. See UVU – Technology Management – Construction Management Option.

Estimated Cost for Students: For tuition and student fees see http://www.slcc.edu/cashiering/tuitionfees.asp. Estimated cost of books $2000.

Estimated Time to Completion: If students follow the suggested sample schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
To prepare students for transfer to various construction management related programs.	1, 2, 3, 4, 5
To prepare students for employment in the construction industry.	1, 2, 3, 4, 5
To provide a continuing education for current working students who desire a degree for further job advancement.	1, 2, 3, 4, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better
OR				
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) CHOOSE ONE COURSE (3-5 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
MATH 1060	Trigonometry	3	A	RDG 0990; within last year MATH 1050 w/C grade or better or appropriate Accuplacer score
OR				
MATH 1080	Precalculus	5	A	Appropriate Accuplacer score within the last year.

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1020	Public Speaking	3	A	

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3

NOTE: Physical Science (PS) general education component is satisfied through pre-major coursework.

REQUIRED COURSES: (32 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ARCH 2060	Const Docm Fund	3	F	ARCH 1010 or CMGT 1010 or instructor approval
CMGT 1010	Res Const Materials & Methods	3	F, Sp	
CMGT 1150	Const Print Rdg & Graphics	3	F, Sp	
CMGT 2050	Concrete Theory	3	F, Sp	
CMGT 2200	Computer Apps for Construction	3	F, Sp	
CMGT 2210	Sustainable Project Mgnt	3	F, Sp	
CMGT 2240	Const Estimating	2	F, Sp	
CMGT 2470	Bldg Codes & Insp	2	F, Sp	
CMGT 2650	Green Build Standards	2	F, Sp	
SVT 1030	Surverying Field Tech I	3	A	SVT 1110 or MATH 1060
PHYS 2010	College Physics I	4	A	MATH 1060 or 1080. Recommended coreq: PHYS 2015
PHYS 2015	Physics Lab 1	1	A	MATH 1060 or 1080. Recommended coreq: PHYS 2010

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
CMGT 1010	3	CMGT 2050	3
CMGT 1150	3	ENGL 2010/2100	3
ENGL 1010	3	DISTRIBUTION (2)	6
MATH 1060/1080	3-5	SVT 1030	3
LW	1		
AI	3		
Total	**16-18**	**Total**	**15**

FALL SEMESTER		SPRING SEMESTER	
ARCH 2060	3	CMGT 2210	3
CMGT 2200	3	CMGT 2240	2
CMGT 2470	2	CMGT 2650	2
PHYS 2010	4	DISTRIBUTION (3)	9
PHYS 2015	1		
COMM 1020	3		
Total	**16**	**Total**	**16**

Advising Notes: It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the Construction Management program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

CONSTRUCTION MANAGEMENT AND SUSTAINABLE BUILDING – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 64 credits minimum

Division of Technical Specialties
Taylorsville Redwood Campus, CT
General Information, (801) 957-4073
Program Information, (801) 957-4346
http://www.slcc.edu/construction
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Associate Professors –Chad Fail, Curtis Barnett
Instructors – Boyd Johnson

Program Description: This program is dedicated to teaching sustainable construction methods that address the green building & energy conservation demands of today. It is designed to provide students with a practical hands-on experience in the areas of building construction, interior finishes & cabinetmaking, along with project management and business management courses. Upon completion students should be prepared to take the business law & trade examinations for state licensure. Students will be prepared for various trade certifications as well.

Career Opportunities: Entry level positions within a construction company with potential for rapid promotion. This is the first step toward starting a construction management or sub-contractor business.

Estimated Cost for Students: In addition to SLCC tuition and fees http://www.slcc.edu/cashiering/tuitionfees.asp, the estimated cost of books is $900. The estimated cost of personal tools & equipment is $250.

Estimated Time to Completion: If students follow the suggested sample schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
Students will explore construction and technology related topics which will enhance their ability to successfully compete in today's marketplace in the construction management industry.	1, 5
Students will make an informed selection as to a career in construction management or related technology. Students will pursue this career.	1, 4, 5
To prepare technicians for a variety of construction related occupations.	1, 2, 3 4, 5
Graduates of this program are prepared with entry level skills that result in accelerated advancement in their employment.	1, 2, 3 4, 5
Students will learn the necessary green & sustainable building practices that are being required by clients, architects, engineers and local and national building codes and standards	1, 2, 3 4, 5
Students from this program who participate in skill competitions against equivalent providers prevail at a higher rate than their competitors.	1, 2, 3 4, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
CMGT 1100	Construction Math	3	F	

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1020	Public Speaking	3	A	

HUMAN REALTIONS (HR) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
LE 1220	Human Relations	3	A	

DISTRIBUTION AREAS:

Choose one course (three credit hours) from one of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3

REQUIRED COURSES: (43 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CMGT 1030	Intro to Const & Safety	2	F, Sp	
CMGT 1045	Building Construction I	4	F	
CMGT 1145	Interior Finishes I	4	Sp	
CMGT 1150	Const Print Rdg & Graphics	3	F, Sp	
CMGT 1245	Cabntmkng & Renewable Mat I	4	F, Sp	
CMGT 2045	Building Construction II	4	F	CMGT 1045 (may be taken concurrently)
CMGT 2145	Interior Finishes II	4	Sp	CMGT 1145 (may be taken concurrently)
CMGT 2200	Computer Apps for Const	3	F, SP	
CMGT 2210	Sustainable Project Mgnt	3	F, SP	
CMGT 2235	Cabnt & Renewable Mat II	4	F, Sp	CMGT 1245 (may be taken concurrently)
CMGT 2240	Const Estimating	2	F, Sp	
CMGT 2470	Bldg Codes & Insp	2	F, Sp	
CMGT 2610	Build Energy Systems	2	Sp	
CMGT 2650	Green Build Standards	2	F, Sp	

ELECTIVE COURSES: (SELECT 6 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
ARCH 1310	Intro to AutoCAD	3	F	
CMGT 1010	Res Const Materials & Methods	3	F, Sp	
CMGT 1200	Personal Projects	2	F, Sp	
CMGT 1225	Woodworking & Millwork I	4	F	
CMGT 2050	Concrete Theory	3	F, Sp	
CMGT 2120	Furniture Design & Const I	3	F	
CMGT 2710	Computer Apps for Cabinet	3	F	
SVT 1030	Survey Field Tech	3	F	SVT 1110 or MATH 1060

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
CMGT 1030	2	CMGT 1145	4
CMGT 1100	3	CMGT 2145	4
CMGT 1045	4	CMGT 1150	3
CMGT 2045	4	CMGT 2240	2
COMM 1020	3	CMGT 2610	2
Total	**16**	**Total**	**15**
FALL SEMESTER		**SPRING SEMESTER**	
CMGT 1245	4	CMGT 2200	3
CMGT 2235	4	CMGT 2210	3
CMGT 2470	2	CMGT 2650	2
ELEC	3	LE 1220	3
DISTRIBUTION	3	ENGL 1010	3
		ELEC	3
Total	**16**	**Total**	**17**

Advising Notes: It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the Construction Management and Sustainable Building program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

CABINETMAKING AND FURNITURE CONSTRUCTION – CERTIFICATE OF COMPLETION[CTE]

31 credits minimum

Division of Technical Specialties
Taylorsville Redwood Campus, CT
General Information, (801) 957-4073
Program Information, (801) 957-4346
http://www.slcc.edu/construction
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Associate Professors –Chad Fail, Curtis Barnett
Instructors – Boyd Johnson

Program Description: This certificate is designed to provide students with a solid base of knowledge and skills relative to the woodworking, furniture & cabinetmaking fields. It is an introduction to materials that promote the responsible use of natural resources and sustainability. Skills in traditional woodworking tools along with the safe operation of power equipment will be taught. Advanced instruction with sophisticated computer software and computer operated CNC equipment are included.

Career Opportunities Entry Level Woodworking & Cabinetmaking jobs with potential for rapid promotion.

Estimated Cost for Students: In addition to SLCC tuition and fees http://www.slcc.edu/cashiering/tuitionfees.asp.
Estimated cost of $700 for student woodworking projects, $500 Books & Supplies and $100-300 Personal Tools & Equipment.

Estimated Time to Completion: If students follow the suggested sample schedule, time to completion is two semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
Students will learn math skills related to the construction and cabinetmaking discipline	1, 3, 4
Students will gain a competent knowledge of joinery, materials, techniques, and wood characteristics.	1, 4, 5
Students will learn kitchen and bath design principles and how to apply them using computer software.	1, 2, 4, 5
Students will gain an introductory knowledge in the use of CNC technology and be able to successfully complete basic programs	1, 4, 5
Students will learn the safe and proper use of hand and power tools.	1, 4, 5
Students will learn principles of wood finishing including the use of green and sustainable wood finishes.	1, 4, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
CMGT 1100	Construction Math	3	F	

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1020	Public Speaking	3	A	

HUMAN REALTIONS (HR) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
LE 1220	Human Relations	3	A	

REQUIRED COURSES: (22 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CMGT 2710	Computer Apps for Cabinetmaking	3	F	
OR				
EDDT 1040	Intro to AutoCAD	3	A	
OR				
ARCH 1310	Intro to AutoCAD	3	A	
CMGT 1225	Woods & Millwork I	4	F	
CMGT 1245	Cabntmkng & Renewable Mat I	4	F, Sp	
CMGT 2120	Furniture Design & Const I	3	F	
CMGT 2235	Cabntmkng & Renewable Mat II	4	F, Sp	CMGT 1245 (may be taken concurrently)
CMGT 2435	Woods & Millwork II	4	Sp	CMGT 1225

ELECTIVE COURSES:

COURSE		CR	SEM	PREREQUISITE
CMGT 1110	Birth of a Flute	3	F, Sp	
CMGT 1200	Personal Projects	2	A	
CMGT 2450	Furniture Design & Const II	3	Sp	CMGT 2120
CMGT 2720	Intro to CNC Operations	3	F	

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
CMGT 1100	3	CMGT 1245	4
CMGT 1225	4	CMGT 2235	4
CMGT 2120	3	CMGT 2435	4
CMGT 2710	3	COMM 1020	3
LE 1220	3		
Total	**16**	**Total**	**15**

Advising Notes: It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the Cabinetmaking and Furniture Construction program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

SUSTAINABLE BUILDING CONSTRUCTION – CERTIFICATE OF COMPLETION[CTE]

33 credits minimum

Division of Technical Specialties
Taylorsville Redwood Campus, CT
General Information, (801) 957-4073
Program Information, (801) 957-4346
http://www.slcc.edu/construction
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Associate Professors –Chad Fail, Curtis Barnett
Instructors – Boyd Johnson

Program Description: This program is dedicated to teaching sustainable construction methods that address the green building & energy conservation demands of today. It is designed to provide students with a practical hands-on experience in the areas of building construction and interior finishes. It is designed to be a building block toward the Construction Management & Sustainable Building AAS degree.

Career Opportunities: Various entry level positions within a construction company with potential for rapid promotion.

Estimated Cost for Students: In addition to SLCC tuition and fees http://www.slcc.edu/cashiering/tuitionfees.asp, the estimated cost of books is $900. The estimated cost of personal tools & equipment is $250.

Estimated Time to Completion: If students follow the suggested sample schedule, time to completion is two semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
Students will explore construction and technology related topics which will enhance their ability to successfully compete in today's marketplace in the construction management industry.	1, 2, 3 4, 5
Students will learn the necessary green & sustainable building practices that are being required by clients, architects, engineers and local and national building codes.	1, 2, 3 4, 5
Students will make an informed selection as to a career in construction management or related technology. Students will pursue this career.	1, 2, 3 4, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
CMGT 1100	Construction Math	3	F	

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1020	Public Speaking	3	A	

HUMAN REALTIONS (HR) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
LE 1220	Human Relations	3	A	

REQUIRED COURSES: (25 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CMGT 1030	Intro to Construc & Safety	2	F,Sp	
CMGT 1045	Building Construction I	4	F	
CMGT 1145	Interior Finishes I	4	Sp	
CMGT 1150	Const Print Rdg & Graphics	3	F,Sp	
CMGT 2045	Building Construction II	4	F	CMGT 1045 (may be taken concurrently)
CMGT 2145	Interior Finishes II	4	Sp	CMGT 1145 (may be taken concurrently)
CMGT 2610	Building Energy Systems	2	Sp	
CMGT 2650	Green Building Standards	2	F,Sp	

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
CMGT 1030	2	CMGT 1145	4
CMGT 1100	3	CMGT 2145	4
CMGT 1045	4	CMGT 1150	3
CMGT 2045	4	CMGT 2610	2
COMM 1020	3	CMGT 2650	2
		HR	2-3
Total	**16**	**Total**	**17**

Advising Notes: It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the Sustainable Building Construction program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

CRIMINAL JUSTICE – ASSOCIATE OF SCIENCE (AS) 64 credits minimum

Institute of Public Safety
Miller Campus, PSET 270
General Information, (801) 957-4073
Program Information, (801) 957-5320
http://www.slcc.edu/criminaljustice
Academic Advisor, PSET 270J, (801) 957-5320

Program Faculty:
Assistant Professors – John Hill
Instructors – Joseph Anderson, Gary Cox, John Minichino

Program Description: The Criminal Justice program is designed to provide students with a basic liberal education as well as offer students professional education in criminal justice. Students are encouraged to contact academic advising for transfer information.

Two degrees are offered in the program: an associate of science degree for students who plan to transfer to a four-year program and an associate of applied science degree for students who plan to go directly to work. Students should check with an advisor in selection of General Education and elective classes to coordinate with the appropriate career track at the transfer institution.

Career Opportunities: A Criminal Justice education prepares students for a career and higher education options included, but not limited to areas of Law Enforcement, Corrections, Homeland Security, Probation and Parole, Federal Law Enforcement and Forensics, or as background for the pursuit of degrees varying from Pre-Law to Sociology.

Transfer/Articulation Information: Listed below are recommended transfer courses:

WESTMINSTER COLLEGE – COMM 1020

UTAH VALLEY UNIVERSITY – CJ 1300, CJ 2330, MATH 1050

WEBER STATE UNIVERSITY – CJ 1300, CJ 2330, MATH 1040

Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Estimated Cost for Students: Tuition & books each semester

Estimated Time to Completion: If students follow the suggested sample schedule, completion time is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
Acquire substantive knowledge within Criminal Justice	1 – Substantive Knowledge
Develop effective communication skills	2 – Communicate Effectively
Foster quantitative literacy	3 – Develop Quantitative Literacy
Promote critical thinking	4- Think Critically
Enhance awareness, knowledge and skills to be civically engaged	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better
OR				
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) (3-4 CREDITS)

COURSE		CR	SEM	PREREQUISITE
MATH 1030	Quant Reas	3	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score
OR				
MATH 1040	Intro to Statistics	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score
OR				
MATH 1050	College Algebra	4	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem of Eff Comm	3	A	

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3
Physical Science (PS)	3

REQUIRED COURSES: (15 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CJ 1010	Criminal Justice	3	A	
CJ 1330	Criminal Law	3	A	CJ 1010
CJ 1340	Criminal Invest	3	A	CJ 1010
CJ 1350	Intro to Forensic Sci	3	A	Recommended: CJ 1340
CJ 2350	Laws Evidence	3	A	CJ 1010 and 1330

ELECTIVE COURSES: (SELECT 15 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
CJ 1300	Intro to Corrections	3	A	CJ 1010 or instructor approval
CJ 1360	Homeland Security	3	F, Sp	CJ 1010
CJ 1900	Special Studies	1-24	A	
CJ 2000	CO-OP	2-4	F, Sp	CJ 1010, 1330, 1340, 1350, and 2350
CJ 2020	CJ Supervision	3	F, Sp	CJ 1010
CJ 2060	Community Cor	3	F, Sp	CJ 1010
CJ 2110	Intro Security	3	F, Sp	CJ 1010
CJ 2260	Cont Prison/Jail	3	F, Sp	CJ 1010
CJ 2330	Juvenile Justice	3	A	CJ 1010
CJ 2390	Traffic Law	3	F, Sp	CJ 1010
CJ 2410	Intro Victimology	3	A	CJ 1010
CJ 2420	Homicide Investig	3	A	CJ 1010
CJ 2440	Organized Crime	3	A	CJ 1010
CJ 2450	Terrorism	3	A	CJ 1010
CJ 2460	Psych Profiling	3	A	CJ 1010

CJ 2470	Intro Criminology	3	A	CJ 1010
CJ 2480	Crime Scene Proc	3	F, Sp	CJ 1010, CJ 1350
CJ 2490	Drug Trafficking	3	A	CJ 1010
CJ 2500	Contemp Violence	3	F, Sp	CJ 1010
CJ 2510	Criminal Behavior	3	A	CJ 1010
CJ 2530	Police Patrol Tech	3	A	CJ 1010
CJ 2540	Careers in Law Enf	3	F, Sp	CJ 1010
CJ 2550	Emergency Mangmt	3	F, Sp	
CJ 2560	Law Enf Documentation	3	F, Sp	CJ 1010
CJ 2920	Special Topics CJ	1-3	A	
COMM 1020	Prin Public Speaking	3	A	
COMM 1610	Reporting/Writing	3	F, Sp	ENGL 1010
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better or appropriate Accuplacer score
FIN 1050	Personal Finance	3	A	
POLS 1110	State/Local Govt	3	Sp	
SOC 1010	Intro to Sociology	3	A	
SOC 2630	Ethnic Min	2	F, Sp	SOC 1010
SW 2280	Drug/Alcohol Abuse	2	F, Sp	SW 1010

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
CJ 1010	3	CJ 1330	3
COMM 1010	3	CJ 1340	3
ENGL 1010	3	ENGL 2010	3
QL	3-4	HLAC	1
AI	3	DISTRIBUTION (2)	6
DISTRIBUTION	3		
Total	**18-19**	**Total**	**16**
FALL SEMESTER		**SPRING SEMESTER**	
CJ 1350	3	DISTRIBUTION (2)	6
CJ 2350	3	ELEC	9
DISTRIBUTION	3		
ELEC	6		
Total	**15**	**Total**	**15**

Advising Notes: PSY 1010 or SOC 1010 are recommended for students transferring to Weber State University.

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. Students who need to take preparatory classes to meet the requirements for the first semester should plan on extra time to complete the program.

Twenty-four credit hours of vocational-technical credit may be awarded to those individuals who successfully complete POST certified peace officer basic and special functions reserve officer training.

CRIMINAL JUSTICE – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 69 credits minimum

Institute of Public Safety
Miller Campus, PSET 270
General Information, (801) 957-4073
Program Information, (801) 957-5320
http://www.slcc.edu/criminaljustice
Academic Advisor, Miller Campus, PSET 270J, (801) 957-5320

Program Faculty:
Assistant Professors – John Hill
Instructors – Joseph Anderson, Gary Cox, John Minichino

Program Description: The Criminal Justice program is designed to provide students with a basic liberal education as well as offer students professional education in criminal justice. Students are encouraged to contact academic advising for transfer information.

Two degrees are offered in the program: an associate of science degree for students who plan to transfer to a four-year program and an associate of applied science degree for students who plan to go directly to work. Students should check with an advisor in selection of General Education and elective classes to coordinate with the appropriate career track at the transfer institution.

Career Opportunities: A Criminal Justice education prepares students for a career and higher education options included, but not limited to areas of Law Enforcement, Corrections, Homeland Security, Probation and Parole, Federal Law Enforcement and Forensics, or as background for the pursuit of degrees varying from Pre-Law to Sociology.

Transfer/Articulation Information: Courses transfer as electives and may also apply towards major course requirements.

Estimated Cost for Students: Tuition & Books each semester

Estimated Time to Completion: If students follow the suggested sample schedule, completion time is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
Acquire substantive knowledge within Criminal Justice.	1 – Substantive Knowledge
Develop effective communication skills.	2 – Communicate Effectively
Foster quantitative literacy.	3 – Develop Quantitative Literacy
Promote critical thinking.	4 – Think Critically
Enhance awareness, knowledge and skills to be civically engaged .	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Intermed Algebra	4	A	RDG 0900 w/C or better and within the past year, MATH 0990 w/C grade or better, or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem of Eff Comm	3	A	

HUMAN RELATIONS (HR) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
LE 1220	Human Relation	3	A	

DISTRIBUTION AREAS: (6 CREDITS)

Choose an additional two courses (six credits) from two of the following distribution areas:

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (15 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CJ 1010	Criminal Justice	3	A	
CJ 1330	Criminal Law	3	A	CJ 1010
CJ 1340	Criminal Invest	3	A	CJ 1010
CJ 1350	Intro to Forensic Sci	3	A	Recommended: CJ 1340
CJ 2350	Laws Evidence	3	A	CJ 1010 and 1330

ELECTIVE COURSES: (SELECT 35 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
CJ 1300	Intro to Corrections	3	A	CJ 1010 or instructor approval
CJ 1360	Homeland Security	3	F, Sp	CJ 1010
CJ 1900	Special Studies	1-24	A	
CJ 2000	CO-OP	2-4	F, Sp	CJ 1010, 1330, 1340, 1350, and 2350
CJ 2020	CJ Supervision	3	F, Sp	CJ 1010
CJ 2060	Community Cor	3	F, Sp	CJ 1010
CJ 2110	Intro Security	3	F, Sp	CJ 1010
CJ 2260	Cont Prison/Jail	3	F, Sp	CJ 1010
CJ 2330	Juvenile Justice	3	A	CJ 1010
CJ 2390	Traffic Law	3	F, Sp	CJ 1010
CJ 2410	Intro Victimology	3	A	CJ 1010
CJ 2420	Homicide Investig	3	A	CJ 1010
CJ 2440	Organized Crime	3	A	CJ 1010
CJ 2450	Terrorism	3	A	CJ 1010
CJ 2460	Psych Profiling	3	A	CJ 1010
CJ 2470	Intro Criminology	3	A	CJ 1010
CJ 2480	Crime Scene Proc	3	F, Sp	CJ 1010, CJ 1350
CJ 2490	Drug Trafficking	3	A	CJ 1010
CJ 2500	Contemp Violence	3	F, Sp	CJ 1010
CJ 2510	Criminal Behavior	3	A	CJ 1010
CJ 2530	Police Patrol Tech	3	A	CJ 1010
CJ 2540	Careers in Law Enf	3	F, Sp	CJ 1010
CJ 2550	Emergency Mangmt	3	F, Sp	
CJ 2560	Law Enf Documentation	3	F, Sp	CJ 1010
CJ 2920	Special Topics CJ	1-3	A	
COMM 1020	Prin Public Speaking	3	A	
COMM 1610	Reporting/Writing	3	F, Sp	ENGL 1010
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better or appropriate Accuplacer score
FIN 1050	Personal Finance	3	A	
POLS 1110	State/Local Govt	3	Sp	
SOC 1010	Intro to Sociology	3	A	
SOC 2630	Ethnic Min	2	F, Sp	SOC 1010
SW 2280	Drug/Alcohol Abuse	2	F, Sp	SW 1010

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
CJ 1010	3	CJ 1330	3
COMM 1010	3	CJ 1340	3
ENGL 1010	3	DISTRIBUTION	3
LE 1220	3	ELEC	8
MATH 1010	4		
Total	**16**	**Total**	**17**
FALL SEMESTER		**SPRING SEMESTER**	
CJ 1350	3	ELEC	15
CJ 2350	3	DISTRIBUTION	3
ELEC	12		
Total	**18**	**Total**	**18**

Advising Notes: It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. Students who need to take preparatory classes to meet the requirements for the first semester should plan on extra time to complete the program.

Twenty-four credit hours of vocational-technical credit may be awarded to those individuals who successfully complete POST certified peace officer basic and special functions reserve officer training.

CULINARY ARTS – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS)

63 credits minimum; plus 2,000 hours On the Job Training (OJT)

Management, Marketing and Culinary Arts Division
Larry Miller Campus, CART 102E
General Information, (801) 957-4073
Program Information, (801) 957-4483
http://www.slcc.edu/culinaryarts
Academic Advisor, Taylorsville Redwood Campus BB 132, (801) 957-4323

Program Faculty:
Associate Professors – Leslie Seiferle
Assistant Professors – Basil Chelemes
Instructors – James Bielefeld, Jackie Pappas, Bruce Johnson

Program Description: The Culinary Arts (CHEF) program requires five semesters to complete the curriculum as outlined by the American Culinary Federation Foundation Accrediting Commission (ACFFAC). Courses in the program also track the student through the National Restaurant Association's Manage First Program™. In addition to two years of related instruction, there is an on-the-job requirement of 2,000 hours where the work must be performed in a preapproved establishment with more than 50% of the food being prepared from scratch. Students have the option of accumulating 1000 hours (or 2 semesters) of the required 2000 hours in classroom production during optionally offered Capitol Dining and Catering classes.

PARTNERSHIP
The ManageFirst Program® culminates in the ManageFirst® Credential and provides educational curriculum designed to professionalize the workforce, particularly in the areas of food safety and restaurant management.

AFFILIATION
While proper technical skills are undeniably important to employers, so are employability skills including the ability to communicate, work on a team, resolve conflicts, confront ethical dilemmas and manage one's time. The Professional Development Program (PDP), a curriculum developed by SkillsUSA®, teaches these skills. Students enrolled in the Culinary Arts program encounter coursework in PDP that provides the tools to strengthen school-based learning, work-based learning and connecting activities as outlined in the School to Work Opportunities Act. All students enrolled in the culinary arts program are members of Skills USA, sponsor of the Professional Development Program (PDP).

Career Opportunities: Culinary Arts is a CTE (Career and Technical Education) program. Students in CTE programs are highly recruited by businesses and industries. SLCC has relationships with businesses and industries within the community and can help CTE graduates get into a career upon graduation. In some cases, students may be hired before they graduate and are able to complete their education at company expense. Opportunity increases from association with The American Culinary Federation, Inc. (ACF), a professional organization for chefs and cooks made up of more than 22,000 members belonging to more than 230 chapters across the U.S.

Transfer/Articulation Information: Students who earn an AAS degree in Culinary Arts have the option to transfer into the Technology Management Bachelor degree at Utah Valley University. UVU will accept up to 45 technical credits towards this degree. Contact the University Center for current information: http:www.slcc.edu/univeristycenter/programs

Program Entry Requirements: Entering students must prove competence for MATH 0950 by scoring 75 (or higher) in arithmetic and 35 (or higher) in algebra on the mathematics Accuplacer exam, or complete MATH 0950 or higher with a grade of C or better, or ACT math score of 15-17. Developmental math can be enrolled concurrently with first semester classes in culinary arts. Students also must prove competence for RDG 0990 by scoring 55-70 on the reading comprehension Accuplacer or completing RDG 900 with a grade of C or better and place into ENGL 1010 by completing WRTG 0990 with a C or better. Students are not permitted to enroll in lab courses until they achieve a ServeSafe Certification. This certificate can be obtained in CHEF 1110.

Estimated Cost for Students: Estimated costs of tools and supplies $228

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is five semesters.

Specialized Accreditation: Accreditation by American Culinary Federation Foundation Accrediting Commission (ACFFAC) assures that a program is meeting at least a minimum of standards and competencies set for faculty, curriculum and student services. ACFFAC is recognized by the Council on Higher Education Accreditation (CHEA). Salt Lake Community College is accredited by the American Culinary Federation Accrediting Commission (ACFFAC).

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1. All students seeking an AAS degree are required in four different lab classes to identify tasks and independently develop procedures that incorporate standards taught in prerequisite safety and sanitation classes. For example, the student might be concomitantly serving a three-course meal, making a chocolate cream pie, and doing a load of dishes while prioritizing tasks. Student grades are determined from observation of performance in the lab courses.	1 – Substantive Knowledge
2. To reinforce personal hygiene habits and food handling practices that protects the health of the consumer.	1 – Substantive Knowledge 2 – Communicate Effectively
3. All students seeking an AAS degree are required to take theory courses in communication, supervision, Career and Technical Education Leadership and human resource management. Student grades are determined from exam results as well as field projects that require them compare and contrast relevant characteristics that allow them to understand and solve complex problems.	1 – Substantive Knowledge 4 – Think Critically
4. All students seeking an AAS degree are required to apply mathematical skills to ciphering assignments required in marketing, human resources, menu management, cost control and purchasing. All students seeking an AAS degree are required to apply mathematical skills to recipe conversion, measuring and calculating yield in lab classes	1 – Substantive Knowledge 3 – Develop Quantitative Literacy
5. All students seeking an AAS degree are required to maintain graded journals/rubrics for logging daily and weekly efforts that are also used later in life for professional certification purposes	1 – Substantive Knowledge 2 – Communicate Effectively 4 – Think Critically 5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
CHEF 1320	Business Math (QS)	3	F	MATH 0900 w/C grade or better or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (3 CREDITS)

Choose an additional three credits from one of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4

Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

NOTE: CTEL 1010 and CTEL 1020 are recommended for students wishing to participate in SkillsUSA.

REQUIRED COURSES: (49 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CHEF 1110	Sanitation	3	A	
CHEF 1120	Intro Food Service	3	F	
CHEF 1130	Management of Marketing	3	F	
CHEF 1210	Food & Beverage Service	3	Sp	
CHEF 1220	Beginning Food Prep	3	A	CHEF 1110 w/ C grade or better (can be taken concurrently) or valid ServeSafe Certificate. Coreq: CHEF 1225
CHEF 1225	Beginning Food Prep Lab	3	A	CHEF 1110 w/C grade or better (can be taken concurrently) or valid ServeSafe Certificate. Coreq: CHEF 1220
CHEF 1310	Advanced Food Prep	3	A	CHEF 1220 and 1225; and 1110 w/C or better (can be taken concurrently) or valid ServeSafe Certificate. Coreq: CHEF 1315
CHEF 1315	Advanced Food Prep Lab	3	A	CHEF 1220 and 1225; and 1110 w/C or better (can be taken concurrently) or valid ServeSafe Certificate. Coreq: CHEF 1310
CHEF 1600	Herb Horticulture	1	Su	
CHEF 2410	Purchasing	3	Su	
CHEF 2420	Baking	3	A	CHEF 1225 and 1315; and 1110 w/C or better (can be taken concurrently) or valid ServeSafe Certificate. Coreq: CHEF 2460
CHEF 2460	Baking Lab	3	A	CHEF 1225 and 1315; and 1110 w/C or better (can be taken concurrently) or valid ServeSafe Certificate. Coreq: CHEF 2420
CHEF 2510	Garde Manger	3	A	CHEF 1110 w/C grade or better (can be taken concurrently) or valid ServeSafe Certificate. Coreq: CHEF 2560
CHEF 2520	Nutrition	3	F	
CHEF 2560	Garde Manger Lab	3	A	CHEF 1110 w/C grade or better (can be taken concurrently) or valid ServeSafe Certificate.
CHEF 2610	Menu Design	3	Sp	
CHEF 2620	Supervision Training	3	Sp	

ELECTIVE COURSES:

COURSE		CR	SEM	PREREQUISITE
CHEF 1299	Special Studies	2-5	A	Departmental approval
CHEF 1330	Foundation Wine	3		21 years of age minimum
CHEF 1810	Culinary Competitions	3	A	CHEF 1110 w/C grade or better (can be taken concurrently) or valid ServeSafe Certificate
CHEF 1896	Capitol Dining	3	A	CHEF 1110 w/C grade or better (can be taken concurrently) or valid ServeSafe Certificate
CHEF 2330	Adv French Wines	3	A	21 years of age minimum
CHEF 2680	Catering Management	3	A	CHEF 1110 w/C grade or better (can be taken concurrently) or valid ServeSafe Certificate

SAMPLE SCHEDULE

1st FALL SEMESTER		1ST SPRING SEMESTER	
CHEF 1110	3	CHEF 1220	3
CHEF 1120	3	CHEF 1225	3
CHEF 1130	3	CHEF 1310	3
CHEF 1320	3	CHEF 1315	3
ENGL 1010	3	CHEF 1210	3
Total	**15**	**Total**	**15**

1ST SUMMER SEMESTER			
CHEF 1600	1		
CHEF 2410	3		
CHEF 2420	3		
CHEF 2460	3		
Total	**10**		
2ND FALL SEMESTER		**2ND SPRING SEMESTER**	
CHEF 2510	3	CHEF 2610	3
CHEF 2520	3	CHEF 2620	3
CHEF 2560	3	DISTRIBUTION	3
HR	2-3	CM	3
Total	**11-12**	**Total**	**12**

Advising Notes: It is the student's responsibility to understand the requirement s for this degree as outlined above. If a student has any questions regarding the information listed above it is highly recommended the student meet with the program advisor.

DENTAL HYGIENE - ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 89 credits minimum

Dental Hygiene Department
Jordan Campus
Department Office & Phone, HTC 110, (801) 957-6074
http://www.slcc.edu/dentalhygiene
Academic Advising, JHS 047, (801) 957- 6407
Health Science Admissions, JHS 047, (801) 957-6363

Program Faculty:
Program Director – Laurel Sampson RDH, M.Ed
Instructors – Jodie Lopez, Renee Mendenhall

Program Description: The SLCC Dental Hygiene Program offers an Associate of Applied Science (AAS) degree which prepares graduates to practice entry level dental hygiene. Dental hygienists provide preventive and therapeutic health care services including oral health assessment & education, pit & fissure sealants, fluoride treatments, oral prophylaxis and advanced periodontal therapy; in addition to public dental health services.

Upon administrative approval, second-year SLCC dental hygiene students are eligible to take examinations required for licensure in all fifty states, including the written National Board Dental Hygiene Examination (NBDHE) and state or regional clinical examinations, such as the Western Regional Examination Board (WREB).

Career Opportunities: Dental hygienists may secure employment in a variety of settings, including private dental offices and clinics, schools, nursing homes, hospitals, public health facilities and other government agencies. Due to the unique nature of the profession, dental hygienists enjoy a flexible work schedule ideal for balancing career and lifestyle needs.

Program Entry Requirements:

ADMISSIONS CRITERIA

- High school diploma or equivalent
- Completion of admission prerequisites and general education with the required grades
- Possession of the essential skills & abilities required to fully participate in classroom, laboratory, and clinical activities
- Current *Health Care Provider* CPR certification
- Proof of all required immunizations
- Drug screening test
- Criminal background check
- HESI A2 Examination *(minimum score of 75% in each category, within 1 year of application)*
- CCTDI Critical Thinking Test
- 40 hours of clinical dental hygiene observation
- Completion of separate applications to both the college and the program

Note: See the dental hygiene webpage for essential information regarding completion of admission criteria at **www.slcc.edu/dentalhygiene**

ADMISSIONS PROCESS
Official sealed transcripts must be submitted from *ALL* colleges/universities where the student has completed college course work (*not* including SLCC). Transfer credits and overall GPAs are calculated in the admission selection process by the Health Sciences Admissions Office.

Students seeking admission to the Dental Hygiene program must first be admitted through SLCC Enrollment Services with a declared major of Health Sciences by completing the following:

- Submit application for general admission to SLCC
- Submit application fee
- Complete one of the following placement tests
    - ACT
    - SAT
    - *Accuplacer*

Note: These test scores are required for placement into Math & English courses at SLCC and in order for new students to register in any course.

In addition, program specific Math and English qualifications include:

MATH (one of the following)

- ***Accuplacer*** college level math score of 43 *(valid for 1 year)*
- ACT math score of 23 (*valid for 1 year)*
- MATH 1010 *(minimum grade of C)*

ENGLISH (one of the following)

- AP English credit *(must be listed on SLCC transcript)*
- CLEP English credit *(must be listed on SLCC Transcript)*
- ENGL 1010 Introduction to Writing *(minimum grade of C)*

REQUIRED PREREQUISITE COURSEWORK

Courses listed below must be completed with the noted grade requirements/conditions:

- With a minimum grade of B or better:

COURSE		CR	SEM	PREREQUISITE
BIOL 2060	Microbiology	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 2065
BIOL 2065	Microbiology Lab	0	A	Coreq: BIOL 2060
BIOL 2320	Human Anatomy	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 2325
BIOL 2325	Human Anatomy Lab	0	A	Coreq: BIOL 2320
BIOL 2420	Human Physiology	4	A	BIOL 1610 w/C grade or better; CHEM 1110 or CHEM 1210 w/C grade or better. Coreq: BIOL 2425
BIOL 2425	Human Physiology Lab	0	A	Coreq: BIOL 2420

- With a minimum grade of C+ or better:

COURSE		CR	SEM	PREREQUISITE
CHEM 1110	Elementary Chemistry	4	A	MATH 1010 or appropriate Accuplacer score. Recommended coreq: CHEM 1115
CHEM 1115	Elementary Chemistry Lab	1	A	MATH 1010 or appropriate Accuplacer score. Recommended coreq: CHEM 1110

- All science prerequisites must have been completed within the last five years

Note: It is the student's responsibility to examine each course description for details of other prerequisite classes. Those prerequisites must be satisfied before the designated program prerequisite course may be taken.

PROGRAM STIPULATIONS

SAFETY

Applicants who are enrolled in the SLCC dental hygiene program will be exposed to blood-borne pathogens and infectious diseases. The program strictly adheres to established policies and procedures regarding infection control as recommended by the Centers for Disease Control and Prevention (CDC), the American Dental Association (ADA), the Organization for Safety and Asepsis Procedures (OSAP) and the Occupational Safety and Health Administration (OSHA).

LICENSURE

Admission to or graduation from the SLCC Dental Hygiene Program does *NOT* guarantee the ability to obtain a license to practice dental hygiene. Licensure is the *exclusive* right and responsibility of the board of dentistry in each state. In order to practice dental hygiene, students must satisfy the requirements of individual state dental practice acts *independently* of any college or program requirements. Many states, including Utah, require background information prior to licensing candidates to practice dental hygiene, therefore, it is highly recommended that applicants consult ***in advance*** with the Utah Division of Occupational and Professional Licensing (DOPL), or similar agencies in other states, regarding eligibility for licensure. DOPL can be reached at 801-530-6628 or http://www.dopl.utah.gov/ licensing/dentistry.html.

CLINICAL PLACEMENT
Students accepted into the dental hygiene program must meet the same health and safety requirements that its clinical rotation facility providers require of their own employees. These facilities make the final determination regarding student acceptance for placement and may decline it based on the criminal background record, which may then preclude completion of program requirements. It is the responsibility of the applicant to seek advice regarding the status of their eligibility for clinical placement if their criminal background check discloses any areas of concern.

Total Program/Course Fees: Estimated $16,750

Estimated Time to Completion: Core Program requires two academic years. Additional time is required to complete prerequisites and AAS Gen Ed requirements.

Specialized Accreditation: The Commission on Dental Accreditation (CODA) of the American Dental Association (a specialized accrediting body recognized by the United States Department of Education) provides accreditation for the degree of *Associate of Applied Science in Dental Hygiene* at SLCC.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
Initiate and participate in community oral health programs.	2, 4, 5
Successfully complete the National Board Dental Examinations and regional/state dental hygiene licensure board examinations.	1, 2, 3,4, 5
Utilize the Dental Hygiene Process of Care (assessment, diagnosis, planning, implementation, and evaluation) to positively affect the oral health status and behavior of individuals and groups.	1, 2, 3, 4, 5
Communicate effectively with patients, peers & faculty in both verbal and written forms.	1, 2, 3
Utilize critical thinking skills in problem solving and decision-making.	1, 3, 4, 5

GENERAL EDUCATION REQUIREMENTS

Mandatory General Education Courses required for the AAS degree in Dental Hygiene necessary for licensure:

- Must be completed with a minimum grade of C
- Must be completed *prior* to entrance into the program

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Intermediate Algebra	4	A	RDG 0900; within the last year, MATH 0990 w/C grade or better or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem Effective Comm	3	A	

NOTE: Students must complete COMM 1010 for the Dental Hygiene program, no course substitutions will be allowed.

ADDITIONAL COURSE REQUIREMENTS: 9 CREDITS

COURSE		CR	SEM	PREREQUISITE
HLTH 1020	Foundations of Nutrition	3	A	
SOC 1010	Intro to Sociology (SS)	3	A	
PSY 1010	General Psychology (SS)	3	A	

REQUIRED COURSES: (53 CREDITS)

COURSE		CR	SEM	PREREQUISITE
DH 1050	Dental Radiology	2	F	Admission into program
DH 1060	Dental Radiology Lab	1	F	Admission into program
DH 1100	Intro to Dent Hygiene	3	F	Admission into program
DH 1110	Clinic Dent Hygiene	2	F	Admission into program
DH 1140	Dental Materials	1	Sp	DH 1050, 1060, 1100, 1110, 1330, 1340, 1350
DH 1150	Dental Materials Lab	1	Sp	DH 1100, 1110, 1050, 1060, 1330, 1340
DH 1330	Head and Neck Anatomy	2	F	Admission into program
DH 1340	Dental Anatomy	1	F	Admission into program
DH 1350	Dnt Embryolgy/Histolgy	1	F	Admission into program
DH 1400	Dent Hygiene Theory II	3	Sp	DH 1100 and 1110
DH 1410	Clinical Dent Hygiene II	3	Sp	DH 1100 and 1110
DH 1540	Pharmacology	3	Sp	DH 1110
DH 1640	Comp Patient/Spcl Needs	2	F	DH 1100
DH 2050	Gen & Oral Pathology	3	F	DH 1400
DH 2200	Dental Hygiene Theory III	3	F	DH 1400
DH 2210	Clinical Dent Hygiene III	4	F	DH 1410
DH 2220	Community Health	3	Sp	Admission into program
DH 2340	Local Anesthesia	2	F	DH 1540. Coreq: DH 2341
DH 2341	Local Anesthesia Lab	1	F	DH 1540. Coreq: DH 2340
DH 2450	Periodontology	2	Sp	DH 1410
DH 2600	Dent Hygiene Theory IV	3	Sp	DH 2200
DH 2610	Clinical Dental Hygiene IV	5	Sp	DH 2210
DH 2800	Practice Management	2	Sp	

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
DH 1050	2	DH 1140	1
DH 1060	1	DH 1150	1
DH 1100	3	DH 1400	3
DH 1110	2	DH 1410	3
DH 1330	2	DH 1540	3
DH 1340	1	DH 2450	2
DH 1350	1		
Total	**12**	**Total**	**13**
FALL SEMESTER		**SPRING SEMESTER**	
DH 2050	3	DH 2220	3
DH 2200	3	DH 2600	3
DH 2210	4	DH 2610	5
DH 2340	2	DH 2800	2
DH 2341	1		
DH 1640	2		
Total	**15**	**Total**	**13**

DEVELOPMENTAL EDUCATION

Division of Developmental Education
Taylorsville Redwood Campus, TB 325
General Information, (801) 957-4073
Program Information, (801) 957-4327
http://www.slcc.edu/deved
Academic Advisor, SC 240, (801) 957-4978

Program Faculty:
Professor – John Close, Ray Emett, Paul Lerdhal, Don Merrill, Celestina Punzalan
Associate Professor – Judith Braun, Steffeny Fazzio, Mark Glines, Brent Green, Marianna Hopkins, Carla Kulinsky, Rachel Lawyer, Cristin Longhurst, Carol Sieverts, Mildred Sparks, Candace Wignall, James Woodhall
Assistant Professors – Alena Balmforth, Maria Griffith, Jerry Harwell, Laurie Paxton, T C Stuwe
Instructor – James Celestino, Gordon Dunne, Ana Fillingham, Brenda Gardner, Charles Hemming, Kathleen Johnston, J Terry Kidd, Jason Roberts, Michael White

Program Description: In fulfilling the mission of Salt Lake Community College as a comprehensive community college with an "open door" admissions policy, the Developmental Education Department must, as a part of an educational continuum, provide for the needs of two groups of students:

1. Those requiring and/or desiring work in pre-college level competencies, such as reading, writing, math, and English-as-a-second-language; and
2. Those requiring and/or desiring to improve their college experience through learning enhancement activities, such as speed reading, reading comprehension, and study skills, as well as personal and career development.

The members of the Developmental Education Department are committed to helping students succeed in college programs and college-level courses and to helping them prepare for lifelong success.

GOALS

The Developmental Education Department has as its primary goal to ensure every student entering Salt Lake Community College the opportunity to protect and increase personal dignity by gaining:

1. Proficiency in basic skills;
2. Competencies for academic success;
3. Confidence to pursue personal goals; and
4. Problem-solving skills associated with learning and personal development..

PREREQUISITES

Some Developmental Education classes may require placement testing or have other prerequisites. It is the student's responsibility to examine each course description for prerequisites. Those prerequisites must be satisfied before the designated class may be taken.

NOTE: Developmental Math and Developmental Writing have mandatory placement policies that require students to enroll in the classes indicated by their placement test scores.

CLASS AVAILABILITY

Most Developmental Education classes are offered at all campuses and sites in fall, spring, and summer, and some courses are offered online. The courses and the semesters they are offered are listed below. Students should check the semester class schedule for day/evening/weekend availability and modifications caused by varying enrollment.

DEPARTMENTAL OFFERINGS

COURSE		CR	SEM	PREREQUISITE
DE 1070	Beginning Keyboarding	3		
LE 1000	ePortfolios for Success	1	A	
LE 1020	Essen College Study	3	A	
LE 1200	Major & Career Exploration	1	A	RDG 0900
LE 1220	Human Relation Career Dev	3	A	
LE 1240	Tutor Certification	1	A	
LE 1250	Effe Rev/Edit	2	F, Sp	Involved in personal, academic or workplace writing

LE 1260	Efficient Reading	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
LE 1310	Mind Mach Con	3	A	
LE 1350	Values/Self Image	3	A	
LE 1360	Open Diverse Doors	3	A	
LE 1900	Special Studies	1-3	A	
LE 2920	Civically Engaged Leader	2	F, Sp	
LE 2950	Strengths Based Leadership	2	F, Sp	POLS 2900 and LE 2900
MATH 0001	College Prep Math 1	4	A	LE 1020 w/C grade or better (may be taken concurrently)
MATH 0002	College Prep Math 2	4	A	MATH 0001
MATH 0003	College Prep Math 3	4	A	MATH 0002
MATH 0900	Basic Math	3	A	
MATH 0915	Fractions Workshop	1	A	
MATH 0920	Developmental Math	6	A	
MATH 0925	Pre-Algebra Workshop	1	A	
MATH 0950	Pre-Algebra	3	A	Within the last year, MATH 0900 w/C grade or better or appropriate Accuplacer score
MATH 0955	Pre-Algebra Workshop	1	A	
MATH 0990	Elementary Algebra	4	A	Within last year, MATH 0920 or MATH 0950 w/C grade or better or appropriate Accuplacer score
MATH 0995	Elementary Algebra Wkshp	1	A	Coreq: MATH 0990
RDG 0900	Developmental Reading	5	A	ESL 1010 and ESL 1020, both w/C grade or better OR Accuplacer reading score between 40-57
RDG 0990	Advanced Reading	3	A	RDG 0900 w/C grade or netter or appropriate Accuplacer score
WRTG 0900	Basic Writing	5	A	ESL 1010 and ESL 1020, both w/C grade or better OR appropriate Accuplacer score
WRTG 0990	College Prep Writing	3	A	WRTG 0900 w/C grade or better or appropriate Accuplacer score

DIESEL SYSTEMS TECHNOLOGY – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 65 credits minimum

Technical Specialties Division
Meadowbrook Campus, B116
General Information, (801) 957-4073
Program Information, (801) 957-5844
http://www.slcc.edu/diesel
Academic Advisor, Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Assistant Professors – Mark Kranendonk
Instructors – Bill Kleman

Program Description: Students are taught the general concepts of diesel systems technology. Technicians in this field repair and maintain diesel equipment, such as trucks, buses and construction equipment. This includes bulldozers, earth movers, cranes and other diesel-power equipment.

Most diesel technicians are required to buy their own hand tools. Beginning students accumulate more tools as they gain experience. They also may use testing equipment like dynamometers-which measure engine power, special fuel injection equipment and electronic-controlled engines.

Career Opportunities: Jobs and employment opportunities are numerous and provide an excellent wage usually with good benefits. Graduates find many opportunities for employment as technicians in companies that maintain and repair both on- and off-highway equipment.

Transfer/Articulation Information: Students who earn an AAS degree in Diesel Systems Technology have the option to transfer into the Technology Management Bachelor Degree at Utah Valley University. UVU will accept up to 45 technical credits towards this degree. Contact the University Center for current information. www.slcc.edu/universitycenter/programs or call (801) 957-4824.

Program Entry Requirements: A prospective diesel technician should be in good physical condition and have above-average mechanical ability and eye-hand coordination. Students may start this program Fall or Spring semester. For information on getting started, please visit http://www.slcc.edu/gettingstarted/index.asp

Estimated Cost for Students:
Tuition per semester: http://www.slcc.edu/cashiering/tuitionfees.asp
Tools and Supplies: $3,000
Books and Computer-assisted instruction per semester: $175

Estimated Time to Completion: If students follow suggested sample schedule, completion time is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students will obtain entry level employment skills in Diesel engine service and repair	1, 3, 4
2. Students will obtain entry level employment skills for hydraulic systems and servicing procedures	1, 3, 4
3. Students will obtain entry level employment skills for brake systems, testing and maintenance	1, 3, 4
4. Students will obtain entry level employment skills for electrical and electronics areas of Diesel Systems	1, 3, 4
5. Students will obtain entry level employment skills for transmissions	1 ,3, 4

6. Students will obtain entry level employment skills for heavy-duty drive trains	1, 3, 4
7. Students will obtain entry level employment skills for truck suspensions systems	1, 3, 4
8. Students will obtain entry level employment skills for advanced engine performance	1, 3, 4

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
IND 1120	Math for Industry	3	F, Sp	MATH 0900

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (3 CREDITS)

Choose an additional three credits from one of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (51 CREDITS)

COURSE		CR	SEM	PREREQUISITE
WLD 1005	Related Welding	3	A	
DST 1045	Basic Diesel	4	F	
DST 1065	Basic Engine Perf	4	F	
DST 1145	PM Brakes	4	F	
DST 1165	PM Electrical	4	Sp	
DST 1245	Drivetrains Fluid Drvs	4	Sp	
DST 1265	Drivetrains Gear Drvs	4	Sp	
DST 2045	Adv Eng & Electronics	4	F	DST 1045 and DST 1065
DST 2065	Adv Eng & Electronics	4	Sp	DST 1045, DST 1065, DST 2045
DST 2145	HD Hydraulics Controls	4	Sp	
DST 2165	HD Hydraulic Functions	4	Sp	
DST 2245	HD Electrical Circuits	4	F	
DST 2265	HD Electrical Lighting	4	F	

ELECTIVES

COURSE		CR	SEM	PREREQUISITE
DST 1020	Lt Duty Diesel Mech	3	A	DST 1020

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
DST 1045	4	DST 1165	4
DST 1065	4	DST 1245	4
DST 1145	4	DST 1265	4
IND 1120	3	CM	3
Total	**15**	**Total**	**15**
FALL SEMESTER		**SPRING SEMESTER**	
DST 2245	4	DST 2065	4
DST 2265	4	DST 2145	4
DST 2045	4	DST 2165	4
WLD 1005	3	DISTRIBUTION	3
HR	2-3	ENGL 1010	3
Total	**17-18**	**Total**	**18**

Advising Notes: Students will need basic reading and math skills. Students who need to take preparatory classes to meet the requirements of the first semester courses should plan on extra time to complete the program.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

Currently the Diesel courses are taught during the day.

SKILLS USA
Skills USA - All students enrolled in the Diesel program may participate in Skills USA. This program is designed to promote leadership, communication, social and employability skills.

COOPERATIVE EDUCATION
It is possible to earn some laboratory credit through cooperative education if students are employed in a job involving diesel systems technology. With prior approval of a faculty member and/or CO-OP coordinator, students may register for the CO-OP course.

ECONOMICS – ASSOCIATE OF SCIENCE[CTE] (AS) 63 credits minimum

Accounting, Economics and Finance Division
Taylorsville Redwood Campus, BB 105
General Information, (801) 957-4073
Program Information, (801) 957-4325
http://www.slcc.edu/economics
Academic Advisor, BB 209A, (801) 957-4286

Finance and Economics Faculty:
Professors – A. Marlon Andrus, Joseph R. Howell, K.T. Magnusson
Associate Professors – Dennis Wilson
Assistant Professors – Lew Jeppson, Rungrudee Suetorsak, Heather A. Schumacker
Instructors – Dennis R. Watson

Program Description: The study of economics deals with the issue of scarcity. Questions on what to produce, how goods and services will be produced and how produced goods and services are distributed in society, represents the kinds of questions economists deal with on a daily basis. In other words, economics explores how we use scarce resources to satisfy unlimited wants in society. The study of economics utilizes historical data, theoretical models and empirical evidence to explain the behavior of individuals, firms and nations in producing and consuming goods and services.

Economics allows students to think critically, analyze complex problems and apply solutions to real world problems. Economics provides students the foundation for various academic and professional endeavors. Professionals in management, law, education, government, finance and international affairs use economic analysis. Employers and graduate schools often seek individuals with an understanding of economics.

Career Opportunities: Opportunities in the field of economics are broad and diverse. They include, but not limited to: government (federal, state, local) and private industry. Specialties can be pursued in consulting, research, and finance. Economists can specialize in a particular industry such as healthcare, transportation, or energy. Nearly all industries employ economists.

Transfer/Articulation Information: Economics programs at four-year colleges and universities are housed in social science and business schools with varying requirements. For transfer to Economics at Utah State University, Weber State University, or Southern Utah University, students should see the Business Advisor for efficient transfer planning.

Estimated Cost for Students:$5,969

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Specialized Accreditation: The Economics program at SLCC is accredited by the Association of Collegiate Business Schools and Programs (ACBSP). Accreditation represents the achievement of meeting high national standards established for Associate Degree granting business programs and facilitates transfer of credits to four-year universities and colleges.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1.1 Prepare personal financial management docs. 1.2 Perform steps of financial planning and investments. 1.3 Identify financial service products and lending criteria. 1.4 Perform steps to evaluate personal and corporate credit financial analysis. 1.5 Perform steps of macro and micro economic analysis.	1 – Substantive Knowledge
2.1 Communicate effectively in writing. 2.2 Communicate effectively while working in groups. 2.3 Communicate effectively numerically.	2 – Communicate Effectively
3.1 Perform appropriate financial calculations. 3.2 Solve problems using the time value of money. 3.3 Perform macro and micro economic calculations.	3 – Develop Quantitative Literacy

4.1 Extract relevant data from complex information, process it, and draw reasonable conclusions.	4 – Think Critically
5.1 Understand the political, historical, social, and economic foundations of the local, national, and global communities. 5.2 Engage in principled and vigorous dialogue.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) CHOOSE ONE COURSE (4 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
MATH1050	College Algebra	4	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score
OR				
MATH1090	College Algebra Business	4	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3
Physical Science (PS)	3

NOTE: Students may use ECON 1600 to fulfill General Education or program course elective, <u>but not both</u>.

REQUIRED COURSES: (13 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ECON 2010	Microeconomics (SS)	3	A	
ECON 2020	Macroeconomics (SS)	3	A	
BUS 1100	Calculus for Bus	3	A	MATH 1050 or MATH 1090
MGT 2040	Bus Statistics I	4	A	BUS 1050, MATH 1010 or FIN 1380, and CIS 1020

ECONOMICS ELECTIVES: (SELECT 6 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
ECON 1600	Intro Economic Systems	3	F, Sp	
ECON 2100	Labor Economics	3	F, Sp	ECON 2010
ECON 2200	Money & Banking	3	Sp	
ECON 2250	Environmental Economics	3	F, Sp	
ECON 2400	Interntl Econ/Finance	3	F	ECON 2010 or ECON 2020 (may be taken concurrently)

ELECTIVES:
Complete 15 credits from any college course numbered 1000 or above including Economics, Finance, Management and Business courses.

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ECON 2010	3	BUS 1100	3
ENGL 1010	3	ECON 2020	3
AI	3	DISTRIBUTION (2)	6
STUDENT CHOICE	3	ELEC	3
MATH 1050/1090	3-4		
Total	**15-16**	**Total**	**15**
FALL SEMESTER		**SPRING SEMESTER**	
ECON ELEC	3	ECON ELEC	3
ENGL 2010	3	DISTRIBUTION (2)	6
MGT 2040	4	HLAC	1
DISTRIBUTION (2)	6	ELEC	7
ELEC	3		
Total	**19**	**Total**	**17**

Advising Notes:
Students considering an Economics major may want to take ECON 1010 (Economics as a Social Science) as an introduction to the field. ECON 1010 will count toward the Social Science General Education requirement.

The Department recommends completion of the College Algebra requirement before second year Economic courses are taken.

Students transferring to Westminster College Economics BS degree should take PHIL 1130, ACCT 2010.

Students transferring to University of Utah Business minor should take ACCT 2010, ACCT 2020 and BUS 1050.

Cooperative Education is the college's strategy for recognizing and rewarding new learning associated with study-related employment in a business, industrial or government work environment. Credits earned from Finance or Management 2000 are applied toward Economics in the 'Other Elective' category. Contact CO-OP Education at (801) 957-4014.

The semester in which courses are taught are listed below. Students should check the semester class schedule for day/evening availability and modifications caused by varying enrollment. It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken.

Students who wish to take the CIS 1020 (Computer Essentials) challenge exam are advised to review the information at www.slcc.edu/CIS**.** An 80% or higher is required on each section of the test. Once the exam is passed a P is posted to the transcript and credit is awarded.

EDUCATION – ASSOCIATE OF SCIENCE (AS) 63 credits minimum

Education, Family & Human Studies and Social Work Department
Taylorsville Redwood Campus, Eccles ECD Lab School
General Information, (801) 957-4073
Education Information, (801) 957-5035
www.slcc.edu/education
Academic Advisor, TB 315, (801) 957-4294

Program Faculty:
Professors – Dale Smith
Associate Professors – Janet Brohm, Lois Oestreich
Assistant Professor – Sally Scramm

Program Description: The Education Program is a two-year program designed to prepare students to transfer to an accredited four-year teaching program. Students completing the program will develop skills and receive the hands-on experience necessary to be accepted into the professional core of courses offered at the university level.

Specific requirements leading to a bachelor's degree in education differ among the four-year higher education institutions. To tailor a program specific to student needs, meet with the Education Academic Advisor prior to registering for courses.

SECONDARY EDUCATION
Not all teaching majors are offered at all USHE schools. Meet with the Education Academic Advisor for the specific transfer information about the major(s), minor(s) at the school to which you plan to transfer. Most colleges and universities require EDU 1010. *Efficient transfer planning is essential.*

Transfer/Articulation Information: Students should select electives based on the institution to which they intend to transfer. Electives beyond those listed below may be selected with approval from faculty or advisor. Students should consult with the Education Academic Advisor to ensure that the correct classes are taken for transferability to their school of choice. Guidelines for transfer are listed below and are subject to change. Students are also advised to contact the Education Advisor at the school(s) to which they intend to transfer.

ELEMENTARY EDUCATION

UNIVERSITY OF UTAH - Elementary Education
General Education (with some specific choices), EDU 1010, EDU 2011, EDU 2030, EDU 2110, EDU 2140, EDU 2150, EDU 2410, ENGL 1200, ETHS 2410 or ETHS 2420 or ETHS 2430 or ETHS 2440 or HUMA 2220, FHS 1500, FHS 2640, FHS 2645. MATH 1050 is a pre-requisite for MATH 4010 at the U of U and must be less than two years old. Meet with the Education Academic Advisor for further information.

UTAH STATE UNIVERSITY – Elementary Education GRADES K-6, Pre-K-8, or 1-8
General Education (with some specific choices), EDU 1010, FHS 1500, FHS 2600*/0010, FHS 2610/0011, MATH 1050, MATH 2010 AND MATH 2020. For Pre-K- 8 & grades 1-8 take the above classes as well as HLTH 1500 and ENGL 2330. *FHS 2600/0010 not needed for grades 1-8 licensure. Meet with the Education Academic Advisor for further information.

WEBER STATE UNIVERSITY - Elementary Education GRADES K-6
General Education (with some specific choices), Art 1020 (fulfills FA @ SLCC), COMM 1020 (fulfills Student Choice @ SLCC) or COMM 2110 (fulfills ID @ SLCC), EDU 1010, EDU 2110, EDU 2140, ENGL 2330, FHS 1500, FHS 2610/0011, FHS 2620/0010, MATH 2010, MATH 2020. Weber requires each student to have an area of specialization, there are additional SLCC courses that can transfer to fulfill those. Meet with the Education Academic Advisor for further information.

UTAH VALLEY UNIVERSITY - Elementary Education GRADES K-6
General Education (with some specific choices), EDU 1010 w/B- or higher, EDU 2010, EDU 2140, ENGL 2330, MATH 2010 w/C or higher, and MATH 2020 w/C- or higher. FHS 1500 is strongly suggested for the Social Science General Education requirement. Meet with the Education Academic Advisor for further information.

SOUTHERN UTAH UNIVERSITY - Elementary Education GRADES K-6
General Education (with some specific choices), EDU 1010, EDU 2010, EDU 2110, FHS 1500, MATH 2010, MATH 2020. SUU requires each student to have an area of specialization, there are additional SLCC courses that can transfer to fulfill those. Meet with the Education Academic Advisor for further information.

DIXIE STATE COLLEGE - Elementary Education
General Education (with some specific choices), EDU 1010, EDU 2010, EDU 2110, EDU 2140, EDU 2150, FHS 1500, MATH 2010, MATH 2020. Meet with the Education Academic Advisor for further information.

WESTMINSTER COLLEGE - Elementary Education
Meet with the Education Academic Advisor for further information.

EARLY CHILDHOOD EDUCATION

UNIVERSITY OF UTAH - Early Childhood Education
This program has been discontinued at the University of Utah. Students interested in teaching K-3rd will now be required to pursue the Elementary Education (K-6) degree. Please see requirements above. Meet with the Education Academic Advisor for further information.

UTAH STATE UNIVERSITY - Early Childhood Education K-3 Certification
General Education (with some specific choices), EDU 1010, FHS 1500, FHS 2600/0010, FHS 2610/0011, MATH 1050, MATH 2010 AND MATH 2020. Meet with the Education Academic Advisor for further information.

WEBER STATE UNIVERSITY - Early Childhood Education
General Education (with some specific choices), ART 1020 (fulfills FA requirement at SLCC), COMM 1020 (fulfills Student Choice requirement at SLCC) or COMM 2110 (fulfills ID requirement at SLCC), EDU 1010, EDU 2140, ENGL 2330, FHS 1500, FHS 2500/0010, FHS 2600/0010, FHS 2610/0011, FHS 2620/0010, FHS 2640, MATH 2010, MATH 2020. Meet with the Education Academic Advisor for further information.

SOUTHERN UTAH UNIVERSITY – Early Childhood Education is an emphasis area within Elementary Education.
General Education (with some specific choices), EDU 1010, EDU 2010, EDU 2110, FHS 1500, MATH 2010, MATH 2020. Meet with the Education Academic Advisor for further information.

SPECIAL EDUCATION

UNIVERSITY OF UTAH – Special Education
General Education (with some specific choices), EDU 1010, EDU 2010, EDU 2011, EDU 2030, EDU 2140, EDU 2150, EDU 2410, ENGL 1200, FHS 2640. FHS 1500 is strongly recommended to meet SLCC's Social Science requirement. Meet with the Education Academic Advisor for further information.

UTAH STATE UNIVERSITY - Special Education
General Education (with some specific choices), EDU 1010, FHS 1500, MATH 1040. USU has multiple teaching options with their special education degree, meet with the Education Academic Advisor for further information.

WEBER STATE UNIVERSITY – Special Education
General Education (with some specific choices), COMM 1020 (fulfills Student Choice @ SLCC) or Comm 2110 (fulfills ID @ SLCC), EDU 1010, EDU 2010, EDU 2110, EDU 2140, ENGL 2330, FHS 1500, FHS 2400 or FHS 2500 or FHS 2570 or FHS 2640. Weber requires each student to have an area of specialization, there are additional SLCC courses that can transfer to fulfill those. Meet with the Education Academic Advisor for further information.

SOUTHERN UTAH UNIVERSITY- Special Education
General Education (with some specific choices), EDU 1010, EDU 2010, EDU 2110, MATH 2010, MATH 2020. Meet with the Education Academic Advisor for further information.

WESTMINSTER – Special Education
Meet with the Education Academic Advisor for further information.

SECONDARY EDUCATION

UNIVERSITY OF UTAH – Secondary Education

General Education (with some specific choices), EDU 1010, EDU 2010 or 2011, EDU 2030, EDU 2150, EDU 2410, FHS 1230. These classes are in addition to the classes for the major you are planning on teaching. Meet with the Education Academic Advisor for further information.

Estimated Cost for Students: Estimated cost of books and supplies per semester $350 to $450

Estimated Time to Completion: If students follow the suggested sample schedule, completion time is four semesters

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1a. Develop knowledge, skills, and experience to work effectively with elementary and secondary students in public or private school settings. 1b. Be prepared for further study in education or a related discipline. 1c. Understand key concepts, events and personalities related to teaching and learning. 1d. Explain theories, concepts and principles connected to the physical, intellectual, social, and emotional development of children. 1e. Evaluate and prepare curriculum and program activities consistent with current educational theories and models. 1f. Incorporates core knowledge content in a classroom setting. 1g. Develop a Working knowledge of State of Utah Core Curriculum.	1 – Substantive Knowledge
2a. Effectively communicate orally and in writing about key concepts and significant topics in education. 2b. Develop and maintain appropriate state and Federal documentation including IEP's, IFSP's. 2c. Demonstrates effective verbal and nonverbal communication techniques with students and families.	2 – Communicate Effectively
3a. Use and interpret information represented as data, graphs, and tables to analyze relevant information for working with students in a classroom setting. 3b. Interpret various mathematical concepts as they pertain to assessing learning.	3 – Develop Quantitative Literacy
4a. Construct a personal philosophy of early childhood education. 4b. Systematically complete reflective assignments demonstrating analysis, synthesis, and evaluation.	4 – Think Critically
5a. Successfully complete service learning and field experience in predetermined local elementary and secondary schools. Dialogue with seasoned professionals in the field to enhance theoretical perspectives.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1050	College Algebra	4	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3
Physical Science (PS)	3

REQUIRED COURSES: (6 CREDITS)

COURSE		CR	SEM	PREREQUISITE
EDU 1010	Orient to Elem Ed	3	F, Sp	
FHS 1500	Human Devlop	3	A	

ELECTIVES: (21 CREDITS)

Students should select electives based on the institution to which they intend to transfer. See transfer notes above.

COURSE		CR	SEM	PREREQUISITE
EDU 1400	Study of Disability (SS,DV)	3	A	
EDU 1900	Special Topics in Ed	1-2	F, SP	Instructor permission
EDU 2000	CO-OP	1-2	F, Sp	EDU 1010 and FHS 1500
EDU 2010	Intro Special Ed	3	F, Sp	
EDU 2011	Inclusive Class	3	F, Sp	
EDU 2030	Research in Ed	3	F, Sp	
EDU 2110	Ed Psych Learning & Lit	3	F, Sp	
EDU 2140	Tech in the Class	2	F, Sp	
EDU 2150	Multi Culture Edu	3	F, Sp	
EDU 2410	Ed Law for Teach	3	F, Sp	
ENGL 1200	Intro Linguistics	3	F, Sp	
ENGL 2330	Children's Literature	3	F,Sp	ENGL 1010 w/C grade or better
*ETHS 2440	Native Amer (SS, DV)	3	F, Sp	
*ETHS 2420	Asian Amer (SS, DV)	3	F, SP	
*ETHS 2410	African Amer (SS, DV)	3	F, Sp	
*ETHS 2430	Mexican Amer (SS, DV)	3	F, Sp	
*HUMA 2220	Pacific Am Stud (HU, DV)	3	F, Sp	
FHS 1230	Adolescent Growth	3	F	
FHS 2610	Child Guidance	3	F, Sp	Coreq: FHS 0010
FHS 2640	Home/Schl/Cmnity Relations	3	F, Sp	
FHS 2645	EC Integrated Curriculum	3	F, Sp	
**MATH 2010	Mth Elem Tech I	3	F	Within the last year, MATH 1050 w/C grade or better or appropriate Accuplacer score
**MATH 2020	Mth Elm Tech II	3	Sp	Within the last year, MATH 2010 w/C grade or better
***PED 1010	Intro to PED	3	TBA	
***PED 1700	Collab in Class	3	TBA	PED 1010
***PED 2150	Exp w/Stud Risk	3	TBA	PED 1010
***PED 2160	Practicum Int Ex	1	TBA	Coreq: PED 2150

*Select only <u>one</u> course from ETHS 2410, ETHS 2420, ETHS 2430, ETHS 2440 or HUMA 2220.

**Students should check with the Education Academic Advisor to make sure they select the appropriate math course.

***PED courses should only be taken by students completing a Certificate of Completion in Paraeducation.

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
EDU 1010	3	ENGL 2010	3
ENGL 1010	3	HU	3
FHS 1500	3	HLAC	1
FA	3	EDU ELEC	3
ID	3	EDU ELEC	3
		STUDENT CHOICE	3
Total	**15**	**Total**	**16**
FALL SEMESTER		**SPRING SEMESTER**	
EDU ELEC	3	EDU ELEC	3
EDU ELEC	3	EDU ELEC	3
PS	3	EDU ELEC	3
AI	3	BIOL SCI	3-4
MATH 1050	4	SS	3
Total	**16**	**Total**	**15-16**

Advising Notes: Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See the Education Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

ENERGY MANAGEMENT – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 67 credits minimum

Continuing Education
Larry Miller Campus, MFEC 211
General Information, (801) 957-5200
Program Information, (801) 957-5422
http://www.slcc.edu/energymanagement
Academic Advisor, SI 209, (801) 957-4858

Program Description: The Energy Management degree is designed to prepare students for careers in the fast-growing field of energy management as technical professionals. Students will study energy-related building sub-systems including heating, ventilation and air conditioning systems, electrical and lighting systems and the building envelope; energy analysis techniques; building simulation methods; life cycle costs and return on investment calculations; and alternative energy sources. Students will apply these skills to recommend improvements that result in greater energy efficiency and energy cost savings in residential and commercial buildings.

This is a comprehensive program which provides students with practical hands-on experience. Students will be required to participate in an internship experience where they will gain relevant field experience which integrates theory and practice. This environment will give students opportunities to develop skills, explore career options and network with professionals and employers in the industry. Student will be required to complete a minimum of four internship credit hours to earn an AAS degree.

The program is offered as an accelerated degree allowing students to complete the two-year program in less than 18 months. Students will complete a series of seven, accelerated 10 week blocks of courses. A new cohort will begin each Fall. Students may contact the program coordinator for current class schedule information.

Program Entry Requirements: Completion of ENGL 1010 and MATH 1010

Preparation Note: It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. Math 1010 with C or better or appropriate Accuplacer score; ENGL 1010 w/ C or better or appropriate Accuplacer score; basic proficiency in MS Excel are required for program admission.

Transfer/Articulation Information: Bismarck State College

Estimated Cost for Students: $7,500 with textbooks

Estimated Time to Completion: If students follow the sample schedule, time to completion is 18 months

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
Evaluate the energy use patterns for residential and commercial buildings and recommend energy efficiency and alternative energy solutions for high energy consuming buildings. Understand the interaction between energy consuming building systems and make recommendations based on that understanding.	1 – Substantive Knowledge
Generate energy evaluation technical reports and make presentations for project implementation. Use appropriate library and information resources to research professional issues and support lifelong learning. Access library, computing and communications services and obtain information and data from regional, national and international networks.	2 – Communicate Effectively
Interpret the concepts of a problem-solving task and translate them into mathematics.	3 – Develop Quantitative Literacy

Collect and display data as lists, tables and plots using appropriate technology (e.g., graphing calculators, computer software).	
Determine an appropriate scale for representing an object in a scale drawing. Develop and evaluate inferences and predictions that are based on data.	4 – Think Critically
Develop an awareness of the social, political, and economic factors dealing with energy management. Work collaboratively in multidisciplinary teams.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Intermed Algebra	4	A	RDG 0900; within the last year MATH 0990 w/C grade or better or appropriate Accuplacer score

COMMUNICATION (CM) CHOOSE ONE COURSE (3 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem Effective Comm	3	A	
COMM 1020	Prin Public Speaking	3	A	
CTEL 1020	Career Speech Skills	3	A	

HUMAN RELATIONS (HR) CHOOSE ONE COURSE (3 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
COMM 2110	Interpersonal Comm	3	A	
CTEL 1010	Leadership & Team Build	3	A	
LE 1220	Career Development	3	A	
MKTG 1960	Prof in Business	3	A	

DISTRIBUTION AREAS: (3 CREDITS)

Choose an additional three credits from one of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (46 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ARCH 1100	Intro to Arch Drawing	3	*	
CIS 1019	Spreadsheet Applications	2	*	
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better
PHYS 1010	Elementary Physics (PS)	3	*	
EGMT 1010	Intro to Energy Mgmt	2	*	
EGMT 1110	HVAC Energy Analysis I	2	*	EGMT 1010
EGMT 1120	Comm Energy Analysis	3	*	EGMT 1210 and MATH 1010
EGMT 1130	Building Energy Sims	3	*	EGMT 1120
EGMT 1210	HVAC Energy Analysis II	2	*	EGMT 1110 and PHYS 1010
EGMT 1220	Comm A/C System Anal	2	*	EGMT 1210 and MATH 1010
EGMT 1230	Energy Control Strategies	3	*	EGMT 1220, 1240, 1700 or instructor approval
EGMT 1240	Energy Efficiency Methods	2	*	EGMT 1110 and PHYS 1010
EGMT 1310	Lighting Fundamentals	2	*	EGMT 1110, 1700 and PHYS 1010 or instructor approval
EGMT 1320	Lighting Applications	2	*	EGMT 1310 and MATH 1010
EGMT 1410	Energy Invest Analysis	2	*	EGMT 1210, 1240, 1310 and MATH 1010

EGMT 1420	Energy Accounting	2	*	CIS 2990
EGMT 1540	Alternative Energy Tech	2	*	
EGMT 2060	Energy Mgt Seminar 1	1	*	
EGMT 2065	Energy Mgt Seminar 2	1	*	
EGMT 2800	Energy Mgt Internship	4	*	Completion of all program course requirements

ELECTIVE COURSES: (SELECT 5 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
ACCT 1110	Financial Accounting I	3	A	
ARCH 2990	Special Topics (Green Bldg)	3		Instructor approval
CMGT 1010	Building Const Overview	3		
COMM 1140	Environmental Comm	3		
ECON 2250	Environmental Economics	3		
EGMT 1600	Intro to Water Resources	2	*	
EGMT 1700	Basic Electrical Theory	3	*	
EGMT 1710	Basic Photovoltaic Systems	3	*	EGMT 1700
EGMT 1720	Adv Photovoltaic Systems	3	*	EGMT 1710
GEOG 1000	Earth's Surface Environ	3	A	
GEOG 1400	Human Geography (ID)	3	F, Sp	
GEOG 1800	Geospatial Technology	3	A	
GEOG 2200	Urban/Envirn Issues (ID)	3	Sp	

SAMPLE SCHEDULE

FALL - BLOCK 1		**FALL – BLOCK 2**	
ARCH 1100	3	EGMT 1110	2
EGMT 1010	2	EGMT 1540	2
CIS 1019	2	EGMT 2060	1
TECH ELEC	2	PHYS 1010	3
Total	**9**	**Total**	**8**
SPRING – BLOCK 3		**SPRING – BLOCK 4**	
EGMT 1210	2	EGMT 1220	2
EGMT 1240	2	EGMT 1320	2
EGMT 1310	2	EGMT 1410	2
HR	3	TECH ELEC	3
Total	**9**	**Total**	**9**
SUMMER – BLOCK 5			
EGMT 1120	3		
EGMT 1230	3		
ENGL 2100	3		
Total	**9**		
FALL – BLOCK 6		**FALL – BLOCK 7**	
EGMT 1130	3	EGMT 2800	4
EGMT 1420	2		
EGMT 2065	1		
CM	3		
DISTRIBUTION	3		
Total	**12**	**Total**	**4**

Advising Notes: General Education courses are full 15 week semester courses and will need to be taken separate from the 10 week block schedule.

CHEMICAL ENGINEERING – ASSOCIATE OF PRE-ENGINEERING[CTE] (APE) 71 credits minimum

Engineering Department
Taylorsville Redwood Campus, SI 220
General Information, (801) 957-4073
Program Information, (801) 957-4780
http://www.slcc.edu/engineering
Academic Advisor, SI 209, (801) 957-4858

Program Faculty:
Professors – Nick Safai
Associate Professors – Francis Afghan, Lee Brinton, Holly Moore
Assistant Professors – Sara Farida

Program Description: Chemical engineering emphasizes physical, life and engineering sciences to convert raw materials into necessary materials and energy systems.

Civil/Environmental engineering encompasses a wide range of engineering projects dealing with buildings, bridges, dams, highways, transportation systems, water supply systems, fluid flow, water reclamation and geotechnical problems.

Computer engineering focuses on design and use of computers to solve and analyze math and physics problems.

Electrical engineering is a branch of applied physics, which uses mathematical concepts to analyze and design electrical devices and systems.

Materials science engineering involves chemistry and physics to develop scientific and engineering aspects of materials.

Mechanical engineering also uses math and physics to analyze and design mechanical devices and machine systems.

Manufacturing engineering focuses on methods and processes of manufacturing.

Transfer/Articulation Information: The associate of pre-engineering degree is offered in each of the seven engineering disciplines. It is a transfer degree similar to the associate of science degree, but has reduced General Education requirements. Current accreditation board of engineering and technology (ABET) standards require upper-division General Education courses. The engineering students who complete this degree may apply for advanced-placement at an engineering school, but must complete General Education requirements at the senior institution.

Admission into an engineering major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Program Entry Requirements: Each program requires as a prerequisite a science-oriented high school curriculum which includes as much mathematics, chemistry, physics and English as possible. Students who do not qualify to enter MATH 1210, CHEM 1210 and ENGL 1010 should take prerequisite courses before entering the first semester of their program. Students who need to take preparatory courses to meet the requirements of first semester courses should plan on extra time to complete the program. Consult with the academic advisor concerning these courses. It is the student's responsibility to examine each course description for details of prerequisite courses. Those prerequisites must be satisfied before the designated class may be taken.

Estimated Time to Completion: If students follow the suggested sample schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
Be prepared for further study in Chemical Engineering or a related	1

discipline at a four-year college or university.	
Understand the fundamentals of physical science, in particular inorganic chemistry, organic chemistry and physics.	1
Understand the mathematical tools necessary to perform engineering calculations – in particular Calculus, Linear Algebra and Differential.	1,3
Develop the laboratory skills necessary to design and perform scientific and engineering experiments, and to be able to interpret collected data.	1,3,4
Develop the laboratory skills necessary to design and perform scientific and engineering experiments, and to be able to interpret collected data.	1,4
Effectively communicate scientific and engineering concepts both orally and in writing.	2

GENERAL EDUCATION REQUIREMENTS

General Education requirement in this degree are reduced. Students who earn an Associate of Pre-Engineering degree will need to complete additional General Education requirement for a bachelor's degree at the receiving institution. Transfer student should obtain advising regarding General Education requirement specific to Engieering majors.

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better
OR				
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1210	Calculus I	4	A	Within the last year, MATH 1060 or MATH 1080 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

DISTRIBUTION AREAS:

Choose an additional six credits from two of the following distribution areas.

COURSE	CR
Fine Arts (FA)	3-4
Humanities (HU)	3
Social Science (SS)	3

REQUIRED COURSES: (52 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CEEN 2010	Statics	3	F, Sp	MATH 1210. Recommended prereq: PHYS 2210
CEEN 2140	Strength of Mat	2	F, Sp	CEEN 2010 and MATH 2250 (either may be taken concurrently). Recommended coreq: CEEN 2145
*CEEN 2145	Strgth of Mat Lab	1	F, Sp	Recommended coreq: CEEN 2140
CHE 2300	Eng Thrmdynmc	2	F, Sp	CHEM 1210 and MATH 1220. Recommended prereq: PHYS 2210
CHE 2450	Num Tech	2	Sp	ENGR 1030 or 1040 and MATH 2250
CHE 2800	Fund of Pro Eng	3	Sp	CHE 2300
CHEM 1210	GeneralChemistry I	4	F, Sp	MATH 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1215	Gen Chem Lab I	1	F, Sp	MATH 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1210
CHEM 1220	GeneralChemistryII	4	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1225
CHEM 1225	Gen Chem II Lab	1	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1220
CHEM 2310	Organic Chem I	4	F, Sp	CHEM 1220 w/C grade or better. Recommended coreq: CHEM 2315

CHEM 2315	Organic Chem Lab I	1	F, Sp	CHEM 1220 w/C grade or better. Recommended coreq: CHEM 2310
ENGR 1040	Engineer Comput	3	F, Sp	MATH 1060 or 1080 (either may be taken concurrently)
MATH 1220	Calculus II	4	A	Within the last year, MATH 1210 w/C grade or better
*MATH 2210	MultivariateCalc	3	A	Within the last year, MATH 1220 w/C grade or better
MATH 2250	Diff EquaLin Alg	4	F, Sp	Within the last year, MATH 1220 w/C grade or better
PHYS 2210	Physics f/Sci & Eng I	4	A	MATH 1210. Recommended coreq: PHYS 2215
PHYS 2215	Physics f/Sci&Eng L I	1	A	MATH 1210. Recommended coreq: PHYS 2215
PHYS 2220	Physics f/Sci&Eng II	4	A	PHYS 2210 and MATH 1220. Recommended coreq: PHYS 2225
PHYS 2225	Physics f/Sci&Eng LII	1	A	PHYS 2210 and MATH 1220. Recommended coreq: PHYS 2220

*Recommended but not required at the University of Utah

PROGRAM ELECTIVES:

COURSE		CR	SEM	PREREQUISITE
CHE 2000	CO-OP Education	1-2	A	Instructor approval
CHEM 2320	Organic Chem II	4	Sp,Su	CHEM 2310 w/C grade or better. Recommended coreq: CHEM 2325
CHEM 2325	Organic Chem Lab II	4	Sp,Su	CHEM 2310 w/C grade or better. Recommended coreq: CHEM 2320

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
CHEM 1210	4	CHEM 1220	4
CHEM 1215	1	CHEM 1225	1
ENGR 1040	3	ENGL 2010/2100	3
ENGL 1010	3	MATH 1220	4
MATH 1210	4	PHYS 2210	4
DISTRIBUTION	3	PHYS 2215	1
Total	**18**	**Total**	**17**

FALL SEMESTER		SPRING SEMESTER	
CEEN 2010	3	CHE 2450	2
CHE 2300	2	CEEN 2140	2
CHEM 2310	4	CEEN 2145	1
CHEM 2315	1	CHE 2800	3
MATH 2250	4	MATH 2210	3
PHYS 2220	4	DISTRIBUTION	3
PHYS 2225	1	AI	3
Total	**19**	**Total**	**17**

CIVIL/ENVIRONMENTAL ENGINEERING – ASSOCIATE OF PRE-ENGINEERING[CTE] (APE) 71.5 credits minimum

Engineering Department
Taylorsville Redwood Campus, SI 220
General Information, (801) 957-4073
Program Information, (801) 957-4780
http://www.slcc.edu/engineering
Academic Advisor, SI 209, (801) 957-4858

Program Faculty:
Professors – Nick Safai
Associate Professors – Francis Afghan, Lee Brinton, Holly Moore
Assistant Professors – Sara Farida

Program Description: Chemical engineering emphasizes physical, life and engineering sciences to convert raw materials into necessary materials and energy systems.

Civil/Environmental engineering encompasses a wide range of engineering projects dealing with buildings, bridges, dams, highways, transportation systems, water supply systems, fluid flow, water reclamation and geotechnical problems.

Computer engineering focuses on design and use of computers to solve and analyze math and physics problems.

Electrical engineering is a branch of applied physics, which uses mathematical concepts to analyze and design electrical devices and systems.

Materials science engineering involves chemistry and physics to develop scientific and engineering aspects of materials.

Mechanical engineering also uses math and physics to analyze and design mechanical devices and machine systems.

Manufacturing engineering focuses on methods and processes of manufacturing.

Transfer/Articulation Information: The associate of pre-engineering degree is offered in each of the seven engineering disciplines. It is a transfer degree similar to the associate of science degree, but has reduced General Education requirements. Current accreditation board of engineering and technology (ABET) standards require upper-division General Education courses. The engineering students who complete this degree may apply for advanced-placement at an engineering school, but must complete General Education requirements at the senior institution.

Admission into an engineering major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Program Entry Requirements: Each program requires as a prerequisite a science-oriented high school curriculum which includes as much mathematics, chemistry, physics and English as possible. Students who do not qualify to enter MATH 1210, CHEM 1210 and ENGL 1010 should take prerequisite courses before entering the first semester of their program. Students who need to take preparatory courses to meet the requirements of first semester courses should plan on extra time to complete the program. Consult with the academic advisor concerning these courses. It is the student's responsibility to examine each course description for details of prerequisite courses. Those prerequisites must be satisfied before the designated class may be taken.

Estimated Time to Completion: If students follow the suggested sample schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally

Be adequately prepared to seamlessly transfer to one of the four-year institutions to pursue a BS degree in Civil Engineering.	1,3
Be able to solve complex problems in engineering and science using critical thinking skills.	1,4
Demonstrate adequate ability of technical report writing, also written and oral communication with respect to technical concepts.	2
Understand the fundamentals of Mechanics, in particular statics dynamics, strength of materials and structural analysis.	1
Understand the mathematical tools necessary to perform engineering calculations – in particular Vector Calculus, Linear Algebra and Differential Equations.	1,3
Develop the laboratory skills necessary to design and perform scientific and engineering experiments, and to be able to interpret collected data.	1,3,4
Effectively communicate scientific and engineering concepts both orally and in writing.	2

GENERAL EDUCATION REQUIREMENTS

General Education requirement in this degree are reduced. Students who earn an Associate of Pre-Engineering degree will need to complete additional General Education requirement for a bachelor's degree at the receiving institution. Transfer student should obtain advising regarding General Education requirement specific to Engieering majors.

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better
OR				
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1210	Calculus I	4	A	Within the last year, MATH 1060 or MATH 1080 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

DISTRIBUTION AREAS:

Choose an additional six credits from two of the following distribution areas.

COURSE	CR
Fine Arts (FA)	3-4
Humanities (HU)	3
Social Science (SS)	3

REQUIRED COURSES: (52.5 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ARCH 1310	Intro to AutoCAD	3	F	
CEEN 1100	Civil Engr Design	3	F	MATH 1010 or appropriate Accuplacer score
CEEN 2010	Statics	3	A	MATH 1210. Recommended prereq: PHYS 2210
CEEN 2020	Dynamics I	2	F, Sp	CEEN 2010
CEEN 2240	Surveying	3	Sp	MATH 1060 or MATH 1080 or appropriate Accuplacer score
CEEN 2130	Engr Economics	4	F	MATH 1050 or MATH 1080
CEEN 2140	Strength of Mat I	2	F, Sp	CEEN 2010 and MATH 2250 (either may be taken concurrently), Recommended coreq: CEEN 2145
CEEN 2145	Strgth of Mat Lab	1	F, Sp	Recommended coreq: CEEN 2140
CEEN 2300	Eng Thermdyn	2	F, Sp	CHEM 1210 and MATH 1220. Recommended prereq: PHYS 2210

CHEM 1210	GeneralChemistry I	4	F, Sp	MATH 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1215	Gen Chem Lab I	1	F, Sp	MATH 1050 w/C grade or better or appropriate Accuplacer score Recommended coreq: CHEM 1210
*CHEM 1220	GeneralChemistryII	4	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1225
*CHEM 1225	Gen Chem Lab II	1	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1220
OR				
*PHYS 2220	Physics f/Sci&Eng II	4	A	PHYS 2210 and MATH 1220. Recommended coreq: PHYS 2225
*PHYS 2225	Physics f/Sci&Eng Lab II	1	A	PHYS 2210 and MATH 1220. Recommended coreq: PHYS 2220
ENGR 1040	Engineer Computing	3	F, Sp	MATH 1060 or 1080 (either may be taken concurrently)
EE 2200	Elec Engr for Civil Engr	1.5	Sp	PHYS 2210 and Math 2250 (may be taken concurrently)
OR				
MSE 2170	Material Sci for Civil Engr	1.5	Sp	CHEM 1210
MATH 1220	Calculus II	4	A	Within the last year, MATH 1210 w/C grade or better
MATH 2210	Multivariate Calc	3	A	Within the last year, MATH 1220 w/C grade or better
MATH 2250	Diff EquaLin Alg	4	F, Sp	Within the last year, MATH 1220 w/C grade or better
PHYS 2210	Physics f/Sci & Eng I	4	A	MATH 1210. Recommended coreq: PHYS 2215

*Students planning an emphasis in Structural Engineering are encouraged to complete the second physics course;
Students planning for Environmental Engineering are encouraged to complete the second Chemistry course.

PROGRAM ELECTIVES:

COURSE		CR	SEM	PREREQUISITE
CEEN 2000	CO-OP Education	1-2	A	Instructor's approval
CEEN 2450	Numerical Tech	2	Sp	ENGR 1030 or 1040 and MATH 2250. Recommended coreq: MATH 2210
MEEN 1050	Des/Vis Com	2	F	Recommended prereq: MATH 1050 or 1080

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
CHEM 1210	4	CEEN 2010	3
CHEM 1215	1	CHEM 1220/1225	5
ENGL 1010	3	OR	
MATH 1210	4	PHYS 2220/2225	5
PHYS 2210	4	ENGR 1040	3
DISTRIBUTION	3	ENGL 2100	3
		MATH 1220	4
Total	**19**	**Total**	**18**

FALL SEMESTER		SPRING SEMESTER	
CEEN 1100	3	ARCH 1310	3
CEEN 2140	2	CEEN 2240	3
CEEN 2145	1	CEEN 2130	4
CEEN 2020	2	CHE 2300	2
EE 2200	1.5	MATH 2210	3
OR		DISTRIBUTION	3
MSE 2170	1.5		
MATH 2250	4		
AI	3		
Total	**16.5**	**Total**	**18**

COMPUTER ENGINEERING – ASSOCIATE OF PRE-ENGINEERING[CTE] (APE) 69 credits minimum

Engineering Department
Taylorsville Redwood Campus, SI 220
General Information, (801) 957-4073
Program Information, (801) 957-4780
http://www.slcc.edu/engineering
Academic Advisor, SI 209, (801) 957-4858

Program Faculty:
Professors – Nick Safai
Associate Professors – Francis Afghan, Lee Brinton, Holly Moore
Assistant Professors – Sara Farida

Program Description: Chemical engineering emphasizes physical, life and engineering sciences to convert raw materials into necessary materials and energy systems.

Civil/Environmental engineering encompasses a wide range of engineering projects dealing with buildings, bridges, dams, highways, transportation systems, water supply systems, fluid flow, water reclamation and geotechnical problems.

Computer engineering focuses on design and use of computers to solve and analyze math and physics problems.

Electrical engineering is a branch of applied physics, which uses mathematical concepts to analyze and design electrical devices and systems.

Materials science engineering involves chemistry and physics to develop scientific and engineering aspects of materials.

Mechanical engineering also uses math and physics to analyze and design mechanical devices and machine systems.

Manufacturing engineering focuses on methods and processes of manufacturing.

Transfer/Articulation Information: The associate of pre-engineering degree is offered in each of the seven engineering disciplines. It is a transfer degree similar to the associate of science degree, but has reduced General Education requirements. Current accreditation board of engineering and technology (ABET) standards require upper-division General Education courses. The engineering students who complete this degree may apply for advanced-placement at an engineering school, but must complete General Education requirements at the senior institution.

The University of Utah offers two different major options:
Computer Science
Computer Engineering
Students should see an advisor to adjust SLCC program requirements according to the major option they are pursing. Transfer students should also obtain advising regarding General Education requirements specific to Engineering major at the University of Utah.

Admission into an engineering major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Program Entry Requirements: Each program requires as a prerequisite a science-oriented high school curriculum which includes as much mathematics, chemistry, physics and English as possible. Students who do not qualify to enter MATH 1210, CHEM 1210 and ENGL 1010 should take prerequisite courses before entering the first semester of their program. Students who need to take preparatory courses to meet the requirements of first semester courses should plan on extra time to complete the program. Consult with the academic advisor concerning these courses. It is the student's responsibility to examine each course description for details of prerequisite courses. Those prerequisites must be satisfied before the designated class may be taken.

Estimated Time to Completion: If students follow the suggested sample schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
Students will demonstrate understanding of fundamental computer engineering science principles and be prepared to continue their studies toward a bachelor's degree in Computer Engineering at a 4-year university. Specifically, students will be able to: • Design and code using object oriented programming principles • Demonstrate an understanding of the basic principles associated with computer architectures • Demonstrate an understanding of discrete mathematics and algebraic structures as applied to computer science, • Apply these skills to design, build, and test projects involving simple electrical circuit.	1,3
Students who successfully complete this program will demonstrate the ability to communicate technical concepts in both written form and orally.	2
Students who successfully complete this program will understand the engineering approach to analysis and problem solving including developing a clear statement of objectives, identifying and evaluating potential strategies, analyzing results, and refining the solution.	4
Students who successfully complete this program will have an increased ability to engage civically.	5

GENERAL EDUCATION REQUIREMENTS

General Education requirement in this degree are reduced. Students who earn an Associate of Pre-Engineering degree will need to complete additional General Education requirement for a bachelor's degree at the receiving institution. Transfer student should obtain advising regarding General Education requirement specific to Engieering majors.

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better
OR				
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1210	Calculus I	4	A	Within the last year, MATH 1060 or MATH 1080 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

DISTRIBUTION AREAS:

Choose an additional nine credits from the three following distribution areas.

COURSE	CR
Fine Arts (FA)	3-4
Humanities (HU)	3
Social Science (SS)	3

REQUIRED COURSES: (47 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CHEM 1210	General Chemistry I	4	F, Sp	MATH 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215

ENGR 1040	Engineer Computing	3	F, Sp	MATH 1060 or 1080 (either may be taken concurrently)
CS 1410	Fund Programming	4	A	CS 1400
CS 2420	Algorithms & Data Struc	4	A	CS 1410
CS 2430	Discrete Structures	3	F, Sp	CS 2420
CS 2810	Computer Architecture	4	F, Sp	CS 1410
CPE 2700	Fund Digital Sys Design	4	Sp	CS 1600 and PHYS 2220
EE 1020	Elec Eng Prob w/Matlab	1	F, Sp	MATH 1060 or 1080 (Either may be taken concurrently)
EE 1030	UNIX for Elec Engr	1	F, Sp	
MATH 1220	Calculus II	4	A	Within the last year, MATH 1210 w/C grade or better
MATH 2210	Multivariate Calc	3	A	Within the last year, MATH 1220 w/C grade or better
MATH 2250	Diff EquaLin Alg	4	F, Sp	Within the last year, MATH 1220 w/C grade or better
PHYS 2210	Physics f/Sci & Eng I	4	A	MATH 1210. Recommended coreq: PHYS 2215
PHYS 2220	Physics f/Sci & Eng II	4	A	PHYS 2210 and MATH 1220. Recommended coreq: PHYS 2225

PROGRAM ELECTIVES:

COURSE		CR	SEM	PREREQUISITE
CPE 2720	Computer Design	2	F, Sp	EE 2700 or CPE 2700 (either may be taken concurrently)
CS 2000	Co-op Education	1	F, Sp	Instructor approval
CS 2900	Current Topics/CS	1	TBA	Instructor approval
EE 1010	IntrLbInstr/Mthds	1	F, Sp	
EE 1270	ElecCrcts/CmpEng	4	F, Sp	MATH 1220; PHYS 2210; EE 1020 or ENGR 1030 or ENGR 1040 (any may be taken concurrently)
EE 2260	Fund of Elec Cir	4	F, Sp	EE 1270 and PHYS 2220
EE 2280	Engineer Elec	4	F, Sp	EE 1270, MATH 2250, PHYS 2220

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ENGR 1040	3	CS 1410	4
ENGL 1010	3	EE 1020	1
MATH 1210	4	EE 1030	1
PHYS 2210	4	ENGL 2010/2100	3
AI	3	MATH 1220	4
		PHYS 2220	4
Total	**17**	**Total**	**17**
FALL SEMESTER		**SPRING SEMESTER**	
CS 2420	4	CS 2430	3
CPE 2700	4	CS 2810	4
CHEM 1210	4	MATH 2250	4
MATH 2210	3	DISTRIBUTION (2)	6
DISTRIBUTION	3		
Total	**18**	**Total**	**17**

Advising Notes:
Student planning to major in Computer Engineering at the University of Utah should also take CPE 2710, EE 1270, EE 2260 and EE 2280.

Students planning to major in Computer Engineering at Utah State University should take MATH 2270 and MATH 2280 in place of MATH 2250, both Physics labs (PHYS 2215 and PHYS 2225), EE 1270 and EE 2260.

ELECTRICAL ENGINEERING – ASSOCIATE OF PRE-ENGINEERING[CTE] (APE) 72 credits minimum

Engineering Department
Taylorsville Redwood Campus, SI 220
General Information, (801) 957-4073
Program Information, (801) 957-4780
http://www.slcc.edu/engineering
Academic Advisor, SI 209, (801) 957-4858

Program Faculty:
Professors – Nick Safai
Associate Professors – Francis Afghan, Lee Brinton, Holly Moore
Assistant Professors – Sara Farida

Program Description: Chemical engineering emphasizes physical, life and engineering sciences to convert raw materials into necessary materials and energy systems.

Civil/Environmental engineering encompasses a wide range of engineering projects dealing with buildings, bridges, dams, highways, transportation systems, water supply systems, fluid flow, water reclamation and geotechnical problems.

Computer engineering focuses on design and use of computers to solve and analyze math and physics problems.

Electrical engineering is a branch of applied physics, which uses mathematical concepts to analyze and design electrical devices and systems.

Materials science engineering involves chemistry and physics to develop scientific and engineering aspects of materials.

Mechanical engineering also uses math and physics to analyze and design mechanical devices and machine systems.

Manufacturing engineering focuses on methods and processes of manufacturing.

Transfer/Articulation Information: The associate of pre-engineering degree is offered in each of the seven engineering disciplines. It is a transfer degree similar to the associate of science degree, but has reduced General Education requirements. Current accreditation board of engineering and technology (ABET) standards require upper-division General Education courses. The engineering students who complete this degree may apply for advanced-placement at an engineering school, but must complete General Education requirements at the senior institution.

Admission into an engineering major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Program Entry Requirements: Each program requires as a prerequisite a science-oriented high school curriculum which includes as much mathematics, chemistry, physics and English as possible. Students who do not qualify to enter MATH 1210, CHEM 1210 and ENGL 1010 should take prerequisite courses before entering the first semester of their program. Students who need to take preparatory courses to meet the requirements of first semester courses should plan on extra time to complete the program. Consult with the academic advisor concerning these courses. It is the student's responsibility to examine each course description for details of prerequisite courses. Those prerequisites must be satisfied before the designated class may be taken.

Estimated Time to Completion: If students follow the suggested sample schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally

Students will demonstrate understanding of fundamental electrical engineering science principles and be prepared to continue their studies toward a bachelor's degree in Electrical Engineering at a 4-year university. Specifically, students will be able to: • Analyze electrical circuits using appropriate theoretical and mathematical principles and methods. • Use industry standard software to design and model electric circuits. • Use test and measurement equipment to analyze electrical circuits, • Apply these skills to design, build, and test projects involving simple electrical circuit.	1,3
Students who successfully complete this program will demonstrate the ability to communicate technical concepts in both written form and orally.	2
Students who successfully complete this program will understand the engineering approach to analysis and problem solving including developing a clear statement of objectives, identifying and evaluating potential strategies, analyzing results, and refining the solution.	4
Students who successfully complete this program will have an increased ability to engage civically.	5

GENERAL EDUCATION REQUIREMENTS

General Education requirement in this degree are reduced. Students who earn an Associate of Pre-Engineering degree will need to complete additional General Education requirement for a bachelor's degree at the receiving institution. Transfer student should obtain advising regarding General Education requirement specific to Engineering majors.

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better
OR				
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1210	Calculus I	4	A	Within the last year, MATH 1060 or MATH 1080 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

DISTRIBUTION AREAS:

Choose an additional nine credits from the three following distribution areas.

COURSE	CR
Fine Arts (FA)	3-4
Humanities (HU)	3
Social Science (SS)	3

REQUIRED COURSES: (50 CREDITS)

COURSE		CR	SEM	PREREQUISITE
*CHE 2300	Engr Thermodyncs	2	F, Sp	CHEM 1210 and MATH 1220. Recommended prereq: PHYS 2210
CHEM 1210	GeneralChemistry I	4	F, Sp	MATH 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1215	Gen Chemistry Lab I	1	F, Sp	MATH 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1210
CS 1600	Struct Program C C++	4	Sp	MATH 1060 or 1080 (either may be taken concurrently)
EE 1010	Lab Inst & Meth	1	F, Sp	

EE 1020	Elect Eng Prob	1	F, Sp	MATH 1060 or 1080 (may be taken concurrently)
EE 1030	UNIX f/EE Students	1	F, Sp	
EE 1270	Intro to Elect Circts	4	F, Sp	MATH 1210; PHYS 2210; EE 1020 or ENGR 1030 or ENGR 1040 (any may be taken concurrently)
EE 2260	Fund of Elec Cir	4	F, Sp	EE 1270 and PHYS 2220
EE 2280	Fnds of Engr Elect	4	F, Sp	EE 1270, MATH 2250, PHYS 2220
EE 2700	Fund Digital Sys Design	4	Sp	CS 1600 and PHYS 2220
MATH 1220	Calculus II	4	A	Within the last year, MATH 1210 w/C grade or better
MATH 2210	Multivariate Calc	3	A	Within the last year, MATH 1220 w/C grade or better
MATH 2250	Diff EquaLin Alg	4	F, Sp	Within the last year, MATH 1220 w/C grade or better
PHYS 2210	Physics f/Sci & Eng I	4	A	MATH 1210. Recommended coreq: PHYS 2215
**PHYS 2215	Physics f/Sci & Engr Lab I	1	A	MATH 1210. Recommended coreq: PHYS 2220
PHYS 2220	Physics f/Sci & Eng II	4	A	PHYS 2210 and MATH 1210. Recommended coreq: PHYS 2225

*Students may elect to complete this course during their junior year if they plan to attend the University of Utah.
**Not required at University of Utah; Utah State University required the labs for both Physics courses.

PROGRAM ELECTIVES:

COURSE		CR	SEM	PREREQUISITE
CS 1410	Obj Oriented Progr	4	A	CS 1400
CS 2420	Intro Algorithms/Data	4	A	CS 1410
EE 2000	CO-OP Education	1-2	A	Instructor approval

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
CHEM 1210	4	CS 1600	4
CHE 1214	1	EE 1020	1
EE 1030	1	ENGL 2010/2100	3
ENGL 1010	3	MATH 1220	4
MATH 1210	4	PHYS 2210/2215	6
AI	3		
Total	**16**	**Total**	**17**

FALL SEMESTER		SPRING SEMESTER	
CHE 2300	2	EE 2260	4
EE 1010	1	EE 2280	4
EE 1270	4	EE 2700	4
MATH 2250	4	MATH 2210	3
PHYS 2220	4	DISTRIBUTION	3
DISTRIBUTION (2)	6		
Total	**21**	**Total**	**18**

Advising Notes:
Student planning to major in Electrical Engineering at Utah State University should take MATH 2270 and MATH 2280 in place MATH 2250, both Physics labs (PHYS 2215 and PHYS 2225), and CS 1400 and CS 1410 in place of CS 1600.

MANUFACTURING ENGINEERING – ASSOCIATE OF PRE-ENGINEERING[CTE] (APE) 65 credits minimum

Engineering Department
Taylorsville Redwood Campus, SI 220
General Information, (801) 957-4073
Program Information, (801) 957-4780
http://www.slcc.edu/engineering
Academic Advisor, SI 209, (801) 957-4858

Program Faculty:
Professors – Nick Safai
Associate Professors – Francis Afghan, Lee Brinton, Holly Moore
Assistant Professors – Sara Farida

Program Description: Chemical engineering emphasizes physical, life and engineering sciences to convert raw materials into necessary materials and energy systems.

Civil/Environmental engineering encompasses a wide range of engineering projects dealing with buildings, bridges, dams, highways, transportation systems, water supply systems, fluid flow, water reclamation and geotechnical problems.

Computer engineering focuses on design and use of computers to solve and analyze math and physics problems.

Electrical engineering is a branch of applied physics, which uses mathematical concepts to analyze and design electrical devices and systems.

Materials science engineering involves chemistry and physics to develop scientific and engineering aspects of materials.

Mechanical engineering also uses math and physics to analyze and design mechanical devices and machine systems.

Manufacturing engineering focuses on methods and processes of manufacturing.

Transfer/Articulation Information: The associate of pre-engineering degree is offered in each of the seven engineering disciplines. It is a transfer degree similar to the associate of science degree, but has reduced General Education requirements. Current accreditation board of engineering and technology (ABET) standards require upper-division General Education courses. The engineering students who complete this degree may apply for advanced-placement at an engineering school, but must complete General Education requirements at the senior institution.

Admission into an engineering major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Students transferring to Weber State University or Brigham Young University should refer to the Manufacturing Engineering Technology AS degree.

Program Entry Requirements: Each program requires as a prerequisite a science-oriented high school curriculum which includes as much mathematics, chemistry, physics and English as possible. Students who do not qualify to enter MATH 1210, CHEM 1210 and ENGL 1010 should take prerequisite courses before entering the first semester of their program. Students who need to take preparatory courses to meet the requirements of first semester courses should plan on extra time to complete the program. Consult with the academic advisor concerning these courses. It is the student's responsibility to examine each course description for details of prerequisite courses. Those prerequisites must be satisfied before the designated class may be taken.

Estimated Time to Completion: If students follow the suggested sample schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
Be prepared for further study in Manufacturing Engineering or related disciplines at a four-year college or university.	1,5
Understand key concepts, definitions, formulas, applications, design & analysis of Manufacturing field.	1,3
Understand the mathematical tools necessary to perform engineering calculations – in particular Calculus, Linear Algebra & Differential Equations.	1,3
Develop the laboratory skills necessary to design, develop, build and perform scientific & engineering experiments, to be able to interpret collected data, and create an effective technical report/paper.	1,3,4
Be able to solve complex problems in science & manufacturing engineering using critical thinking skills.	1,4
Effectively communicate scientific and engineering concepts both orally and in writing.	2

GENERAL EDUCATION REQUIREMENTS

General Education requirement in this degree are reduced. Students who earn an Associate of Pre-Engineering degree will need to complete additional General Education requirement for a bachelor's degree at the receiving institution. Transfer student should obtain advising regarding General Education requirement specific to Engineering majors.

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better
OR				
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1210	Calculus I	4	A	Within the last year, MATH 1060 or MATH 1080 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

DISTRIBUTION AREAS:

Choose an additional nine credits from the three of the following distribution areas.

COURSE	CR
Fine Arts (FA)	3-4
Humanities (HU)	3
Social Science (SS)	3

REQUIRED COURSES: (43 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CEEN 2010	Statics	3	F, Sp	MATH 1210. Recommended prereq: PHYS 2210
CEEN 2450	Num Tech	2	Sp	ENGR 1030 or 1040; MATH 2250
CHEM 1210	GeneralChemistry I	4	F, Sp	MATH 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1215	Gen Chem Lab I	1	F, Sp	MATH 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1210
CHEM 1220	GeneralChemistryII	4	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1225

CHEM 1225	Gen Chem Lab II	1	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1220
ENGR 1040	Engineer Comp	3	F, Sp	MATH 1060 or 1080 (either may be taken concurrently)
CS 1410	Object Orient Program	4	A	CS 1400
MATH 1220	Calculus II	4	A	Within the last year, MATH 1210 w/C grade or better
MATH 2210	Multivariate Cal	3	A	Within the last year, MATH 1220 w/C grade or better
MATH 2250	Diff Equat Alg	4	F, Sp	Within the last year, MATH 1220 w/C grade or better
PHYS 2210	Physics f/Sci & Eng I	4	A	MATH 1210. Recommended coreq: PHYS 2215
PHYS 2215	Physics f/Sci&Eng L I	1	A	MATH 1210. Recommended coreq: PHYS 2210
PHYS 2220	Physics f/Sci&Eng II	4	A	PHYS 2210 and MATH 1210. Recommended coreq: PHYS 2225
PHYS 2225	Physics f/Sci&Eng LII	1	A	PHYS 2210 and MATH 1210. Recommended coreq: PHYS 2220

PROGRAM ELECTIVES:

COURSE		CR	SEM	PREREQUISITE
MEEN 2000	CO-OP Education	1-2	A	Instructor approval

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
CHEM 1210	4	CHEM 1220	4
CHEM 1215	1	CHEM 1225	1
MATH 1210	4	ENGR 1040	3
PHYS 2210	4	MATH 1220	4
PHYS 2215	1	PHYS 2220	4
AI	3	PHYS 2225	1
Total	**17**	**Total**	**17**

FALL SEMESTER		SPRING SEMESTER	
CEEN 2010	3	CEEN 2450	2
CS 1410	4	MATH 2250	4
ENGL 1010	3	ENGL 2010/2100	3
MATH 2210	3	DISTRIBUTION (2)	6
DISTRIBUTION	3		
Total	16	**Total**	**15**

MATERIALS SCIENCE ENGINEERING – ASSOCIATE OF PRE-ENGINEERING[CTE] (APE) 74 credits minimum

Engineering Department
Taylorsville Redwood Campus, SI 220
General Information, (801) 957-4073
Program Information, (801) 957-4780
http://www.slcc.edu/engineering
Academic Advisor, SI 209, (801) 957-4858

Program Faculty:
Professors – Nick Safai
Associate Professors – Francis Afghan, Lee Brinton, Holly Moore
Assistant Professors – Sara Farida

Program Description: Chemical engineering emphasizes physical, life and engineering sciences to convert raw materials into necessary materials and energy systems.

Civil/Environmental engineering encompasses a wide range of engineering projects dealing with buildings, bridges, dams, highways, transportation systems, water supply systems, fluid flow, water reclamation and geotechnical problems.

Computer engineering focuses on design and use of computers to solve and analyze math and physics problems.

Electrical engineering is a branch of applied physics, which uses mathematical concepts to analyze and design electrical devices and systems.

Materials science engineering involves chemistry and physics to develop scientific and engineering aspects of materials.

Mechanical engineering also uses math and physics to analyze and design mechanical devices and machine systems.

Manufacturing engineering focuses on methods and processes of manufacturing.

Transfer/Articulation Information: The associate of pre-engineering degree is offered in each of the seven engineering disciplines. It is a transfer degree similar to the associate of science degree, but has reduced General Education requirements. Current accreditation board of engineering and technology (ABET) standards require upper-division General Education courses. The engineering students who complete this degree may apply for advanced-placement at an engineering school, but must complete General Education requirements at the senior institution.

Admission into an engineering major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Program Entry Requirements: Each program requires as a prerequisite a science-oriented high school curriculum which includes as much mathematics, chemistry, physics and English as possible. Students who do not qualify to enter MATH 1210, CHEM 1210 and ENGL 1010 should take prerequisite courses before entering the first semester of their program. Students who need to take preparatory courses to meet the requirements of first semester courses should plan on extra time to complete the program. Consult with the academic advisor concerning these courses. It is the student's responsibility to examine each course description for details of prerequisite courses. Those prerequisites must be satisfied before the designated class may be taken.

Estimated Time to Completion: If students follow the suggested sample schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally

Be prepared for further study in Materials Science Engineering or a related discipline at a four-year college or university.	1
Understand the fundamentals of physical science, in particular inorganic chemistry, organic chemistry and physics	1
Understand the mathematical tools necessary to perform engineering calculations – in particular Calculus, Linear Algebra and Differential Equations	1,3
Develop the laboratory skills necessary to design and perform scientific and engineering experiments, and to be able to interpret collected data.	1,3,4
Be able to solve complex problems in engineering and science using critical thinking skills	1,4
Effectively communicate scientific and engineering concepts both orally and in writing	2

GENERAL EDUCATION REQUIREMENTS

General Education requirement in this degree are reduced. Students who earn an Associate of Pre-Engineering degree will need to complete additional General Education requirement for a bachelor's degree at the receiving institution. Transfer student should obtain advising regarding General Education requirement specific to Engineering majors.

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better
OR				
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1210	Calculus I	4	A	Within the last year, MATH 1060 or MATH 1080 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

DISTRIBUTION AREAS:

Choose an additional six credits from two of the following distribution areas.

COURSE	CR
Fine Arts (FA)	3-4
Humanities (HU)	3
Social Science (SS)	3

REQUIRED COURSES: (55 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CEEN 2010	Statics	3	F, Sp	MATH 1210. Recommended prereq: PHYS 2210
CEEN 2140	Strength Mtls I	2	F, Sp	CEEN 2010, w/MATH 2250
CHEM 1210	General Chemistry I	4	F, Sp	MATH 1050 w/C grade or better or appropriate Accuplacer score. Recommeded coreq: CHEM 1215
CHEM 1215	Gen Chem Lab I	1	F, Sp	MATH 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1210
CHEM 1220	General ChemistryII	4	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1225
CHEM 1225	Gen Chem Lab II	1	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1220
CHEM 2310	Organic Chem I	4	A	CHEM 1220. Recommended coreq: CHEM 2315
ENGR 1040	Engineer Comp	3	F, Sp	MATH 1060 or 1080 (either may be taken concurrently)
EE 2210	Elet Eng f/non EEmaj	3	F, Sp	PHYS 2220; MATH 2250 (may be taken concurrently)
MATH 1220	Calculus II	4	A	Within the last year, MATH 1210 w/C grade or better
MATH 2210	Multivariate Cal	3	A	Within the last year, MATH 1220 w/C grade or better
MATH 2250	Diff Equ Alg	4	F, Sp	Within the last year, MATH 1220 w/C grade or better

MSE 2010	Int Mat Sci Eng	4	F	CHEM 1220
MSE 2210	Elec Prop Mtls	3	Sp	CHEM 1220, MSE 2010, PHYS 2220
MSE 2410	Intro to Polymrs	3	Sp	CHEM 1220,MSE 2010
PHYS 2210	Physics f/Sci & Eng I	4	A	MATH 1210. Recommended coreq: PHYS 2215
PHYS 2215	Physics f/Sci&Eng L I	1	A	MATH 1210. Recommended coreq: PHYS 2210
PHYS 2220	Physics f/Sci&Eng II	4	A	PHYS 2210 and MATH 1210. Recommended coreq: PHYS 2225

PROGRAM ELECTIVES:

COURSE		CR	SEM	PREREQUISITE
CEEN 2450	Num Tech	2	Sp	ENGR 1030 or 1040; MATH 2250. Recommended prereq: MATH 2210
CHEM 2320	Organic Chem II	5	A	CHEM 2310 w/C grade or better. Recommended coreq: CHEM 2325
MSE 2000	CO-OP Education	1-2	A	Departmental approval

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
CHEM 1210	4	CHEM 1220	4
CHEM 1215	1	CHEM 1225	1
ENGR 1040	3	ENGL 1010	3
MATH 1210	4	MATH 1220	4
PHYS 2210	4	PHYS 2220	4
PHYS 2215	1		
Total	**17**	**Total**	**16**

FALL SEMESTER		SPRING SEMESTER	
CEEN 2010	3	CEEN 2140	2
CHEM 2310	4	EE 2210	3
ENGL 2010/2100	3	MATH 2250	4
MATH 2210	3	MSE 2210	3
MSE 2010	4	MSE 2410	3
DISTRIBUTION	3	AI	3
		DISTRIBUTION	3
Total	**20**	**Total**	**21**

MECHANICAL ENGINEERING – ASSOCIATE OF PRE-ENGINEERING[CTE] (APE) 73 credits minimum

Engineering Department
Taylorsville Redwood Campus, SI 220
General Information, (801) 957-4073
Program Information, (801) 957-4780
http://www.slcc.edu/engineering
Academic Advisor, SI 209, (801) 957-4858

Program Faculty:
Professors – Nick Safai
Associate Professors – Francis Afghan, Lee Brinton, Holly Moore
Assistant Professors – Sara Farida

Program Description: Chemical engineering emphasizes physical, life and engineering sciences to convert raw materials into necessary materials and energy systems.

Civil/Environmental engineering encompasses a wide range of engineering projects dealing with buildings, bridges, dams, highways, transportation systems, water supply systems, fluid flow, water reclamation and geotechnical problems.

Computer engineering focuses on design and use of computers to solve and analyze math and physics problems.

Electrical engineering is a branch of applied physics, which uses mathematical concepts to analyze and design electrical devices and systems.

Materials science engineering involves chemistry and physics to develop scientific and engineering aspects of materials.

Mechanical engineering also uses math and physics to analyze and design mechanical devices and machine systems.

Manufacturing engineering focuses on methods and processes of manufacturing.

Transfer/Articulation Information: The associate of pre-engineering degree is offered in each of the seven engineering disciplines. It is a transfer degree similar to the associate of science degree, but has reduced General Education requirements. Current accreditation board of engineering and technology (ABET) standards require upper-division General Education courses. The engineering students who complete this degree may apply for advanced-placement at an engineering school, but must complete General Education requirements at the senior institution.

Admission into an engineering major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Program Entry Requirements: Each program requires as a prerequisite a science-oriented high school curriculum which includes as much mathematics, chemistry, physics and English as possible. Students who do not qualify to enter MATH 1210, CHEM 1210 and ENGL 1010 should take prerequisite courses before entering the first semester of their program. Students who need to take preparatory courses to meet the requirements of first semester courses should plan on extra time to complete the program. Consult with the academic advisor concerning these courses. It is the student's responsibility to examine each course description for details of prerequisite courses. Those prerequisites must be satisfied before the designated class may be taken.

Estimated Time to Completion: If students follow the suggested sample schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally

1. Be prepared for further study in Mechanical Engineering or related disciplines at a four-year college or university.	1,5
2. Understand key concepts, definitions, formulas, applications, design & analysis of mechanical field.	1,3
3. Understand the mathematical tools necessary to perform engineering calculations – in particular Calculus, Linear Algebra & Differential Equations.	1,3
4. Develop the laboratory skills necessary to design, develop, build and perform scientific & engineering experiments, to be able to interpret collected data, and create an effective technical report/paper.	1,3,4
5. Be able to solve complex problems in science & mechanical engineering using critical thinking skills.	1,4
6. Effectively communicate scientific and engineering concepts both orally and in writing.	2

GENERAL EDUCATION REQUIREMENTS

General Education requirement in this degree are reduced. Students who earn an Associate of Pre-Engineering degree will need to complete additional General Education requirement for a bachelor's degree at the receiving institution. Transfer student should obtain advising regarding General Education requirement specific to Engineering majors.

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better
OR				
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1210	Calculus I	3	A	Within the last year, MATH 1060 or MATH 1080 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

DISTRIBUTION AREAS:

Choose an additional six credits from two of the following distribution areas.

COURSE	CR
Fine Arts (FA)	3-4
Humanities (HU)	3
Social Science (SS)	3

REQUIRED COURSES: (55 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CHEM 1210	General Chem I	4	F, Sp	MATH 1050 w/C grade or better or appropriate Accuplacer score. Recommeded coreq: CHEM 1215
CHEM 1215	Gen Chem Lab I	1	F, Sp	MATH 1050 w/C grade or better or appropriate Accuplacer score. Recommeded coreq: CHEM 1210
ENGR 1030	MatLab Problem Solving	3	A	MATH 1060 or 1080
ENGR 2950	Engineering Seminar	1	F,Sp	
EE 2210	Elec En/Non EE	3	F, Sp	PHYS 2220; MATH 2250 (may be taken concurrently)
MATH 1220	Calculus II	4	A	Within the last year, MATH 1210 w/C grade or better.
MATH 2210	Multivariate Cal	3	A	MATH 1220 w/C grade or better
MATH 2250	Diff Equ/Lin Alg	4	F, Sp	MATH 1220 w/C grade or better
MEEN 1050	Des&Visual Comm	3	F, Sp	Recommended prereq: MATH 1050 or 1080
MEEN 2010	Statics	3	A	MATH 1210. Recommended prereq: PHYS 2210
MEEN 2020	Dynamics I	2	F, Sp	MEEN 2010

MEEN 2060	Dynamics II	2	Sp	MEEN 2020. Recommended prereq: MATH 2250
MEEN 2140	Strength Mtls I	2	F, Sp	MEEN 2010 and MATH 2250 (either may be taken concurrently)
*MEEN 2145	Strgth of MatLab	1	F, Sp	Recommended coreq: MEEN 2140
MEEN 2300	Thermodynamics	3	F, Sp	CHEM 1210 and MATH 1220. Recommended prereq: PHYS 2210
MEEN 2450	Numerical Methods	2	A	ENGR 1030 or 1040; and MATH 2250. Recommended prereq: MATH 2210
MEEN 2655	Engr Manufacturing Lab	2	A	MEEN 1050
MSE 2160	Elem Mat Eng	3	F	CHEM 1210
PHYS 2210	Physics f/Sci & Eng I	4	A	MATH 1210. Recommended coreq: PHYS 2215
PHYS 2220	Physics f/Sci&Eng II	4	A	MATH 1220 and PHYS 2210. Recommended coreq: PHYS 2225

*Not required at the University of Utah

PROGRAM ELECTIVES:

COURSE		CR	SEM	PREREQUISITE
MEEN 2000	CO-OP Education	1-2	A	Instructor approval

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
ENGL 1010	3	ENGL 2010/2100	3
MATH 1210	4	MATH 1220	4
CHEM 1210	4	MEEN 2010	3
CHEM 1215	1	PHYS 2220	4
MEEN 1050	3	AI	3
PHYS 2210	4	ENGR 2950	1
Total	**19**	**Total**	**18**

FALL SEMESTER		SPRING SEMESTER	
ENGR 1030	3	EE 2210	3
MATH 2250	4	MATH 2210	3
MEEN 2140	2	MEEN 2060	2
MEEN 2145	1	MEEN 2450	2
MEEN 2020	2	MEEN 2655	2
MSE 2160	3	MEEN 2300	3
DISTRIBUTION	3	DISTRIBUTION	3
Total	**18**	**Total**	**18**

Advising Note: Students planning to major in Mechanical Engineering at Utah State University also need both Physics Labs (PHYS 2215 and PHYS 2225)

ENGINEERING DESIGN/DRAFTING TECHNOLOGY – ASSOCIATE OF SCIENCE[CTE] (AS)

64 credits minimum; 22 credits beyond AAS

Division of Natural Sciences
Taylorsville Redwood Campus, SI 341
General Information, (801) 957-4827
Program Information, (801) 957-4150
http://www.slcc.edu/drafting
Academic Advisor, SI 209, (801) 957-4858

Program Faculty:
Instructors – Joel Clarkston, Michael Stenquist

Program Description: The AS Degree focusing on Engineering Design/Drafting Technology is designed for students who have completed an AAS in Engineering Design/Drafting and who are interested in transferring to UVU Technology Management Bachelor's degree. The program allows the courses that are required in the AAS degree to be combined with additional General Education courses to satisfy AS degree requirements.

Transfer/Articulation Information: Upon completion of the AS degree, students should be able to transfer as juniors to UVU Technology Management Bachelor's program (see a transfer advisor). Students who transfer before completing the AAS and the AS in Engineering Design/Drafting Technology must see the UVU advisor about specific requirement they may still need to complete; including MATH 1040.

Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

GENERAL EDUCATION REQUIREMENTS (BEYOND THOSE COMPLETED FOR AAS)

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) COMPLETED IN AAS DEGREE

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas *except for the one selected for the AAS degree*. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3
Physical Science (PS)	3

NOTE: LE 1220 satisfies the Social Science (SS) and COMM 2110 satisfies the Interdisciplinary (ID) distribution are requirements.

ENGINEERING DESIGN/DRAFTING TECHNOLOGY – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 64 credits minimum

Division of Natural Sciences
Taylorsville Redwood Campus, SI 341
General Information, (801) 957-4827
Program Information, (801) 957-4150
http://www.slcc.edu/drafting
Academic Advisor, SI 209, (801) 957-4858

Program Faculty:
Instructors – Joel Clarkston, Michael Stenquist

Program Description: Engineering Design/Drafting Technology is a profession that encompasses a variety of engineering disciplines that are always in high demand: mechanical, civil, piping, electronics, structural, and industrial. Students develop skills in technical drafting, CAD (Computer Aided Design), and the drafting practices specific to each of these discipline areas. Drafters and designers are an integral part of a project team in every field, developing the drawings and designs for fabrication and construction.

The AAS degree provides, in addition to the certificate, an emphasis in specific discipline areas such as: electromechanical, structural steel detailing, piping, and civil, and depth in CAD areas such as customization, solid modeling, and discipline specific software. Courses covering design theory, manufacturing processes and problem-solving, as well as elective depth courses in related areas provide knowledge and skills that will enhance the students' ability to advance to the level of designer in industry.

Career Opportunities: AAS degree students or students with one year of experience develop their own drawings from design specifications or field sketches and can expect between $15 and $17 to start. Two to four years of work experience will generally raise the employee to the level of designer at salaries from $38,000 to $52,000 per year.

Transfer/Articulation Information: Students who earn an AAS degree in Engineering Design/Drafting Technology have the option to transfer into the Technology Management Bachelor Degree at Utah Valley University. UVU will accept up to 45 technical credits towards this degree. Contact the University Center for current information: http://www.slcc.edu/universitycenterprograms

Estimated Time to Completion: If students follow the sample schedule, time to completion is 18 months

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
General Education Basic communication Writing Human Relations General Education Distribution Quantitative literacy	2,3,5
Drafting and CAD Fundamentals Students will: • produce drawings that demonstrate competency in manual drafting techniques and are neat and professional • demonstrate proficiency with drafting tools • demonstrate understanding of technical terminology used in drafting (EDDT 1010)	1
Students will: • produce drawings that demonstrate competency in AutoCAD and are neat and professional	1

• demonstrate proficiency with drawing and screen setup: layouts, layers, dimension styles, scale factors, blocks, profiles, and plotting • demonstrate knowledge of CAD commands and use them appropriately for efficiency and accuracy. (EDDT 1040, 1100)	
Students will: • produce flat pattern layouts, mechanical detail and assembly drawings that demonstrate correct use of ANSI standards, datums, and critical dimensions for dimensioning and drawing layout • demonstrate ability to calculate precision fits, tolerances, and allowances at MMC and LMC. • demonstrate ability to select appropriate parts from catalog data. • demonstrate ability to read complex blueprints, notes, detail and assembly documentation with multiple configurations. • Students will demonstrate fundamental knowledge of drafting principles in specialized disciplines: electronic drafting, steel detailing, civil drafting, and pipe drafting (EDDT 1200)	1
Depth in Technical Design • Students will: • demonstrate knowledge of industrial materials and processes and the principles of material behavior. • demonstrate ability to apply this knowledge in hands-on lab experience with molding, casting and forming. • participate as a member of a design team to create designs and finished products (EDDT2340, EDDT2350)	1,2
Students will: • demonstrate knowledge of formulas for calculating static forces, centroid, moment of ineritia, bending moment, deflection, stresses, and material strength. • demonstrate ability to apply and manipulate formulas and evaluate results. • demonstrate critical thinking and understanding of the design process (EDDT2160)	1,3
Students will: • demonstrate knowledge of Geometric Dimensioning and Tolerancing symbols and applications of form, function, and tolerances. • produce drawings with correctly applied symbols. • demonstrate understanding of the use of GD&T in automated manufacturing and quality inspection (EDDT2540)	1
Discipline Specific Drafting and Design Students will: • demonstrate proficient competencies in the use of MicroStation commands as well as appropriate application of these functions to civil drawings. • demonstrate knowledge and application of Land Development software in the production of various civil drawings • demonstrate understanding of mapping definitions, geographic terms, survey data and field notes. • produce boundary plans, contour maps, profiles and sections and road alignments consistent with industry standards. • (EDDT1420, EDDT2190)	1
Students will: • produce electronic diagrams, schematics, detail, and assembly drawings per ANSI and industry standards. • demonstrate knowledge of schematic and logic symbols, reference designations, and electronic components (EDDT2180)	1
Students will: • demonstrate ability to apply formulas and standards of the AISC manual	1

to structural design requirements. • produce steel fabrication drawings and layouts consistent with industry standards. • demonstrate knowledge of symbols, terminology, and industry requirements associated with structural steel drafting (EDDT2240)	
Students will: • demonstrate understanding of piping definitions, standard terms, symbols, and specifications and extract data from vendor catalogs to draw piping components and equipment. • produce piping flow diagrams, site plans, elevations, and spool drawings per industry standards (EDDT2360)	1
Students will: • demonstrate knowledge of SolidWorks solid modeling tools, creating and defining sketches, 3D features, mating assemblies, design tables, and fabrication and assembly drawings from models. • produce accurate parts, assemblies, and drawings per industry standard. • demonstrate the ability to analyze design intent and process (EDDT2600)	1
Elective Courses • Depth in Software Applications • Students will learn AutoCAD customization for specific user needs (ARCH2330)	1
Students will: • demonstrate proficient competencies in the use of advanced MicroStation design tools and drawing management techniques. • Demonstrate ability to create, import and manage seed and reference files. • 3D modeling (EDDT2420)	1
Students will: • demonstrate knowledge of advanced design techniques and criteria for design. • utilize CosmosWorks and other evaluation tools to analyze mechanical designs (EDDT 2700)	1
Students will: • demonstrate ability to create parts and assemblies in AutoDesk Inventor. • produce parts and drawings per industry standards • (EDDT 2710)	1
Depth in Structural/Civil Discipline Areas • Architectural drawing and modeling (ARCH2310, ARCH2350).	1
• Fundamentals of surveying field techniques (SVT1110, SVT1030)	1
• Applied survey drafting (SVT2290)	1
Depth in Mechanical/Manufacturing Discipline Areas Students will: • demonstrate knowledge of safety rules and identify the various machining processes and equipment. • demonstrate competency in the operation of lathes, grinders and mills. • produce precision parts to design specification and demonstrate the ability to use precision measuring equipment (MCCT1500, 1510)	1
Students will: • demonstrate ability to produce CNC code and select the proper machining process by programming and building projects on CNC mills and lathes • demonstrate knowledge of safety regulation when working in the machine shop. • demonstrate an understanding of tolerance limits and verify that	1

projects meet blueprint requirements (MCCT1600, 1610)	

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1060	Trignometry	3	A	RDG 0990; within the last year MATH 1050 w/C grade or better or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

NOTE: Students who may want to pursue an AS degree in the future should take either LE 1220, as it meets the Social Science (SS), or COMM 2110, as it meets the Interdisciplinary (ID) requirement.

DISTRIBUTION AREAS: (3 CREDITS)

Choose an additional three credits from one of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (37 CREDITS)

COURSE		CR	SEM	PREREQUISITE
*EDDT 1010	Tech Drafting I	3	A	
*EDDT 1040	Intro to CAD	3	A	
EDDT 1100	Adv AutoCAD	2	A	EDDT 1040
EDDT 1200	Tech Drafting II	4	A	EDDT 1010 and EDDT 1100 (may be taken concurrently)
EDDT 1420	Basic MicroStn	2	A	
EDDT 2160	Statics & Strgth of Mat	5	F	MATH 1060 or 1080
EDDT 2180	Elec Drafting	3	F	EDDT 1100
EDDT 2190	Civil Drafting	2	F, Sp	EDDT 1040 and 1420
EDDT 2240	Steel Detailing	3	F	EDDT 1040 and MATH 1010
EDDT 2340	Manufacturing Process	2	F, Sp	EDDT 1040 (may be taken concurrently) Coreq: EDDT 2350
EDDT 2350	Manufac Process Lab	1	F, Sp	Coreq: EDDT 2340
EDDT 2360	Pipe Drafting	2	Sp	EDDT 1040 or 1420
EDDT 2540	Geo Dimen Tol	2	Sp	EDDT 1040
EDDT 2600	Modeling w/ SolidWorks	3	F, Sp	EDDT 1040 or CAD experience

*May be waived for equivalent experience or course.

ELECTIVE COURSES: (SELECT 12 CREDITS FROM THE FOLLOWING)

Elective courses provide additional depth in specific discipline areas of design/drafting. Students should select electives from the area in which they want specialization.

GENERAL ELECTIVES

COURSE		CR	SEM	PREREQUISITE
EDDT 2990	Special Topics	1-5	A	Instructor approval
ARCH 2330	CAD Customization	3	Sp	ARCH 1310 or EDDT 1100 or Instructor approval

MECHANICAL ELECTIVES

COURSE		CR	SEM	PREREQUISITE
EDDT 2700	Adv Solid Works	2	F, Sp	EDDT 2600 or equivalent experience
EDDT 2710	AD Inventor 3D Modeling	2	F	AutoCAD experience
MCCT 1500	Manual Machining	2	F	Coreq: MCCT 1510
MCCT 1510	Manual Mach Lab	1	F	Coreq: MCCT 1500
MCCT 1600	CNC Machine Theo	2	Sp	Coreq: MCCT 1610
MCCT 1610	CNC Machining Lab	1	Sp	Coreq: MCCT 1600
MCCT 2650	CAD/CAM	2	Sp	EDDT 2540 or conc. & EDDT 2600

STRUCTURAL/CIVIL ELECTIVES

COURSE		CR	SEM	PREREQUISITE
ARCH 2310	Model/Rend/Animation	3	F	ARCH 1310 or EDDT 1040
ARCH 2350	Adv Architectural CAD	3	Sp	
EDDT 2420	Adv MicroStation	2	Sp	EDDT 1420
SVT 1110	Surveying Math I	4	F	MATH 1060 or appropriate Accuplacer score
SVT 1030	Survey Field Tech	3	Sp	SVT 1110 or MATH 1060
SVT 2290	App Survey Draft	3	Sp	EDDT 2190 and SVT 1030

SAMPLE SCHEDULE

FALL SEMESTER		**SPRING SEMESTER**	
CM	3	EDDT 1200	4
EDDT 1010	3	EDDT 1420*	2
EDDT 1040*	3	EDDT 2190*	2
EDDT 1100*	2	EDDT 2340	2
DISTRIBUTION	3	EDDT 2350	1
		EDDT 2540	2
		MATH 1060	3
Total	**14**	**Total**	**16**

SUMMER SEMESTER**

FALL SEMESTER		**SPRING SEMESTER**	
EDDT 2160	5	EDDT 2240	3
EDDT 2180	3	EDDT 2360	2
EDDT 2600	3	EDDT ELEC	9
EDDT ELEC	3	HR	3
ENGL 1010	3		
Total	**17**	**Total**	**17**

*EDDT 1040 is taught the first half-term (8 weeks) of the semester and EDDT 1100 is taught the second half-term of the semester so students can take both in one semester. EDDT 1420 is taught the first half-term (8 weeks) of the semester and EDDT 2190 is taught the second half-term of the semester so students can take both in one semester.

**EDDT classes are offered summer term as requested by students. Classes taken summer can reduce the credit hours required in other semesters or shorten the time to acquire the degree.

***EDDT evening classes are generally offered on alternating semesters than those listed or in summer term.

Advising Notes: All courses required in the one-year Certificate of Completion in Engineering Drafting Technology are also required in the AAS degree. Many students earn the certificate and begin work then return in the evening program to earn the AAS degree for advancement and higher wages.

ENGINEERING DRAFTING AND MANUFACTURING TECHNOLOGY – CERTIFICATE OF COMPLETION [CTE] 29 credits minimum

Division of Natural Sciences
Taylorsville Redwood Campus, SI 341
General Information, (801) 957-4827
Program Information, (801) 957-4150
http://www.slcc.edu/drafting
Academic Advisor, SI 209, (801) 957-4858

Program Faculty:
Instructors – Joel Clarkston, Michael Stenquist

Program Description: Engineering Design/Drafting Technology is a profession that encompasses a variety of engineering disciplines that are always in high demand: mechanical, civil, piping, electronics, structural, and industrial. Students develop skills in technical drafting, CAD (Computer Aided Design), and the drafting practices specific to each of these discipline areas. Drafters and designers are an integral part of a project team in every field, developing the drawings and designs for fabrication and construction.

STUDENT ORGANIZATIONS
Skills USA - All students enrolled in the engineering design/drafting technology program are members of Skills USA, sponsor of the Professional Development Program (PDP). This program is designed to promote leadership, communication, social, and employability skills.

Estimated Time to Completion: If students follow the sample schedule, time to completion is two semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
General Education Basic Communication Human Relations Quantitative Literacy	2,3,5
Drafting and CAD Fundamentals Students will: • produce drawings that demonstrate competency in manual drafting techniques and are neat and professional • demonstrate proficiency with drafting tools • demonstrate understanding of technical terminology used in drafting (EDDT 1010).	1
Students will: • produce drawings that demonstrate competency in AutoCAD and are neat and professional • demonstrate proficiency with drawing and screen setup: layouts, layers, dimension styles, scale factors, blocks, profiles, and plotting • demonstrate knowledge of CAD commands and use them appropriately for efficiency and accuracy (EDDT 1040, 1100).	1
Students will: • produce flat pattern layouts, mechanical detail and assembly drawings that demonstrate correct use of ANSI standards, datums, and critical dimensions for dimensioning and drawing layout • demonstrate ability to calculate precision fits, tolerances, and allowances at MMC and LMC.	1

• demonstrate ability to select appropriate parts from catalog data. • demonstrate ability to read complex blueprints, notes, detail and assembly documentation with multiple configurations. • Students will demonstrate fundamental knowledge of drafting principles in specialized disciplines: electronic drafting, steel detailing, civil drafting, and pipe drafting (EDDT 1200).	
Depth in Discipline Specific Drafting Electives (Select 8 credits) Students will: • demonstrate proficient competencies in the use of MicroStation commands as well as appropriate application of these functions to civil drawings. • demonstrate knowledge and application of Land Development software in the production of various civil drawings • demonstrate understanding of mapping definitions, geographic terms, survey data and field notes. • produce boundary plans, contour maps, profiles and sections and road alignments consistent with industry standards (EDDT 1420, 2190).	1
Students will: • produce electronic diagrams, schematics, detail, and assembly drawings per ANSI and industry standards. • demonstrate knowledge of schematic and logic symbols, reference designations, and electronic components (EDDT 2180).	1
Students will: • demonstrate ability to apply formulas and standards of the AISC manual to structural design requirements. • produce steel fabrication drawings and layouts consistent with industry standards. • demonstrate knowledge of symbols, terminology, and industry requirements associated with structural steel drafting (EDDT 2240).	1
Students will: • demonstrate knowledge of industrial materials and processes and the principles of material behavior. • demonstrate ability to apply this knowledge in hands-on lab experience with molding, casting and forming. • participate as a member of a design team to create designs and finished products (EDDT 2340, 2350).	1,2
Students will: • demonstrate understanding of piping definitions, standard terms, symbols, and specifications and extract data from vendor catalogs to draw piping components and equipment. • produce piping flow diagrams, site plans, elevations, and spool drawings per industry standards (EDDT 2360).	1
Students will: • demonstrate knowledge of Geometric Dimensioning and Tolerancing symbols and applications of form, function, and tolerances. • produce drawings with correctly applied symbols. • demonstrate understanding of the use of GD&T in automated manufacturing and quality inspection (EDDT 2540).	1
Students will: • demonstrate knowledge of SolidWorks solid modeling tools, creating and defining sketches, 3D features, mating assemblies, design tables, and fabrication and assembly drawings from models. • produce accurate parts, assemblies, and drawings per industry standard. • demonstrate the ability to analyze design intent and process (EDDT 2600).	1
Students will:	1

• demonstrate ability to create parts and assemblies in AutoDesk Inventor. • produce parts and drawings per industry standards (EDDT 2710).	

GENERAL EDUCATION REQUIREMENTS

QUANTITATIVE STUDIES (QS) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Intermed Algebra	4	A	RDG 0900; within the last year MATH 0990 w/C grade or better or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

NOTE: Students who may want to pursue an AS degree in the future should take either LE 1220, as it meets the Social Science (SS), or COMM 2110, as it meets the Interdisciplinary (ID) requirement.

REQUIRED COURSES: (12 CREDITS)

COURSE		CR	SEM	PREREQUISITE
*EDDT 1010	Tech Drafting I	3	A	
*EDDT 1040	Intro to CAD	3	A	
EDDT 1100	Adv AutoCAD	2	A	EDDT 1040
EDDT 1200	Tech Drafting II	4	A	EDDT 1010 and EDDT 1100 (may be taken concurrently)

ELECTIVE COURSES: (SELECT 8 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
EDDT 1420	Basic MicroStn	2	A	
EDDT 2180	Elec Drafting	3	F	EDDT 1100
EDDT 2190	Civil Drafting	2	F, Sp	EDDT 1040 and 1420
EDDT 2240	Steel Detailing	3	F	EDDT 1040 and MATH 1010
EDDT 2340	Manufacturing Process	2	F, Sp	EDDT 1040 (may be taken concurrently) Coreq: EDDT 2350
EDDT 2350	Manufac Process Lab	1	F, Sp	Coreq: EDDT 2340
EDDT 2360	Pipe Drafting	2	Sp	EDDT 1040 or 1420
EDDT 2540	Geo Dimen Tol	2	Sp	EDDT 1040
EDDT 2600	Modeling w/ SolidWorks	3	F, Sp	EDDT 1040 or CAD experience
EDDT 2710	AS Inventor 3D Modeling	3	F	AutoCAD experience

*May be waived for equivalent experience or course.

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
CM	3	EDDT 1200	4
EDDT 1010	3	ELEC	8
EDDT 1040*	3	HR	2-3
EDDT 1100*	2		
MATH 1010	4		
Total	**15**	**Total**	**14-15**

*EDDT 1040 is taught the first half-term (8 weeks) of the semester and EDDT 1100 is taught the second half-term of the semester so students can take both in one semester. EDDT 1420 is taught the first half-term (8 weeks) of the semester and EDDT 2190 is taught the second half-term of the semester so students can take both in one semester.

Advising Notes: It is the student's responsibility to examine each course description for details of prerequisite classes or preparation. Those prerequisites must be satisfied before the designated class may be taken and may require extra time to complete the program. Students should check the semester class schedule for the day/evening availability and modifications caused by varying enrollment.

Students acquiring an Associate of Science Degree with a pre-major in General Studies may simultaneously earn a Certificate in Engineering Drafting Technology by selecting the above courses to fulfill the elective component of the AS degree.

EDDT classes are offered summer term as requested by students. Classes taken summer can reduce the credit hours required in other semesters or shorten the time to acquire the degree.

EDDT evening classes are generally offered on alternating semesters than those listed or in summer term.

MACHINING CNC/CAM TECHNOLOGY – CERTIFICATE OF COMPLETION [CTE] 30 credits minimum

Division of Natural Sciences
Taylorsville Redwood Campus, SI 341
General Information, (801) 957-4827
Program Information, (801) 957-4150
http://www.slcc.edu/drafting
Academic Advisor, SI 209, (801) 957-4858

Program Faculty:
Instructors – Joel Clarkston, Michael Stenquist

Program Description: Machining CNC/CAM Technology - trained machinists are continuously needed in engineering, manufacturing and fabrication companies and there are not enough new workers available to fill the entry-level positions. This 30-week, 31-credit hour curriculum provides students with the manual and CNC skills required for work as an entry-level machinist, equivalent to 6 months of on-the-job training. The two-semester certificate of completion in machining technology provides the student with the entry-level skills required for work as a machinist in industry and includes: manual and CNC (Computer Numerical Control) machining, CAD (Computer Assisted Design), CAM (Computer Assisted Manufacturing), Geometric Dimensioning and Tolerancing, and manufacturing processes.

Career Opportunities: Entry-level wages for machinists start between $10 and $12 per hour and a machinist with two to five years of work experience will earn between $28,000 and $50,000 per year.

Estimated Time to Completion: If students follow the sample schedule, time to completion is two semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
General Education Basic Communication Human Relations Quantitative Literacy	2,3,5
Machining and CNC Skills 1. Students will: • demonstrate knowledge of safety rules and identify the various machining processes and equipment. • produce precision parts to design specification and demonstrate the ability to use precision measuring equipment. • demonstrate competency in the operation of lathes, grinders and mills (MCCT 1500, 1510).	1
2. Students will: • produce CNC code and select the proper machining process by programming and building projects on CNC mills and lathes • demonstrate understanding of tolerance limits for each machining process and verify that projects meet blueprint requirements (MCCT 1600,1610).	1
Related Cad and Design Knowledge and Skills 3. Students will: • produce drawings that demonstrate competency in AutoCAD and are neat and professional • demonstrate proficiency with drawing and screen setup: layouts, layers, dimension styles, scale factors, blocks, profiles, and plotting • demonstrate knowledge of CAD commands and use them appropriately for efficiency and accuracy (EDDT 1040).	1

4. Students will: • demonstrate knowledge of solid modeling tools, creating and defining sketches, 3D features, mating assemblies, design tables, and fabrication and assembly drawings from models. • produce accurate parts, assemblies, and drawings per industry standard. • demonstrate the ability to analyze design intent and process (EDDT 2600).	1
5. Students will: • demonstrate knowledge of Geometric Dimensioning and Tolerancing symbols and applications of form, function, and tolerances. • produce drawings with correctly applied symbols. • demonstrate understanding of the use of GD&T in automated manufacturing and quality inspection (EDDT 2540).	1
Related Manufacturing Knowledge and Skills 6.Students will: • demonstrate knowledge of industrial materials and processes and the principles of material behavior. • demonstrate ability to apply this knowledge in hands-on lab experience with molding, casting and forming. • participate as a member of a design team to create designs and finished products (EDDT 2340, 2350).	1
7. Students will learn basic principles of arc and acetylene welding. (WLS 1005)	1,2
CAD/CAM and Teamwork 8. Students will: • demonstrate the proper use of CAM software • demonstrate knowledge of post processing • be evaluated on their participation in a concurrent engineering team with other students to design, layout, and build a project. • produce project documentation and perform inspection on finished product (MCCT 2650).	1

GENERAL EDUCATION REQUIREMENTS

QUANTITATIVE STUDIES (QS) 3-4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Intermed Algebra	4	A	RDG 0900; within the last year MATH 0990 w/C grade or better or appropriate Accuplacer score
OR				
IND 1120	Math for Industry	3	F, Sp	MATH 0900 w/C grade or better

NOTE: MATH 1010 is a prerequisite for the math courses required in the AS degree for students who may want to continue.

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

NOTE: COMM 2110 will also meet the Interdisciplinary (ID) requirement for students who may want to continue toward as AS transfer degree studying Manufacturing Engineering Technology or Mechanical Engineering Technology.

REQUIRED COURSES: (22 CREDITS)

COURSE		CR	SEM	PREREQUISITE
*EDDT 1040	Intro to AutoCAD	3	A	
EDDT 2340	Manufacturing Process	2	F, Sp	EDDT 1040 or concurrently. Coreq: EDDT 2350
EDDT 2350	Manufacturing Lab	1	F, Sp	Coreq: EDDT 2340
EDDT 2540	Geo Dimen & Tol	2	Sp	EDDT 1040
EDDT 2600	Modeling w/ SolidWorks	3	F, Sp	EDDT 1040 or CAD experience
MCCT 1500	Manual Machining	2	F	Coreq: MCCT 1510
MCCT 1510	Man. Machining Lab	1	F	Coreq: MCCT 1500
MCCT 1600	CNC Machine Theo	2	Sp	Coreq: MCCT 1610
MCCT 1610	CNC Machining Lab	1	Sp	Coreq: MCCT 1600
MCCT 2650	CAD/CAM	2	Sp	EDDT 2540. Recommended coreq: EDDT 2600
WLD 1005	Related Welding	3	A	

*May be waived for equivalent experience or course.

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
EDDT 1040*	3	HR	2-3
EDDT 2600*	3	EDDT 2540	2
EDDT 2340	2	CM	3
EDDT 2350	1	MCCT 2650	2
MCCT 1500	2	MCCT 1600	2
MCCT 1510	1	MCCT 1610	1
MATH 1010	4	WLD 1005	3
OR			
IND 1120	3		
Total	**15-16**	**Total**	**15-16**

*EDDT 1040 is taught the first half-term (8 weeks) of the semester and EDDT 2600 is taught the second half-term of the semester so students can take both in one semester.

Advising Notes: It is the student's responsibility to examine each course description for details of prerequisite classes or preparation. Those prerequisites must be satisfied before the designated class may be taken and may require extra time to complete the program. Students should check the semester class schedule for the day/evening availability and modifications caused by varying enrollment.

Students acquiring an Associate of Science Degree with a pre-major in General Studies may simultaneously earn a Certificate in Machining CNC/CAM Technology by selecting the above courses to fulfill the elective component of the AS degree.

EDDT classes are offered summer term as requested by students. Classes taken summer can reduce the credit hours required in other semesters or shorten the time to acquire the degree.

EDDT evening classes are generally offered on alternating semesters than those listed or in summer term.

MANUFACTURING ENGINEERING TECHNOLOGY – ASSOCIATE OF SCIENCE[CTE] (AS) 62-64 credits minimum

Division of Natural Sciences
Taylorsville Redwood Campus, SI 341
General Information, (801) 957-4827
Program Information, (801) 957-4150
http://www.slcc.edu/drafting
Academic Advisor, SI 209, (801) 957-4858

Program Faculty:
Instructors – Joel Clarkston, Michael Stenquist

Program Description: Manufacturing Engineering Technology – the manufacturing engineering technician designs tooling for the fabrication of mass-produced parts, monitors the manufacturing processes, and performs inspection. Students enrolled in SLCC's AS Manufacturing Engineering Technology program will learn about all aspects of manufacturing. Specific topics include computer-aided drafting and solid modeling, materials and processes, manual and CNC machining, plastic and composites production methods and welding manufacturing. During their final semester, students will work as a member of a team that has been assigned a project. The team will design, solid model, tolerance study, document, CAM program and build the assigned project.

Career Opportunities: Two year graduates in Manufacturing Engineering Technology start from $28,000-$33,000 per year. Bachelor degree graduates start at $45,000. Graduates with BS degrees find jobs as manufacturing engineers, tooling designers, process engineers and project managers.

Transfer/Articulation Information: Graduates from SLCC'S AS Manufacturing Engineering Technology program can transfer into WSU's program or work in industry as Machinists, Welders, Composites technicians, CNC programmers, Tool designers, Quality Control Inspectors, and CMM operators.

Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
General Education required for AS degrees	2-5
Drafting and CAD Fundamentals Students will: • produce drawings that demonstrate competency in AutoCAD and are neat and professional. • demonstrate proficiency with drawing and screen setup: layouts, layers, dimension styles, scale factors, blocks, profiles, and plotting. • demonstrate knowledge of CAD commands and use them appropriately for efficiency and accuracy (EDDT1040).	1
Students will: • demonstrate knowledge of solid modeling tools, creating and defining sketches, 3D features, mating assemblies, design tables, and fabrication and assembly drawings from models. • produce accurate parts, assemblies, and drawings per industry standard.	1

• demonstrate the ability to analyze design intent and process (EDDT2600).	
Depth in Mechanical Design Students will: • demonstrate knowledge of industrial materials and processes and the principles of material behavior. • demonstrate ability to apply this knowledge in hands-on lab experience with molding, welding, casting and forming. • participate as a member of a design team to create designs and finished products (EDDT2340, EDDT2350)	1
Students will: • demonstrate knowledge of Geometric Dimensioning and Tolerancing symbols and applications of form, function, and tolerances. • produce drawings with correctly applied symbols. • demonstrate understanding of the use of GD&T in automated manufacturing and quality inspection (EDDT2540).	1
Machining Students will: • demonstrate knowledge of safety rules and identify the various machining processes and equipment. • demonstrate competency in the operation of manual lathes, grinders, and mills. • produce precision parts to design specification and demonstrate the ability to use precision measuring equipment (MCCT1500, MCCT1510).	1
BY EMPHASIS AREA	
Production Operations and Control Emphasis	
CNC and CAD/CAM Students will: • demonstrate ability to produce CNC code and select the proper machining process by programming and building projects on CNC mills and lathes • demonstrate knowledge of safety regulation when working in the machine shop. • demonstrate an understanding of tolerance limits and verify that projects meet blueprint requirements (MCCT1600, MCCT1610).	1
Students will: • demonstrate the proper use of CAM software • demonstrate knowledge of post processing • be evaluated on their participation in a concurrent engineering team with other students to design, layout, solid model, CNC program, do tolerance studies, and build a project. • produce project documentation and perform inspection on finished product (MCCT2650).	1,2,5
Related Welding Students will demonstrate basic skills in the fundamentals of welding. (WLD 1005)	1
Welding Emphasis	
Related Welding Students will demonstrate basic skills in the fundamentals of welding. (WLD 1005)	1
GMA, FCA, GTA Welding Students will learn theory and skills covering: • Welding safety and first aid. • Gas Metal Arc welding processes. • Flux Core Arc welding process.	1

• Gas Tungsten Arc welding process (MCCT2670).	
Composite Materials & Production Emphasis	
CNC/CAM for Composites Students will learn theory and skills covering: • Traditional and nontraditional methods for machining organic-matrix and metal matrix composites. • Avoiding damage introduced into composites caused by the machining process. • CNC code and use of CAM software. • Tooling used in plastic and composites manufacturing (MCCT2850).	1
Materials and Properties Students will learn theory and skills covering: • Most common commercial plastics including their additives, fillers, and fibers. • Most common physical tests used to determine material characteristics (MCCT2860).	1
Product Design Students will learn theory and skills covering: • Designing plastic parts utilizing CAD for structural, dimensional, and process evaluation. • Analysis of functional requirements, aesthetic qualities, and cost relationships (MCCT2870).	1

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1210	Calculus I	4	A	Within the last year MATH 1060 or 1080 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3

NOTE: Physical Science (PS) general education component is satisfied through pre-major coursework.

NOTE: Student transferring to Weber State University should take ECON 1010 as Social Science (SS) and COMM 2110 as Interdisciplinary (ID) distribution courses.

REQUIRED COURSES: (30-33 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CHEM 1110	Elem Chemistry	4	A	MATH 1010 or appropriate Accuplacer score. Recommended coreq: CHEM 1115
CHEM 1115	Elem Chemistry Lab	1	A	MATH 1010 or appropriate Accuplacer score. Recommended coreq: CHEM 1110
OR				
CHEM 1210	Gen Chemistry I	4	A	MATH 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1215	Gen Chemistry Lab I	1	A	MATH 1050 w/C grade or better or appropriate Accuplacer score, Recommended coreq: CHEM 1210
PHYS 2010	College Physics I	4	A	MATH 1060 or 1080. Recommended coreq: PHYS 2015
PHYS 2015	College Physics Lab I	1	A	MATH 1060 or 1080. Recommended coreq: PHYS 2210
OR				
PHYS 2210	Physics f/Sci & Eng I	4	A	MATH 1210. Recommended coreq: PHYS 2215
PHYS 2215	Physics f/Sci & Eng L I	1	A	MATH 1210. Recommended coreq: PHYS 2210
EDDT 1040	Intro to CAD	3	A	
EDDT 2340	Manufacturing Process	2	F, Sp	EDDT 1040 or concurrently. Coreq: EDDT 2350
EDDT 2350	Manufact Process Lab	1	F, Sp	Coreq: EDDT 2340
EDDT 2540	Geo Dim & Tol	2	Sp	EDDT 1040
EDDT 2600	Modeling w/ SolidWorks	3	F, Sp	EDDT 1040 or CAD experience
MCCT 1500	Manual Machining	2	F	Coreq: MCCT 1510
MCCT 1510	Manual Machining Lab	1	F	Coreq: MCCT 1500

EMPHASIS AREA: (COMPLETE ONE)

PRODUCTION OPERATION AND CONTROL EMPHASIS

COURSE		CR	SEM	PREREQUISITE
MCCT 1600	CNC Machine Theo	2	Sp	Coreq: MCCT 1610
MCCT 1610	CNC Machining Lab	1	Sp	Coreq: MCCT 1600
MCCT 2650	CAD/CAM	2	Sp	EDDT 2540. Recommended coreq: EDDT 2600
WLD 1005	Related Welding	3	A	

WELDING EMPHASIS

COURSE		CR	SEM	PREREQUISITE
WLD 1005	Related Welding	3	A	
MCCT 2670	GMA, FCA, GTA Welding	3	Sp	WLD 1005

COMPOSITE MATERIALS AND PRODUCTION EMPHASIS

COURSE		CR	SEM	PREREQUISITE
MCCT 2850	Plastics & Comp CNC/CAM	3	Sp	MCCT 1500 and 1510
MCCT 2860	Plastic/Comp Mtls & Prop	3	F	CHEM 1110 or 1210 and PHYS 2010 or 2210
MCCT 2870	Plastic/Comp Des & Mfg	3	Sp	EDDT 2600 and MCCT 2860

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
EDDT 1040	3	ENGL 1010	3
EDDT 2340	2	AI	3
EDDT 2350	1	DISTRIBUTION	3
EDDT 2600	3	EMPH COURSE	3
MCCT 1500	2	CHEM	4
MCCT 1510	1	CHEM LAB	1
MATH 1210	4		
Total	**16**	**Total**	**17**

SUMMER TERM**

FALL SEMESTER		SPRING SEMESTER	
ECON 1010	3	EDDT 2540	2
ENGL 2010	3	EMPH COURSE	2-3
PHYS	4	COMMUNICATION	3
PHYS LAB	1	DISTRIBUTION (2)	6
DISTRIBUTION	3	LW	1
EMPH COURSE	3		
Total	**17**	**Total**	**14-15**

**EDDT classes are offered Summer Term as requested by students. Classes taken in summer can reduce the credits required in other semesters or shorten the time to acquire the degree.

Advising Notes: Students transferring to Weber State University should take Econ 1010 as their Social Science and COMM 2110 as their Interdisciplinary course.

In addition to the required courses listed above, WSU's Manufacturing Engineering Technology BS degree required the following courses that may also be completed at SLCC before transferring:

COURSE		CR	SEM	PREREQUISITE
EDDT 2160	Statics & Strength of Mat	5	F	MATH 1060 or 1080

WSU Elective:

EDDT 2700	Adv Solid Works	2	Sp	EDDT 2600 or equivalent experience
EDDT 2710	AD Inventor 3D Model	2	F	AutoCAD Experience

MECHANICAL ENGINEERING TECHNOLOGY – ASSOCIATE OF SCIENCE[CTE] (AS) 60 credits minimum

Division of Natural Sciences
Taylorsville Redwood Campus, SI 341
General Information, (801) 957-4827
Program Information, (801) 957-4150
http://www.slcc.edu/drafting
Academic Advisor, SI 209, (801) 957-4858

Program Faculty:
Instructors – Joel Clarkston, Michael Stenquist

Program Description: Mechanical Engineering Technology - the mechanical engineering technician provides support for design engineers as quality technicians, drafter/designers, and document specialists. Earning an AS degree while focusing on mechanical engineering technology provides students with the CAD/CAM, solid modeling design, and basic machining skills required for placement in the industry as technicians, but is specifically for students wishing to transfer into the mechanical engineering technology bachelor of science degree program at Weber State University.

Career Opportunities: Two year graduates in Mechanical Engineering Technology start at an average of $33,000 per year. Bachelor degree graduates start at $56,000. Graduates with BS degrees find jobs as technical designers, quality engineers, process engineers and project managers.

Transfer/Articulation Information: The degree also provides two years for transfer into the Mechanical Engineering Technology Bachelor of Science at Weber State University.

Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
General Education required for AS degrees	2, 3, 4, 5
Drafting and CAD Fundamentals Students will: • produce drawings that demonstrate competency in AutoCAD and are neat and professional • demonstrate proficiency with drawing and screen setup: layouts, layers, dimension styles, scale factors, blocks, profiles, and plotting • demonstrate knowledge of CAD commands and use them appropriately for efficiency and accuracy (EDDT1040, EDDT1100)	1
Depth in Mechanical Design Students will: • demonstrate knowledge of industrial materials and processes and the principles of material behavior. • demonstrate ability to apply this knowledge in hands-on lab experience with molding, welding, casting and forming. • participate as a member of a design team to create designs and finished products (EDDT2340, EDDT2350).	1

Students will: • demonstrate knowledge of Geometric Dimensioning and Tolerancing symbols and applications of form, function, and tolerances. • produce drawings with correctly applied symbols. • demonstrate understanding of the use of GD&T in automated manufacturing and quality inspection (EDDT2540).	1
Students will: • demonstrate knowledge of solid modeling tools, creating and defining sketches, 3D features, mating assemblies, design tables, and fabrication and assembly drawings from models. • produce accurate parts, assemblies, and drawings per industry standard. • demonstrate the ability to analyze design intent and process (EDDT2600).	1
Machining, and CAD/CAM Students will: • demonstrate knowledge of safety rules and identify the various machining processes and equipment. • demonstrate competency in the operation of lathes, grinders and mills. • produce precision parts to design specification and demonstrate the ability to use precision measuring equipment (MCCT1500, MCCT1510).	1
Students will: • demonstrate the proper use of CAM software • demonstrate knowledge of post processing • be evaluated on their participation in a concurrent engineering team with other students to design, layout, and build a project. • produce project documentation and perform inspection on finished product (MCCT2650).	1, 2, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH1210	Calculus I	4	A	Within the last year MATH 1060 or 1080 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3

NOTE: Physical Science (PS) general education component is satisfied through pre-major coursework.

NOTE: Student transferring to Weber State University should take ECON 1010 as Social Science (SS) and COMM 2110 as Interdisciplinary (ID) distribution courses.

REQUIRED COURSES: (28 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CHEM 1110	Elem Chemistry	4	A	MATH 1010 or appropriate Accuplacer score. Recommended coreq: CHEM 1115
CHEM 1115	Elem Chemistry Lab	1	A	MATH 1010 or appropriate Accuplacer score. Recommended coreq: CHEM 1110
PHYS 2210	Physics f/Sci & Eng I	4	A	MATH 1210. Recommended coreq: PHYS 2215
PHYS 2215	Physics f/Sci & Eng L I	1	A	MATH 1210. Recommended coreq: PHYS 2210
*EDDT 1040	Intro to CAD	3	A	
EDDT 1100	Adv AutoCAD	2	A	EDDT 1040
EDDT 2340	Manufacturing Process	2	F	EDDT 1040 or concurrently. Coreq: EDDT 2350
EDDT 2350	Manufact Process Lab	1	F, Sp	Coreq: EDDT 2340
EDDT 2540	Geo Dim & Tol	2	Sp	EDDT 1040
EDDT 2600	Modeling w/ SolidWorks	3	F, Sp	EDDT 1040 or CAD experience
MCCT 1500	Manual Machining	2	F	Coreq: MCCT 1510
MCCT 1510	Manual Machining Lab	1	F	Coreq: MCCT 1500
MCCT 2650	CAD/CAM	2	Sp	EDDT 2540. Recommended coreq: EDDT 2600

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
EDDT 1040*	3	ENGL 1010	3
EDDT 1100*	2	LW	1
EDDT 2340	2	PHYS 2210	4
EDDT 2350	1	PHYS 2215	1
MCCT 1500	2	AI	3
MCCT 1510	1	DISTRIBUTION	3
MATH 1210	4		
Total	**15**	**Total**	**15**

FALL SEMESTER		SPRING SEMESTER	
CHEM 1110	4	EDDT 2540	2
CHEM 1115	1	MCCT 2650	2
EDDT 2600	3	DISTRIBUTION (3)	9
ENGL 2010	3	CM	3
DISTRIBUTION	3		
Total	**14**	**Total**	**16**

*EDDT 1040 is taught the first half-term (8 weeks) of the semester and EDDT 1100 is taught the second half-term of the semester so students can take both in one semester. Evening classes are generally offered on alternating semesters than those listed or during Summer Term.

Advising Notes: Students transferring to Weber State University should take Econ 1010 as their Social Science and COMM 2110 as their Interdisciplinary course.

In addition to the required courses, Weber State University's Mechanical Engineering Technology BS degree required the following courses that may also be completed at SLCC before transferring:

COURSE		CR	SEM	PREREQUISITE
MATH 1040	Intro Statistics	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Acculacer score
PHYS 2220	Physics for Sci&Eng II	4	A	PHYS 2210 and MATH 1220. Recommended coreq: PHYS 2225
PHYS 2225	Physics for Sci&Eng Lab II	1	A	PHYS 2210 and MATH 1220. Recommended prereq: PHYS 2220
EDDT 2160	Statics & Strength of Mat	5	F	MATH 1060 or 1080

ENGLISH – ASSOCIATE OF ARTS (AA) 63 credits minimum

English Department
Taylorsville Redwood Campus, AD 241
General Information, (801) 957-4073
Program Information, (801) 957-4020
http://www.slcc.edu/english
Academic Advisor, TB 315, (801) 957-3866

English Department Chair: Stephen Ruffus

Program Faculty:
Professors – Alma McKertich
Associate Professors – Sue Briggs, Clyda Rae Blackburn, Lisa Bickmore, Louise Bown, Ron Christiansen, Jennifer Courtney, Mary Jayne Davis, Allison Fernley, Melissa Helquist, Gary Howard, Lynn Kilpatrick, Stephanie Maenhardt, Liz Montague, Jason Pickavance, Tiffany Rousculp, Stephen Ruffus, Brittany Stephensen, Elisa Stone
Assistant Professors – Nathan Cole, Andrea Malouf, Jamie McBeth-Smith
Instructors – Brandon Alva, Charlotte Howe

Program Description: The English Department provides courses involving reading, writing and critical thinking, ranging from introductory to more advanced explorations of the role of language in society, in academic studies and in our own personal and professional experiences. We emphasize teaching students to take responsibility for how they communicate in a variety of contexts (from academic, to imaginative, to work-related) and for how language may be used to achieve results. Courses teach intellectual inquiry, expose students to diverse reading and writing tasks, and address how power may be won or lost through the medium of words. A departmental emphasis is also available for students seeking an A.A. or an A.S. in English. Various courses of study are available for students to choose: Generalist, Creative Writing, Literature, Writing Studies, English Language Studies, or Cultural Studies.

Most college degree and certificate programs require a two-course sequence of ENGL 1010, followed by ENGL 2010 or ENGL 2100.

ENGL 1030 may fulfill the General Education Human Relations (HR) requirement for SLCC AAS degrees.

ENGL 1050, ENGL 1100, ENGL 2030, ENGL 2250, ENGL 2260, ENGL 2270, ENGL 2280, ENGL 2600, ENGL 2610, ENGL 2630, ENGL 2710, ENGL 2740, ENGL 2760, ENGL 2810, ENGL 2830, and ENGL 2850 will fulfill the General Education Humanities (HU) requirement.

ENGL 1050, ENGL 1100, ENGL 2030, ENGL 2610, ENGL 2760, ENGL 2810, ENGL 2830, and ENGL 2850 fulfill the Diversity (DV) requirement at SLCC.

ENGL 1050, ENGL 1100, ENGL 2030, ENGL 2280, ENGL 2610, ENGL 2760, ENGL 2810, ENGL 2830, and ENGL 2850 may fulfill the diversity requirement at many institutions.

The English Department also provides electives such as ENGL 2250, ENGL 2260, ENGL 2270, ENGL 2280, and ENGL 2890 for students seeking to explore various kinds of writing.

The Student Writing Center
The Student Writing Center (SWC) offers SLCC writers a place to talk about their writing or reading with a trained writing advisor. Faculty writing advisors are instructors who teach in the writing program; peer writing advisors are SLCC students who have been recommended by faculty and have received extensive training in writing advising.

All writers at SLCC (undergraduates, staff, and faculty) are welcome to bring their work to the SWC. The advisors are able to work with all in-class writing and other writing projects such as scholarship applications, memos and reports. In the SWC, the writing advisors assist in analyzing the writing situation or project, developing a writing plan, undoing writer's "blocks" and providing feedback to the writer. Computers are available in AD 230, as is assistance with word processing.

In the SWC, one-on-one or small group consultations are available and writers are encouraged to meet with a writing advisor at any stage in their writing project (from brainstorming to final editing). The SWC also holds workshops on reading/writing topics,

demonstrates in-class peer group workshopping and distributes other writing-related materials (including materials on documentation and research methods). A standard consultation is a 20- to 30-minute meeting between a writer and a writing advisor (small group appointments also are available). These meetings can take place at any stage in the writing process from brainstorming to final editing. Writers can drop in any time the center is open to make an appointment; they should bring details about the assignment, along with notes and any drafts. On the Taylorsville Redwood Campus, the SWC is located at AD 218. At South City Campus, writing tutors are available in the Learning Center, N316. At Jordan Campus, tutors are available in HTC 102.

The SLCC Community Writing Center
Located at 210 East 400 South, Salt Lake City, the SLCC Community Writing Center provides writing assistance, short term workshops and writing groups to all Salt Lake area adults. For information, call (801) 957-2192.

Transfer/Articulation Information: Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Program Entry Requirements: Students are responsible for taking the ACT or the College Placement Test before the semester (at least one month before) they wish to enroll in ENGL 1010. Students who need to take preparatory classes in English to meet the requirement of any course should plan on extra time to complete a degree. It also is the student's responsibility to examine each course description for details of prerequisite classes. Prerequisites must be completed with a minimum grade of C. Students also must receive a minimum grade of C (not C-) in all English classes counted toward the degree

Estimated Time to Completion: If students follow the suggested sample schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1. Rhetorical knowledge	2 – Communicate Effectively
2. Critical thinking, reading, and writing	4 – Think Critically
3. Process knowledge	4 – Think Critically
4. Genre knowledge	4 – Think Critically
5. Research skills	2 – Communicate Effectively

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better
OR				
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) CHOOSE ONE COURSE (3-4 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
MATH 1030	Quantitative Reasoning	3	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score
MATH 1040	Intro to Statistics	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score
MATH 1050	College Algebra	4	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:
LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

DISTRIBUTION AREAS:
Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3
Physical Science (PS)	3

NOTE: The following courses will fulfill the General Education Distribution Area requirement in Humanities: ENGL 1050, ENGL 1100, ENGL 2030, ENGL 2250, ENGL 2260, ENGL 2270, ENGL 2280, ENGL 2600, ENGL 2610, ENGL 2710, ENGL 2740, ENGL 2760, ENGL 2810, ENGL 2830, and ENGL 2850. If one of these courses is selected to fill the General Education Humanities (HU) requirement, it may also count toward the 21 credit hours of English required in the Major Course Requirements and English electives. If this option is selected, student must also complete an additional 3 credit hours in the non-English Electives area.

LANGUAGE (LN) 5 CREDITS

COURSE		CR	SEM	PREREQUISITE
LANG 1020	(LN)	5	A	LANG 1010

NOTE: *LANG prefix does not exist—that prefix would be replaced by the prefix for the individual language chosen: ARB, CHI, FRN, GER, ITL,JPN, NAV, POR, RUS, SAM, SPN, TNG

REQUIRED COURSES: (SELECT 3 OF THE 4 COURSES)

COURSE		CR	SEM	PREREQUISITE
ENGL 1200	Intro to Linguistics	3	A	ENGL 1010 w/C grade or better
ENGL 2250	Intro/Imaginative Wrtg (HU)	3	A	
ENGL 2600	Crit Intro Literature (HU)	3	A	
ENGL 2700	Intro to Critical Theory	3	A	ENGL 2600

ENGLISH ELECTIVES: (SELECT 9 CREDITS FROM AMONG ENGLISH ELECTIVES)

ENGLISH EMPHASIS WITH CREATIVE WRITING
Major course ENGL 2250 suggested

COURSE		CR	SEM	PREREQUISITE
ENGL 2260	Intro to Writing Poetry(HU)	3	Sp	
ENGL 2270	Intro to Writing Fiction(HU)	3	Sp	
ENGL 2280	Intro Creative Nonfict(HU)	3	F	
ENGL 2290	Intro Novel Writing	3	F	
ENGL 2900	Special Topics	3	F, Sp	

ENGLISH EMPHASIS WITH LITERATURE
Major course ENGL 2600, ENGL 2700 suggested*

COURSE		CR	SEM	PREREQUISITE
ENGL 2300	Intro to Shakespeare	3	Sp	ENGL 1010 w/C grade or better
ENGL 2330	Children's Literature	3	F, Sp	ENGL 1010 w/C grade or better
ENGL 2610	Diversity in Am Lit(HU,DV)	3	A	ENGL 1010 w/C grade or better
ENGL 2630	Contemp Global Lit	3	F	
ENGL 2710	Intro to Folklore(HU)	3	A	
ENGL 2810	Native Am Lit &Exp(HU,DV)	3	Sp	ENGL 1010 w/C grade or better
ENGL 2900	Special Topics	1-3	A	

*Choose ENGL 2600 and ENGL 2700 for the major course requirements

ENGLISH EMPHASIS WITH WRITING STUDIES

COURSE		CR	SEM	PREREQUISITE
ENGL 1800	Digital Media Essentials	4	A	
ENGL 1810	Writing Cntr Theory/Prac	3	F	
ENGL 1820	Publication Studies	3	Sp	
ENGL 1910	WCC Capstone	1	A	Department approval
ENGL 2100	Technical Writing(EN)	3	A	ENGL 1010 w/C grade or better
ENGL 2500	Grammar & Style	3	F	
ENGL 2900	Special Topics	3	A	

For non-English electives, see the Writing Certificate electives.

ENGLISH EMPHASIS WITH ENGLISH LANGUAGE STUDIES

Major course ENGL 1200 suggested

COURSE		CR	SEM	PREREQUISITE
ENGL 2030	Language in Society	3	F, Sp	ENGL 1010 w/C grade or better
ENGL 2500	Grammar & Style	3	F	
ENGL 2900	Special Topics	1-3	A	

ENGLISH EMPHASIS WITH CULTURAL STUDIES

COURSE		CR	SEM	PREREQUISITE
ENGL 2030	Language in Society(HU,DV)	3	F, Sp	ENGL 1010 w/C grade or better
ENGL 2610	Diversity in Am Lit(HU,DV)	3	A	ENGL 1010 w/C grade or better
ENGL 2760	Gender Cultral Stdy (HU,DV)	3	A	
ENGL 2810	Native Am Lit &Exp(HU,DV)	3	Sp	ENGL 1010 w/C grade or better
ENGL 2830	Div Women Writers(HU,DV)	3	A	
ENGL 2850	GLBT Studies(HU,DV)	3	A	

ELECTIVE COURSES: (3 CREDITS)

Complete 3 credits from the English Department Offerings or from any college course numbered 1000 or above.

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ENGL 1010	3	ENGL 2010	3
LANG 1020	5	ENGL REQ	3
DISTRIBUTION	3	AI	3
STUDENT CHOICE	3	DISTRIBUTION	3
HLAC	1	QL	3-4
Total	**15**	**Total**	**15-16**
FALL SEMESTER		**SPRING SEMESTER**	
ENGL REQ	3	ENGL REQ	3
ENGL EMPHASIS	3	ENGL EMPHASIS	3
ENGL EMPAHSIS	3	DISTRIBUTION	3
DISTRIBUTION (3)	9	ELEC	3
Total	**18**	**Total**	**15**

DEPARTMENTAL OFFERINGS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing (EN)	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 1030	Writing in Prof (HR)	3	F	ENGL 1010
ENGL 1050	Rdg Contmp.Cltr(HU,DV)	3	A	
ENGL 1100	Div/Pop US Lit(HU,DV)	3	F, Sp	
ENGL 1200	Intro Linguistics	3	A	ENGL 1010 w/C grade or better
ENGL 1800	Digital Media Essentials	4	A	
ENGL 1810	Writing Cntr Theory/Prac	3	F	
ENGL 1820	Publication Studies	3	Sp	
ENGL 1900	Special Studies	1-3	A	ENGL 1010 and instructor approval
ENGL 2000	English CO-OP Educ	2-4	A	Instructor approval
ENGL 2010	Intermed Writing(EN)	3	A	ENGL 1010 w/C or better

ENGL 2030	Lang in Society (HU,DV)	3	F, Sp	ENGL 1010 w/C grade or better
ENGL 2100	Technical Writing (EN)	3	A	ENGL 1010 w/C grade or better
ENGL 2250	Intro/Imaginative Wrtg(HU)	3	A	
ENGL 2260	Intro to Writing Poetry(HU)	3	Sp	
ENGL 2270	Intro to Writing Fiction(HU)	3	Sp	
ENGL 2280	Intro Creative Nonfictn(HU)	3	F	
ENGL 2290	Intro Novel Writing	3	F	
ENGL 2300	Intro to Shakespeare	3	Sp	ENGL 1010 w/C grade or better
ENGL 2330	Children's Literature	3	F, Sp	ENGL 1010 w/C grade or better
ENGL 2500	Grammar & Style	3	F	
ENGL 2600	Crit Intro Literature (HU)	3	A	
ENGL 2610	Diversity in Am Lit (HU,DV)	3	A	ENGL 1010 w/C grade or better
ENGL 2630	Contemp Global Lit	3	F	
ENGL 2700	Intro to Critical Theory	3	F, Sp	ENGL 2600
ENGL 2710	Intro to Folklore (HU)	3	A	
ENGL 2740	Intro Women's Stdy (HU)	3	F, Sp	
ENGL 2760	Gender Cultral Stdy(HU,DV)	3	Sp	
ENGL 2810	Native Am Lit &Exp(HU,DV)	3	Sp*	ENGL 1010 w/C or better
ENGL 2830	Div Women Writers(HU,DV)	3	A	
ENGL 2850	GLBT Studies(HU,DV)	3	A	
HUMA 2130	Philosophy in Lit (ID)	3	F, Sp	

*Course taught Spring semesters in odd years

NOTE: Acceptance of English courses varies within English programs at various institutions. Meet with an advisor to plan which English courses are best suited for the program to which you plan to transfer.

ENGLISH – ASSOCIATE OF SCIENCE (AS) 61 credits minimum

English Department
Taylorsville Redwood Campus, AD 241
General Information, (801) 957-4073
Program Information, (801) 957-4020
http://www.slcc.edu/english
Academic Advisor, TB 315, (801) 957-3866

English Department Chair: Stephen Ruffus

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Professors – Alma McKertich
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Most college degree and certificate programs require a two-course sequence of ENGL 1010, followed by ENGL 2010 or ENGL 2100.

ENGL 1030 may fulfill the General Education Human Relations (HR) requirement for SLCC AAS degrees.

ENGL 1050, ENGL 1100, ENGL 2030, ENGL 2250, ENGL 2260, ENGL 2270, ENGL 2280, ENGL 2600, ENGL 2610, ENGL 2630, ENGL 2710, ENGL 2740, ENGL 2760, ENGL 2810, ENGL 2830, and ENGL 2850 will fulfill the General Education Humanities (HU) requirement.

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The Student Writing Center
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Located at 210 East 400 South, Salt Lake City, the SLCC Community Writing Center provides writing assistance, short term workshops and writing groups to all Salt Lake area adults. For information, call (801) 957-2192.

Transfer/Articulation Information: Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Program Entry Requirements: Students are responsible for taking the ACT or the College Placement Test before the semester (at least one month before) they wish to enroll in ENGL 1010. Students who need to take preparatory classes in English to meet the requirement of any course should plan on extra time to complete a degree. It also is the student's responsibility to examine each course description for details of prerequisite classes. Prerequisites must be completed with a minimum grade of C. Students also must receive a minimum grade of C (not C-) in all English classes counted toward the degree

Estimated Time to Completion: If students follow the suggested sample schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1. Rhetorical knowledge	2 – Communicate Effectively
2. Critical thinking, reading, and writing	4 – Think Critically
3. Process knowledge	4 – Think Critically
4. Genre knowledge	4 – Think Critically
5. Research skills	2 – Communicate Effectively

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better
OR				
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) CHOOSE ONE COURSE (3-4 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
MATH 1030	Quantitative Reasoning	3	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score
MATH 1040	Intro to Statistics	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score
MATH 1050	College Algebra	4	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:
LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

DISTRIBUTION AREAS:
Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3
Physical Science (PS)	3

NOTE: The following courses will fulfill the General Education Distribution Area requirement in Humanities: ENGL 1050, ENGL 1100, ENGL 2030, ENGL 2250, ENGL 2260, ENGL 2270, ENGL 2280, ENGL 2600, ENGL 2610, ENGL 2710, ENGL 2740, ENGL 2760, ENGL 2810, ENGL 2830, and ENGL 2850. If one of these courses is selected to fill the General Education Humanities (HU) requirement, it may also count toward the 21 credit hours of English required in the Major Course Requirements and English electives. If this option is selected, student must also complete an additional 3 credit hours in the non-English Electives area.

REQUIRED COURSES: (SELECT 3 OF THE 4 COURSES)

COURSE		CR	SEM	PREREQUISITE
ENGL 1200	Intro to Linguistics	3	A	ENGL 1010 w/C grade or better
ENGL 2250	Intro/Imaginative Wrtg(HU)	3	A	
ENGL 2600	Crit Intro Literature(HU)	3	A	
ENGL 2700	Intro to Critical Theory	3	A	ENGL 2600

ENGLISH ELECTIVES: (SELECT 9 CREDITS FROM ENGLISH ELECTIVES)

ENGLISH EMPHASIS WITH CREATIVE WRITING
Major course ENGL 2250 suggested.

COURSE		CR	SEM	PREREQUISITE
ENGL 2260	Intro to Writing Poetry(HU)	3	Sp	
ENGL 2270	Intro to Writing Fiction(HU)	3	Sp	
ENGL 2280	Intro Creative Nonfict (HU)	3	F	
ENGL 2290	Intro Novel Writing	3	F	
ENGL 2900	Special Topics	3	F, Sp	

ENGLISH EMPHASIS WITH LITERATURE
Major course ENGL 2600, ENGL 2700 suggested*

COURSE		CR	SEM	PREREQUISITE
ENGL 2300	Intro to Shakespeare	3	Sp	ENGL 1010 w/C grade or better
ENGL 2330	Children's Literature	3	F, Sp	ENGL 1010 w/C grade or better
ENGL 2610	Diversity in Am Lit(HU,DV)	3	A	ENGL 1010 w/C grade or better
ENGL 2630	Contemp Global Lit	3	F	
ENGL 2710	Intro to Folklore (HU)	3	A	
ENGL 2810	Native Am Lit &Exp(HU,DV)	3	Sp	ENGL 1010 w/C or better
ENGL 2900	Special Topics	1-3	A	

*Choose ENGL 2600 and ENGL 2700 for the major course requirements

ENGLISH EMPHASIS WITH WRITING STUDIES

COURSE		CR	SEM	PREREQUISITE
ENGL 1800	Digital Media Essentials	4	A	
ENGL 1810	Writing Cntr Theory/Prac	3	F	
ENGL 1820	Publication Studies	3	Sp	

ENGL 1910	WCC Capstone	1	A	Department approval
ENGL 2100	Technical Writing(EN)	3	A	ENGL 1010 w/C grade or better
ENGL 2500	Grammar & Style	3	F	
ENGL 2900	Special Topics	3	A	

For non-English electives, see the Writing Certificate electives.

ENGLISH EMPHASIS WITH ENGLISH LANGUAGE STUDIES

Major course ENGL 1200 suggested

COURSE		CR	SEM	PREREQUISITE
ENGL 2030	Language in Society(HU,DV)	3	F, Sp	ENGL 1010 w/C grade or better
ENGL 2500	Grammar & Style	3	F	
ENGL 2900	Special Topics	1-3	A	

ENGLISH EMPHASIS WITH CULTURAL STUDIES

COURSE		CR	SEM	PREREQUISITE
ENGL 2030	Language in Society(HU,DV)	3	F, Sp	ENGL 1010 w/C grade or better
ENGL 2610	Diversity in Am Lit (HU,DV)	3	A	ENGL 1010 w/C grade or better
ENGL 2760	Gender Cultral Stdy(HU,DV)	3	A	
ENGL 2810	Native Am Lit & Exp(HU,DV)	3	Sp	ENGL 1010 w/C grade or better
ENGL 2830	Div Women Writers(HU,DV)	3	A	
ENGL 2850	GLBT Studies(HU,DV)	3	A	

ELECTIVE COURSES: (9 CREDITS)

Complete 9 credits from the English Department Offerings or from any college course numbered 1000 or above.

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ENGL 1010	3	ENGL 2010	3
AI	3	QL	3-4
LW	1	ENGL REQ	3
DISTRIBUTION (2)	6	ENGL ELEC	3
ELEC	3	DISTRIBUTION	3
Total	**16**	**Total**	**15-16**
FALL SEMESTER		**SPRING SEMESTER**	
ENGL REQ	3	ENGL REQ	3
ENGL ELEC	3	ENGL ELEC	3
ELEC	3	ELEC	3
DISTRIBUTION	3	DISTRIBUTION (2)	6
STUDENT CHOICE	3		
Total	**15**	**Total**	**15**

DEPARTMENTAL OFFERINGS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing (EN)	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 1030	Writing in Prof(HR)	3	F	ENGL 1010
ENGL 1050	Rdg Contmp.Cltr(HU,DV)	3	A	
ENGL 1100	Div/Pop US Lit(HU,DV)	3	F, Sp	
ENGL 1200	Intro Linguistics	3	A	ENGL 1010 w/C grade or better
ENGL 1800	Digital Media Essentials	4	A	
ENGL 1810	Writing Cntr Theory/Prac	3	F	
ENGL 1820	Publication Studies	3	Sp	
ENGL 1900	Special Studies	1-3	A	ENGL 1010 and instructor approval
ENGL 2000	English CO-OP Educ	2-4	A	Instructor approval
ENGL 2010	Intermed Writing (EN)	3	A	ENGL 1010 w/C or better
ENGL 2030	Language in Soc (HU,DV)	3	F, Sp	ENGL 1010 w/C grade or better
ENGL 2100	Technical Writing (EN)	3	A	ENGL 1010 w/C grade or better
ENGL 2250	Intro/ Imaginative Wrtg(HU)	3	A	
ENGL 2260	Intro to Writing Poetry (HU)	3	Sp	

ENGL 2270	Intro to Writing Fiction (HU)	3	Sp	
ENGL 2280	Intro Creative Nonfictn(HU)	3	F	
ENGL 2290	Intro Novel Writing	3	F	
ENGL 2300	Intro to Shakespeare	3	Sp	ENGL 1010 w/C grade or better
ENGL 2330	Children's Literature	3	F, Sp	ENGL 1010 w/C grade or better
ENGL 2500	Grammar & Style	3	F	
ENGL 2600	Crit Intro Literature (HU)	3	A	
ENGL 2610	Diversity in Am Lit (HU,DV)	3	A	ENGL 1010 w/C grade or better
ENGL 2630	Contemp Global Lit	3	F	
ENGL 2700	Intro to Critical Theory	3	F, Sp	ENGL 2600
ENGL 2710	Intro to Folklore (HU)	3	A	
ENGL 2760	Gndr & Cultre Stdy (HU,DV)	3	Sp	
ENGL 2740	Intro Women's Stdy (HU)	3	F, Sp	
ENGL 2810	Native Am Lit &Exp(HU,DV)	3	Sp*	ENGL 1010 w/C or better
ENGL 2830	Div Women Writers(HU,DV)	3	A	
ENGL 2850	GLBT Studies(HU,DV)	3	A	

*Course taught Spring semesters in odd years

NOTE: Acceptance of English courses varies within English programs at various institutions. Meet with an advisor to plan which English courses are best suited for the program to which you plan to transfer.

ENGLISH WRITING – CERTIFICATE OF COMPLETION 33 credits minimum

English Department
Taylorsville Redwood Campus, AD 241
General Information, (801) 957-4073
Program Information, (801) 957-4020
http://www.slcc.edu/english
Academic Advisor, TB 315, (801) 957-3866

English Department Chair: Stephen Ruffus

Program Faculty:
Professors – Alma McKertich
Associate Professors – Sue Briggs, Clyda Rae Blackburn, Lisa Bickmore, Louise Bown, Ron Christiansen, Jennifer Courtney, Mary Jayne Davis, Allison Fernley, Melissa Helquist, Gary Howard, Lynn Kilpatrick, Stephanie Maenhardt, Liz Montague, Jason Pickavance, Tiffany Rousculp, Stephen Ruffus, Brittany Stephensen, Elisa Stone
Assistant Professors – Nathan Cole, Andrea Malouf, Jamie McBeth-Smith
Instructors – Brandon Alva, Charlotte Howe

Program Description: The English Department provides courses involving reading, writing and critical thinking, ranging from introductory to more advanced explorations of the role of language in society, in academic studies and in our own personal and professional experiences. We emphasize teaching students to take responsibility for how they communicate in a variety of contexts (from academic, to imaginative, to work-related) and for how language may be used to achieve results. Courses teach intellectual inquiry, expose students to diverse reading and writing tasks, and address how power may be won or lost through the medium of words. A departmental emphasis is also available for students seeking an A.A. or an A.S. in English. Various courses of study are available for students to choose: Generalist, Creative Writing, Literature, Writing Studies, English Language Studies, or Cultural Studies.

Most college degree and certificate programs require a two-course sequence of ENGL 1010, followed by ENGL 2010 or ENGL 2100.

ENGL 1030 may fulfill the General Education Human Relations (HR) requirement for SLCC AAS degrees.

ENGL 1050, ENGL 1100, ENGL 2030, ENGL 2250, ENGL 2260, ENGL 2270, ENGL 2280, ENGL 2600, ENGL 2610, ENGL 2630, ENGL 2710, ENGL 2740, ENGL 2760, ENGL 2810, ENGL 2830, and ENGL 2850 will fulfill the General Education Humanities (HU) requirement.

ENGL 1050, ENGL 1100, ENGL 2030, ENGL 2610, ENGL 2760, ENGL 2810, ENGL 2830, and ENGL 2850 fulfill the Diversity (DV) requirement at SLCC.

ENGL 1050, ENGL 1100, ENGL 2030, ENGL 2280, ENGL 2610, ENGL 2760, ENGL 2810, ENGL 2830, and ENGL 2850 may fulfill the diversity requirement at many institutions.

The English Department also provides electives such as ENGL 2250, ENGL 2260, ENGL 2270, ENGL 2280, and ENGL 2890 for students seeking to explore various kinds of writing.

The Student Writing Center: The Student Writing Center (SWC) offers SLCC writers a place to talk about their writing or reading with a trained writing advisor. Faculty writing advisors are instructors who teach in the writing program; peer writing advisors are SLCC students who have been recommended by faculty and have received extensive training in writing advising.

All writers at SLCC (undergraduates, staff, and faculty) are welcome to bring their work to the SWC. The advisors are able to work with all in-class writing and other writing projects such as scholarship applications, memos and reports. In the SWC, the writing advisors assist in analyzing the writing situation or project, developing a writing plan, undoing writer's "blocks" and providing feedback to the writer. Computers are available in AD 230, as is assistance with word processing.

In the SWC, one-on-one or small group consultations are available and writers are encouraged to meet with a writing advisor at any stage in their writing project (from brainstorming to final editing). The SWC also holds workshops on reading/writing topics, demonstrates in-class peer group workshopping and distributes other writing-related materials (including materials on

documentation and research methods). A standard consultation is a 20- to 30-minute meeting between a writer and a writing advisor (small group appointments also are available). These meetings can take place at any stage in the writing process from brainstorming to final editing. Writers can drop in any time the center is open to make an appointment; they should bring details about the assignment, along with notes and any drafts. At Taylorsville Redwood Campus, the SWC is in AD 218; at South City Campus, writing tutors are available in the Learning Center, N316; at Jordan Campus, tutors are available in HTC 102.

The SLCC Community Writing Center: Located at 210 East 400 South, Salt Lake City, (801) 957-2192. The SLCC Community Writing Center provides writing assistance, short term workshops, and writing groups to all Salt Lake area adults.

Transfer/Articulation Information: Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Program Entry Requirements: Students are responsible for taking the ACT or the College Placement Test before the semester (at least one month before) they wish to enroll in ENGL 1010. Students who need to take preparatory classes in English to meet the requirement of any course should plan on extra time to complete a degree. It also is the student's responsibility to examine each course description for details of prerequisite classes. Prerequisites must be completed with a minimum grade of C. Students also must receive a minimum grade of C (not C-) in all English classes counted toward the degree

REQUIRED COURSES: (27 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 1030	Writing in the Professions	3	F	ENGL 1010
ENGL 1800	Digital Media Essentials	4	A	
ENGL 1910	WCC Capstone	1	A	
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better
ENGL 2500	Grammar & Style	3	F	
MATH 1010	Intermediate Algebra	4	A	RGD 0900; and within the last year MATH 0990 w/C grade or better or appropriate Accuplacer score
CHOICE OF				
ENGL 1810	Writing Cntr Theory/ Pract	3	F	
	OR			
ENGL 1820	Publication Studies	3	Sp	

ELECTIVES: (SELECT 6 CREDITS FROM ENGLISH ELECTIVES)

Students can choose from the list of electives below or can identify writing-emphasized electives based on English Department approval.

COURSE		CR	SEM	PREREQUISITE
BUS 2200	Business Comm(IN)	3	A	ENGL 1010 w/C grade or better
INTL 2060	Intl Lit & Culture (HU,DV)	3	A	
COMM 1130	Report for Mass Media	3	A	
COMM 1140	Environmental Comm	3	F, Sp	
COMM 1610	Jrn I: Reporting/Writing	3	F, Sp	ENGL 1010
COMM 1620	Jrn II: Editing	3	F, Sp	COMM 1610 or 1130
MATH 1030	Quantitative Reasoning	3	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score
POLS 2200	Intro Compare Pol(SS)	3	TBA	
POLS 2300	Political Ideology(SS)	3	F, Sp	

SAMPLE SCHEDULE			
FIRST SEMESTER		**SECOND SEMESTER**	
ENGL 1010	3	ENGL 1030	3
ENGL 1800	4	ENGL 1910	1
ENGL 2500	3	ENGL 2010	3
MATH 1010	4	ENGL 2100	3
ELEC	3	ENGL 1810/1820	3
		ELEC	3
Total	**17**	**Total**	**16**

ENVIRONMENTAL GEOLOGY – ASSOCIATE OF SCIENCE[CTE] (AS) 63 credits minimum

Division of Natural Science
Taylorsville Redwood Campus, SI 345
General Information, (801) 957-4073
Program Information, (801) 957-4150
http://www.slcc.edu/geoscience
Academic Advisor, SI 209, (801) 957-4858

Faculty:
Associate Professors: Frank Komatar
Instructor: Robert Dastrup, Lauren Parker

Program Description: This program provides a broad base of technical skills for information gathering and analysis as well as strong emphasis in physical geography and geology and an understanding of regional and global cultural aspects of the world. It provides a global awareness, creates a background for job opportunities and applications.
This program meets the needs of vocationally-oriented students with a two-year degree goal and also provides a solid foundation for a four-year degree program.

The program provides students with elective options so that they may take courses that apply to major requirements at the four-year institutions to which they intend to transfer. In selecting applicable electives, students should see the transfer recommendations as well as consult an SLCC academic advisor and the department at the four-year institution to which they intend to transfer. Acceptance into the major program is determined by the receiving institution.

Transfer/Articulation: Requirements at four-year institutions are subject to change; on-going planning is essential. Completing the following requirements prepares students to apply for transfer to a majors program in Geology or Environmental Earth Science at a four-year institution.

Option I is designed for students transferring to the University of Utah, Utah State University, Southern Utah University or Utah Valley University
Option II is designed for students transferring to Weber State University

Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

TRANSFER RECOMMENDATIONS FOR SELECTING ELECTIVES
Courses listed below may be taken at SLCC according to the program and institution to which students intend to transfer. Students are advised to contact the program advisor at SLCC and at their transfer school.

UNIVERSITY OF UTAH - Geology
CHEM 1220/1225, MATH 1220, PHYS 2220/2225.

UTAH STATE UNIVERSITY – General Geology
CHEM 1220/1225, MATH 1220, PHYS 2220/2225 and CS 1400

WEBER STATE UNIVERSITY – Applied Environmental Geoscience
BIOL 1030/1035, CHEM 1220/1225, ENGL 2100, MATH 1040 and PHYS 2020/2025 or PHYS 2220/2225

WEBER STATE UNIVERSITY – Geology
CHEM 1220/1225, PHYS 2020/2025 or PHYS 2220/2225

SOUTHERN UTAH UNIVERSITY – Geology, Professional
CHEM 1220/1225, MATH 1220 and PHYS 2220/2225

UTAH VALLEY UNIVERSITY – Geology
CHEM 1220/1225, MATH 1220, MATH 2040 and PHYS 2220

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students will demonstrate the ability to… — describe the scientific principles that govern certain geologic processes. — distinguish between which resources are renewable and which are not. — apply definitions of terms unique and/or relevant to geology.	
2. Students will demonstrate the ability to… — use scientific principles to predict primary and secondary outcomes of certain geologic processes (e.g. volcanic eruptions, earthquakes, landslides, etc.) — use scientific knowledge and reasoning to predict possible scenarios how an ever increasing population can cope with a finite and/or decreasing amount of resources. — predict potentially negative secondary effects of human activities (dam building, well water pumping, land use, etc.) — determine alternative actions to compensate for the extinction of non-renewable resources. — apply scientific knowledge to predict potentially negative secondary effects of natural earth processes. — use scientific knowledge to predict the threats of an ever-increasing population present to the environment. — analyze how solutions to geologic problems may involve compromise between parties that have differing sets of values.	
3. Students will demonstrate the ability to… — compute doubling times and predict future populations at specified times when given various population growth rates. — extract various types of information from graphs, charts, and topographic maps. — apply flow charts and identification tables to identify various earth materials (e.g. rocks and minerals). — use appropriate instruments to make relevant measurements of geologic parameters including but not limited to linear distances, angles, density, strike and dip, bearings, and mineral hardness.	

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better
OR				
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) CHOOSE ONE COURSE (3-4 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
MATH 1060	Trignometry	3	A	RDG 0990; within the last year MATH 1050 w/C grade or better or appropriate Accuplacer score

OR

MATH 1210	Calculus I	4	A	Within the last year MATH 1060 or MATH 1080 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3

NOTE: Physical Science (PS) general education component is satisfied through pre-major coursework.

REQUIRED COURSES: (SELECT OPTION I OR II)

OPTION I (18 CREDITS)

For students intending to transfer to the University of Utah, Utah State University, Utah Valley University or Southern Utah University

COURSE		CR	SEM	PREREQUISITE
CHEM 1210	General Chem I	4	A	MATH 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1215	Chem I Lab	1	A	MATH 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1210
GEO 1110	Phys Geology	3	F	Coreq: GEO 1115
GEO 1115	Phys Geolog Lab	1	F	Coreq: GEO 1110
GEO 1220	Historical Geol	3	Sp	GEO 1110 and GEO 1115. Coreq: GEO 1225
GEO 1225	Histor Geol Lab	1	Sp	Coreq: GEO 1220
PHYS 2210	Physics f/Sci & Eng I	4	A	MATH 1210. Recommended coreq: PHYS 2215
PHYS 2215	Physics f/Sci&Eng L I	1	A	MATH 1210. Recommended coreq: PHYS 2210
	Electives (see below)	14		

OPTION II (22 CREDITS)

For students intending to transfer to Weber State University

COURSE		CR	SEM	PREREQUISITE
CHEM 1210	General Chem I	4	A	MATH 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1215	Chem I Lab	1	A	MATH 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1210
GEO 1060	Environmtl Geol	3	Sp	Coreq: GEO 1065
GEO 1065	Envr Geol Lab	1	Sp	Coreq: GEO 1060
GEO 1110	Phys Geology	3	F	Coreq: GEO 1115
GEO 1115	Phys Geolog Lab	1	F	Coreq: 1110
GEO 1220	Historical Geol	3	Sp	GEO 1110 and GEO 1115. Coreq: GEO 1225
GEO 1225	Histor Geol Lab	1	Sp	Coreq: GEO 1220

PHYS 2210	Physics f/Sci & Eng I	4	A	MATH 1210. Recommended coreq: PHYS 2215
PHYS 2215	Physics f/Sci&Eng L I	1	A	MATH 1210. Recommended coreq: PHYS 2210
OR				
PHYS 2010	College Physics I	4	A	MATH 1060 or 1080. Recommended coreq: PHYS 2015
PHYS 2015	College Physics Lab I	1	A	MATH 1060 or 1080. Recommended coreq: PHYS 2010
	Electives (see below)	11		

ELECTIVE COURSES: (11 – 14 CREDITS)

COURSE		CR	SEM	PREREQUISITE
BIOL 2020	Cell Biology	4	F, Sp	BIOL 1610 w/C grade or better. Coreq: BIOL 2025
BIOL 2025	Cell Biology Lab	0	F, Sp	Coreq: BIOL 2020
BIOL 2030	Genetics	4	F	BIOL 1610 w/C grade or better AND CHEM 1210 w/C grade or better. Coreq: BIOL 2035
BIOL 2035	Genetics Lab	0	F	Coreq: BIOL 2030
CHEM 1220	General Chem II	4	A	CHEM 1210. Recommended coreq: CHEM 1225
CHEM 1225	Gen Chem II Lab	1	A	CHEM 1215. Recommended coreq: CHEM 1220
ENGR 1040	Engr Computing	3	F, Sp	MATH 1060 or 1080 (may be taken concurrently)
CS 1410	Obj. Oriented Progrmng	4	A	CS 1400
GEO 1060	Env Geology	3	Sp	Coreq: GEO 1065
GEO 1065	Env Geology Lb	1	Sp	Coreq: GEO 1060
GEO 2350	Field Studies	3	Su	instructor approval
MATH 1220	Calculus II	4	A	Within the last year, MATH 1210 w/C grade or better
MATH 2210	Multivar Calcu	3	A	Within the last year, MATH 1220 w/C grade or better
MATH 2250	Lin Alg/Diff Eq	4	F, Sp	Within the last year, MATH 1220 w/C grade or better
PHYS 2220	Physics f/Sci&Eng II	4	A	PHYS 2210 and MATH 1220. Recommended coreq: PHYS 2225
PHYS 2225	Physics f/Sci&Eng LII	1	A	PHYS 2210 and MATH 1220. Recommended coreq: PHYS 2220

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
CHEM 1210	4	MATH 1210	4
CHEM 1215	1	ENGL 2010	3
ENGL 1010	3	GEO 1220	3
GEO 1110	3	GEO 1225	1
GEO 1115	1	DISTRIBUTION (2)	6
DISTRIBUTION	3		
Total	**15**	**Total**	**17**
FALL SEMESTER		**SPRING SEMESTER**	
PHYS 2210	4	ELEC	9
PHYS 2215	1	AI	3
BIOL 1610/1615	4	STUDENT CHOICE	3
ELEC	5	LW	1
DISTRIBUTION	3		
Total	**17**	**Total**	**16**

Advising Notes: It is the student's responsibility to examine each course description for details of prerequisite courses. Those prerequisites must be satisfied before the designated course may be taken. Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the full program. The semesters in which courses are taught are listed below. Students should check the semester class schedule for day/evening availability and modifications caused by varying enrollment.

FAMILY AND HUMAN STUDIES – ASSOCIATE OF SCIENCE (AS) 63 credits minimum

Education, Family & Human Studies and Social Work Department
Taylorsville Redwood Campus, Eccles ECD Lab School
General Information, (801) 957-4073
Education Information, (801) 957-5035
http://www.slcc.edu/familyandhumanstudies
Academic Advisor, TB 315, (801) 957-4294

Program Faculty:
Professors – Dale Smith
Associate Professors – Janet Brohm, Lois Oestreich
Assistant Professor – Sally Scramm

Program Description: Family and Human Studies students develop the skills needed to provide professional early childhood education services for young children and families.

This introductory level program will acquaint students to the multi-faceted, multi-skilled early childhood profession. Students examine issues in the provision of services to children birth through age eight in a child care or elementary setting. The program may require service learning and lab school participation where the student is assigned to work with seasoned professionals in the field enabling each to apply and further understand theoretical frameworks discussed in class.

Career Opportunities: Students specializing in early childhood will be prepared to work with children in family child care or child care centers as teachers and/or directors.

Transfer/Articulation Information: The two-year AS degree is designed for students who plan to transfer to programs at four-year universities or colleges. SLCC has developed articulation agreements with other state colleges and universities which make it easy for SLCC students to transfer their credits. Although SLCC has worked hard to make transferring to other institutions as convenient as possible, it is important to understand that specific course requirements for a degree vary among the state's four-year colleges. To optimize your educational experience at SLCC, please be sure to consult with the Family and Human Studies Academic Advisor before registering for elective classes.

Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See the FHS Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Program Entry Requirements: Students in the FHS program must not have been convicted of any crimes against children and will be required to complete a criminal background check. Students should also exhibit the maturity and emotional stability required to take charge of a group of pre-school children and possess sufficient health and strength to lift a child.

Estimated Cost for Students: Estimated cost of books and supplies per course $125-$175.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1a. Develop knowledge, skills, and experience to work effectively with young children based on industry standards. 1b. Be prepared for further study in education or a related discipline. 1c. Understand key concepts, events and personalities related to early childhood education. 1d. Explain theories, concepts and principles connected to the physical, intellectual, social, and emotional development of children. 1e. Evaluate and prepare curriculum and program activities consistent with current research on early childhood learning theory and models. 1f. Incorporates core knowledge content in a classroom setting.	1 – Substantive Knowledge

2a. Effectively communicate orally and in writing about key concepts and significant topics in education. 2b. Effectively communicate in business and educational settings. 2c. Maintain appropriate state and Federally required documentation. 2d. Demonstrates effective nonverbal communication techniques with young children.	2 – Communicate Effectively
3a. Use and interpret information represented as data, graphs, and tables to analyze relevant information for working with children in an early childhood setting.	3 – Develop Quantitative Literacy
4a. Construct a personal philosophy of early childhood education and care. 4b. Systematically complete reflective assignments demonstrating analysis, synthesis, and evaluation. 4c. Connect the discipline of early childhood education with other disciplines relevant to child development and learning.	4 – Think Critically
5a. Successfully complete service learning and laboratory experiences in predetermined early childhood learning environments. Dialogue with seasoned professionals in the field to enhance theoretical perspectives. 5b. Demonstrate appropriate social and interpersonal relationship skills in a variety of early childhood professional contexts.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) CHOOSE ONE COURSE (3-4 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
MATH 1030	Quant Reasoning	3	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score
OR				
MATH 1050	College Algebra	4	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3
Physical Science (PS)	3

REQUIRED COURSES: (16 CREDITS)

COURSE		CR	SEM	PREREQUISITE
FHS 1500	Lifespan Human Dev (SS)	3	A	
FHS 2500	Child Dev: Birth to 8	3	F	FHS 1500, 2600, 2610 w/C grade or better(FHS 2610 may be taken concurrently). Coreq: FHS 0010
FHS 2600	Intro Early Child Educ	3	F, Sp	Coreq: FHS 0010
FHS 2610	Child Guidance	3	F, Sp	Coreq: FHS 0011
FHS 2620	Creative Learning	4	Sp	FHS 2500. Coreq: FHS 0010

NOTE: FHS 0010 & FHS 0011 are two hour per week labs. FHS 2620 will require 2-two hour per week labs (4 hrs per week total).

ELECTIVES: (SELECT 13-14 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
EDU 2010	Intro Special Ed	3	F, Sp	
EDU 2140	Tech for Teachers	2	F, Sp	
*FHS 1900	Individual Studies in FHS	1-3	F, Sp	Instructor approval
*FHS 2000	CO-OP Educ in FHS	1-2	F, Sp	Instructor approval
FHS 2020	Spec Studies CDA Cmp	3	A	CDA Credential
FHS 2300	Admin EC Programs	2	Sp	
FHS 2340	Creating Envir Yng Chl	3	Sp	FHS 2600
FHS 2400	Marriage Fam Rel (ID)	3	A	
FHS 2550	Infant & Toddler Dev	3	F	FHS 1500
FHS 2570	Growth Dev 6-12	3	F	
FHS 2640	Home School Fam Comm	3	F, Sp	
FHS 2645	EC Integrated Curriclm	3	F, Sp	

*A total of one credits from wither FHS 1900 or FHS 2000 may be applied toward graduation.

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ENGL 1010	3	ENGL 2010	3
FHS 1500	3	FHS ELECTIVE	3
FHS 2600/0010	3	FHS 2610/0011	3
HLAC	1	DISTRBUTION	3
AI	3	DISTRIBUTION	3
STUDENT CHOICE	3		
Total	**16**	**Total**	**15**
FALL SEMESTER		**SPRING SEMESTER**	
FHS 2500/0010	3	FHS 2620/0010	4
MATH 1030	3	DISTRIBUTION	3
DISTRIBUTION	3	DISTRIBUTION	3
DISTRIBUTION	3	FHS ELECTIVE	4-5
FHS ELECTIVES	6		
Total	**18**	**Total**	**14-15**

Advising Notes: It is the student's responsibility to examine each course description for details of prerequisite classes. The prerequisites must be satisfied with a C or better before the designated class may be taken.

ONLINE & EVENING CLASSES

Many of the FHS courses are also offered online or during the evening. Several of the FHS classes require a lab in which the student works with preschool children. Online or evening students may be required to attend labs at the Eccles Lab School, which is open for labs from 8:00 a.m. to 5:00 p.m. If you have extenuating circumstances that would make it hard for you to complete your labs at the Eccles Lab School, you should contact the FHS Lab Coordinator at 801-957-5035 to discuss other possible options.

LAB REQUIREMENTS

It is important that students have the opportunity to apply the theories and practices discussed in the classroom. To this end, several of the FHS classes require weekly labs working with young children in the lab. Lab students must provide evidence of a TB test, health evaluation and Child Care Food Handler's Permit within two weeks of starting a lab course.

COOPERATIVE EDUCATION

Students working 20 hours or more per week in a licensed child care facility may complete some lab requirements at their work site (cooperative education). Please contact the Lab Coordinator at 801-957-5035 for more departmental information.

FAMILY AND HUMAN STUDIES – ASSOCIATE OF APPLIED SCIENCE (AAS) 66 credits minimum

Education, Family & Human Studies and Social Work Department
Taylorsville Redwood Campus, Eccles ECD Lab School
General Information, (801) 957-4073
Education Information, (801) 957-5035
http://www.slcc.edu/familyandhumanstudies
Academic Advisor, TB 315, (801) 957-4294

Program Faculty:
Professors – Dale Smith
Associate Professors – Janet Brohm, Lois Oestreich
Assistant Professor – Sally Schramm

Program Description: Family and Human Studies students develop the skills needed to provide professional early childhood education services for young children and families.

This introductory level program will acquaint students to the multi-faceted, multi-skilled early childhood profession. Students examine issues in the provision of services to children birth through age eight in a child care or elementary setting. The program may require service learning and lab school participation where the student is assigned to work with seasoned professionals in the field enabling each to apply and further understand theoretical frameworks discussed in class.

The two-year AAS degree in Family and Human Studies prepares the student to become a teacher or director of a child care facility. Special attention is given to providing the student the business skills needed to become an effective child care center administrator.

Career Opportunities: Students specializing in early childhood will be prepared to work with children in family child care or child care centers as teachers and/or directors.

Program Entry Requirements: Students in the FHS program must not have been convicted of any crimes against children and will be required to complete a criminal background check. Students should also exhibit the maturity and emotional stability required to take charge of a group of pre-school children and possess sufficient health and strength to lift a child.

Estimated Cost for Students: Estimated cost of books and supplies per course $125-175.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1a. Develop knowledge, skills, and experience to work effectively with young children based on industry standards. 1b. Be prepared for further study in education or a related discipline. 1c. Understand key concepts, events and personalities related to early childhood education. 1d. Explain theories, concepts and principles connected to the physical, intellectual, social, and emotional development of children. 1e. Evaluate and prepare curriculum and program activities consistent with current research on early childhood learning theory and models. 1f. Incorporates core knowledge content in a classroom setting. 1g. Acquire knowledge to administer a child care facility including development of a viable business plan, policy and procedures manual.	1 – Substantive Knowledge
2a. Effectively communicate orally and in writing about key concepts and significant topics in early childhood education. 2b. Develop effective communication skills for business and educational settings. 2c. Maintain appropriate state and Federally required documentation. 2d. Demonstrates effective nonverbal communication techniques with young children.	2 – Communicate Effectively

2e. Demonstrates effective verbal and nonverbal techniques of working with parents from socially and culturally diverse backgrounds. 2f. Develop a business plan including a policy and procedures manual for a child care facility or preschool. 2g. Develop skills needed to present a communication-based parent program.	
3a. Use and interpret information represented as data, graphs, and tables to analyze relevant information for working with children in an early childhood setting. 3b. Demonstrate knowledge of working budgets by developing a viable budget for a child care center or preschool. 3c. Develop a business plan including an operating budget.	3 – Develop Quantitative Literacy
4a. Construct a personal philosophy of early childhood education and care. 4b. Systematically complete reflective assignments demonstrating analysis, synthesis, and evaluation. 4c. Connect the discipline of early childhood education with other disciplines relevant to child development and learning.	4 – Think Critically
5a. Successfully complete service learning and laboratory experiences in predetermined early childhood learning environments. Dialogue with seasoned professionals in the field to enhance theoretical perspectives. 5b. Demonstrate appropriate social and interpersonal relationship skills in a variety of early childhood professional contexts.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
FIN 1380	Financial Math	3	A	MATH 0990 or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem Effective Comm	3	A	

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE		CR	SEM	PREREQUISITE
FHS 2640	Home School Family Comm	3	F, Sp	

DISTRIBUTION AREAS: (3-6 CREDITS)

Choose an additional three to six credits (one to two courses) from two of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (27 CREDITS)

COURSE		CR	SEM	PREREQUISITE
BUS 1050	Foundations of Bus	3	A	ENGL 1010 (may be taken concurrently)
FHS 1500	Lifespan Human Dev (SS)	3	A	
FHS 2500	Child Dev: Birth to 8	3	F	FHS 1500, 2600, 2610 w/C grade or better (FHS 2610 may be taken concurrently). Coreq: FHS 0010
FHS 2600	Intro Early Child Educ	3	F, Sp	Coreq: FHS 0010
FHS 2610	Child Guidance	3	F, Sp	Coreq: FHS 0011
FHS 2620	Creative Learning	4	Sp	FHS 2500. Coreq: FHS 0010

FHS 2800	Practicum Teaching	3	F, Sp	FHS 2500, FHS 2620 (may be taken concurrently) and instructor approval. Coreq: FHS 2820
FHS 2820	Teaching Seminar	2	F, Sp	FHS 2500, FHS 2620 (may be taken concurrently) and instructor approval. Coreq: FHS 2800
MGT 2070	Human Resource Mgmt	3	F, Sp	BUS 1050

NOTE: FHS 0010 & FHS 0011 are two hour per week labs. FHS 2620 will require 2-two hour per week labs (4 hrs per week total). FHS 2800 is spent 3 days a week, 3 hrs per day at the Eccles Lab School or at various other specified sites off campus.

ELECTIVE COURSES: (21 CREDITS)

COURSE		CR	SEM	PREREQUISITE
EDU 2010	Intro Special Ed	3	F, Sp	
EDU 2140	Tech for Teachers	2	F, Sp	
*FHS 1900	Individual Studies in FHS	1-3	F, Sp	Instructor approval
*FHS 2000	CO-OP Educ in FHS	1-2	F, Sp	Instructor approval
FHS 2020	Spec Studies CDA Cmp	3	A	CDA Credential
FHS 2300	Admin EC Programs	2	Sp	
FHS 2340	Creating Envir Yng Chl	3	Sp	FHS 2600
FHS 2400	Marriage Fam Rel (ID)	3	A	
FHS 2550	Infant & Toddler Dev	3	F	FHS 1500
FHS 2570	Growth Dev 6-12	3	F	
FHS 2645	EC Integrated Curriclm	3	F, Sp	

*A total of one credit from either FHS 1900 or FHS 2000 can be applied toward graduation.

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
FIN 1380	3	BUS 1050	3
ENGL 1010	3	FHS ELECTIVE	8
FHS 1500	3	FHS 2640 (HR)	3
FHS 2600/0010	3	FHS 2610/0011	3
DISTRIBUTION	3		
Total	**15**	**Total**	**17**
FALL SEMESTER		**SPRING SEMESTER**	
FHS 2500/0010	3	FHS 2800	3
MGT 2070	3	FHS 2820	2
COMM 1010	3	FHS ELECTIVE	6
FHS ELECTIVE	7	FHS 2620/0010	4
Total	**16**	**Total**	**15**

Advising Notes: It is the student's responsibility to examine each course description for details of prerequisite classes. The prerequisites must be satisfied with a C or better before the designated class may be taken.

ONLINE & EVENING CLASSES

Many of the FHS courses are also offered online or during the evening. Several of the FHS classes require a lab in which the student works with preschool children. Online or evening students may be required to attend labs at the Eccles Lab School, which is open for labs from 8:00 a.m. to 5:00 p.m. If you have extenuating circumstances that would make it hard for you to complete your labs at the Eccles Lab School you should contact the FHS Lab Coordinator at 801-957-5035 to discuss other possible options.

LAB REQUIREMENTS

It is important that students have the opportunity to apply the theories and practices discussed in the classroom. To this end, several of the FHS classes require weekly labs working with young children in the lab. Lab students must provide evidence of a TB test, health evaluation and Child Care Food Handler's Permit within two weeks of starting a lab course.

COOPERATIVE EDUCATION

Students working 20 hours or more per week in a licensed child care facility may complete some lab requirements at their work site (cooperative education). Please contact the Lab Coordinator at 801-957-5035 for more departmental information.

FAMILY AND HUMAN STUDIES – CERTIFICATE OF COMPLETION[CTE] 36 credits minimum

Education, Family & Human Studies and Social Work Department
Taylorsville Redwood Campus, Eccles ECD Lab School
General Information, (801) 957-4073
Education Information, (801) 957-5035
http://www.slcc.edu/education
Academic Advisor, TB 315, (801) 957-4294

Program Faculty:
Professors – Dale Smith
Associate Professors – Janet Brohm, Lois Oestreich
Assistant Professors – Sally Schramm

Program Description: Family and Human Studies students develop the skills needed to provide professional early childhood education services for young children and families. This introductory level program will acquaint students to the multi-faceted, multi-skilled early childhood profession. Students examine issues in the provision of services to children birth through age eight in a child care or elementary setting. The program may require service learning and lab school participation where the student is assigned to work with seasoned professionals in the field enabling each to apply and further understand theoretical frameworks discussed in class.

The Certificate of Completion is for students who want intensive instruction in early childhood development, but are not seeking a two-year degree. The Certificate of Completion requires the same FHS courses as the two-year degrees, but eliminates most General Education requirements. Course-work completed in pursuit of the Certificate of Completion can be applied toward the AS and AAS degrees.

Career Opportunities: Students specializing in early childhood will be prepared to work with children in family child care or child care centers as teachers and/or directors.

Program Entry Requirements: Students in the FHS program must not have been convicted of any crimes against children and will be required to complete a criminal background check. Students should also exhibit the maturity and emotional stability required to take charge of a group of pre-school children and possess sufficient health and strength to lift a child.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1a. Acquire substantive knowledge of early childhood education. 1b. Be prepared for further study in education or a related discipline at Salt Lake Community College or a four-year college or university. 1c. Understand key concepts, events and personalities related to early childhood education.	1 – Substantive Knowledge
1. Effectively communicate orally and in writing about key concepts and significant topics in education.	2 – Communicate Effectively
1. Use and interpret information represented as data, graphs, and tables to analyze relevant information for working with children in an early childhood setting.	3 – Develop Quantitative Literacy
4a. Construct a personal philosophy of early childhood education and care. 4b. Systematically complete reflective assignments demonstrating analysis, synthesis, and evaluation. 4c. Connect the discipline of early childhood education with other disciplines relevant to child development and learning.	4 – Think Critically
5a. Successfully complete service learning and laboratory experiences in predetermined early childhood learning environments. Dialogue with seasoned professionals in the field to enhance theoretical perspectives. 5b. Demonstrates appropriate social and interpersonal relationship skills in a variety of early childhood professional contexts.	5 – Civic Engagement and/or Working Professionally

REQUIRED COURSES: (30 CREDITS)

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem of Eff Comm	3	A	
OR				
COMM 1020	Prin Public Speaking	3	A	
MATH 1030	Quant Reasoning	3	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score
OR				
MATH 1040	Intro to Statistics	3	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score
OR				
MATH 1050	College Algebra	3	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score
OR				
FIN 1380	Financial Math	3	A	MATH 0990 or appropriate Accuplacer score
FHS 1500	Lifespan Human Dev (SS)	3	A	
FHS 2500	Child Dev: Birth to 8	3	F	FHS 1500, 2600, 2610 w/C grade or better(FHS 2610 may be taken concurrently). Coreq: FHS 0010
FHS 2600	Intro Early Child Educ	3	F, Sp	Coreq: FHS 0010
FHS 2610	Child Guidance	3	F, Sp	Coreq: FHS 0011
FHS 2620	Creative Learning	4	Sp	FHS 2500. Coreq: FHS 0010
FHS 2640	Home School Family Comm	3	F, Sp	
FHS 2800	Practicum Teaching	3	F, Sp	FHS 2500, FHS 2620 (may be taken concurrently) and instructor approval. Coreq: FHS 2820
FHS 2820	Teaching Seminar	2	F, Sp	FHS 2500, FHS 2620 (may be taken concurrently) and instructor approval. Coreq: FHS 2800

NOTE: FHS 0010 & FHS 0011 are two hour per week labs. FHS 2620 will require 2-two hour per week labs (4 hrs per week total). FHS 2800 is spent 3 days a week, 3 hrs per day at the Eccles Lab School or at various other specified sites off campus.

ELECTIVES: (SELECT 6 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
EDU 2010	Intro Special Ed	3	F, Sp	
EDU 2140	Tech for Teachers	2	F, Sp	
*FHS 1900	Individual Studies in FHS	1-3	F, Sp	Instructor approval
*FHS 2000	CO-OP Educ in FHS	1-2	F, Sp	Instructor approval
FHS 2020	Spec Studies CDA Cmp	3	A	CDA Credential
FHS 2300	Admin EC Programs	2	Sp	
FHS 2340	Creating Envir Yng Chl	3	Sp	FHS 2600
FHS 2400	Marriage Fam Rel (ID)	3	A	
FHS 2550	Infant & Toddler Dev	3	F	FHS 1500
FHS 2570	Growth Dev 6-12	3	F	

* A total of one credit from either FHS 1900 or FHS 2000 can be applied toward graduation.

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
COMM 1010/1020	3	FHS 2610/0011	3
FHS 1500	3	MATH 1030/1040/1050	3-4
FHS 2600/0010	3		
FHS 2640	3		
TOTAL	**12**	**TOTAL**	**6-7**
FALL SEMESTER		**SPRING SEMESTER**	
FHS 2500/0010	3	FHS 2620/0010	4
FHS ELECTIVES	6	FHS 2800	3
		FHS 2820	2
TOTAL	**9**	**TOTAL**	**9**

Advising Notes: It is the student's responsibility to examine each course description for details of prerequisite classes. The prerequisites must be satisfied with a C or better before the designated class may be taken.

ONLINE & EVENING CLASSES
Many of the FHS courses are also offered online or during the evening. Several of the FHS classes require a lab in which the student works with preschool children. Online or evening students may be required to attend labs at the Eccles Lab School, which is open for labs from 8:00 a.m. to 5:00 p.m. If you have extenuating circumstances that would make it hard for you to complete your labs at the Eccles Lab School you should contact the FHS Lab Coordinator at 801-957-5035 to discuss other possible options.

LAB REQUIREMENTS
It is important that students have the opportunity to apply the theories and practices discussed in the classroom. To this end, several of the FHS classes require weekly labs working with young children in the lab. Lab students must provide evidence of a TB test, health evaluation and Child Care Food Handler's Permit within two weeks of starting a lab course.

COOPERATIVE EDUCATION
Students working 20 hours or more per week in a licensed child care facility may complete some lab requirements at their work site (cooperative education). Please contact the Lab Coordinator at 801-957-5035 for more departmental information.

CHILD DEVELOPMENT ASSOCIATE CREDENTIAL [CTE] — 10 credits minimum

Education, Family & Human Studies and Social Work Department
Taylorsville Redwood Campus, Eccles ECD Lab School
General Information, (801) 957-4073
Education Information, (801) 957-5035
http://www.slcc.edu/education
Academic Advisor, TB 315, (801) 957-4294

Program Faculty:
Professors – Dale Smith
Associate Professors – Janet Brohm, Lois Oestreich
Assistant Professors – Sally Schramm

Program Description: The Family and Human Studies department offers coursework that can be applied toward completion of the Child Development Associate Credential (CDA). The CDA credential is a nationally recognized, competency-based educational program offered by The Council for Early Childhood Professional Recognition. Credits earned as part of the CDA program transfer seamlessly into certificate and degree programs.

Students who are unfamiliar with the CDA program are encouraged to meet with a faculty advisor before starting the program. For more information about the CDA program, contact:

Child Development Associate Credential
2460 16th Street, NW
Washington, D.C. 20009-3575
OR
Call Toll Free 1-800-424-4310
http://www.cdacouncil.org/the-cda-credential

The Child Development Associate Credential requires, within the past five years, 120 contact hours of formal training and 480 contact hours working directly with children as a lead caregiver. Students wishing to complete the CDA credential should be working either full- or part-time in a state approved child development center or family child care home.

REQUIRED COURSES: (9 CREDITS)

COURSE		CR	SEM	PREREQUISITE
FHS 1500	Human Development (SS)	3	A	
FHS 1900	Special Topics	1-2	F, Sp	Instructor approval
FHS 2600	Intro to ECE	3	F, Sp	Coreq: FHS 0010
FHS 2610	Child Guidance	3	F, Sp	Coreq: FHS 0011

NOTE: FHS 0010 & FHS 0011 are two hour per week labs.

FASHION DESIGN & MERCHANDISING: FASHION DESIGN EMPHASIS - ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 68 credits minimum

Visual Art & Design Department
Library Square Campus
General Information, (801) 957-4073
Program Information, (801) 957-2000
http://www.slcc.edu/fashion
Academic Advisor, SCC W138, (801) 957-3361

Program Faculty:
Program Director – Mojdeh Sakaki

Program Description: The Fashion Design curriculum has been developed by a faculty of practicing professionals and advisory boards of industry leaders. It is continually evolving in response to changes in the field, offering the latest trends, skills, and technology students need to succeed in the global economy. It also provides a firm foundation in the liberal arts.

The Fashion Design Program prepares students for careers in fashion design for the apparel industry. The curriculum stimulates creative expression in all aspects of fashion design, including fashion sketching, creative design, computer applications, draping, and pattern drafting. Students will understand the importance of communication and critical reasoning and the effect they have on this diversified and global industry.

Career Opportunities: The Fashion Design Associate of Applied Science degree will prepare students for employment in the fashion industry. In addition, many students study fashion design for personal enrichment as it enables them to design and make their own custom clothing or perform alterations.

Estimated Cost for Students: Approximately $6000 in tuition and $500 in books and supplies.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is five semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
Students demonstrate knowledge in the history of fashion and the basic theories of fashion design (color, line, shape, texture, scale, and proportion), patternmaking, illustration, and construction of garments.	1,2,3,4,5
Students exhibit professionalism through high quality presentations; effective sales techniques; efficient organization; and work cooperatively with clients and co-workers.	3,5
Students demonstrate knowledge of the various employment options available through internships.	3,5
Students demonstrate knowledge of high quality portfolios that can be used for job applications. Portfolios will reflect class work and projects completed during internships.	3,5
Students demonstrate proficiency in examining trends, drawing designs based on their ideas, choosing colors and fabrics, and supervising the production of their designs	2,3,5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) CHOOSE ONE COURSE (3-4 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ART 1210	Math Visual Arts (QS)	3	A	
CMGT 1100	Construction Math (QS)	3	Sp	
FIN 1380	Financial Math	3	A	MATH 0990 or appropriate Accuplacer score
MATH 1010	Intermediate Algebra (QS)	4	A	RDG 0900; within the last year MATH 0990 w/C grade or better or appropriate Accuplacer score

COMMUNICATION (CM) CHOOSE ONE COURSE (3 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem Effective Comm (CM)	3	A	
COMM 1020	Prin Public Speaking (CM)	3	A	
CTEL 1020	Career Speech Skills (CM)	3	A	

HUMAN RELATIONS (HR) CHOOSE ONE COURSE (2-3 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ART 1150	Art Foundation Sem(HR)	3	A	
COMM 2110	Interperl Comm (HR,ID)	3	A	
CTEL 1010	Leader/Team Build (HR)	3	A	
LE 1220	Human Relations	3	A	
MKTG 1010	Customer Service (HR)	3	A	
MKTG 1960	Prof in Business	3	A	

DISTRIBUTION AREAS: (3 CREDITS)

Choose an additional three credits from one of the following distribution areas:

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

NOTE: ARTH 2710, ARTH 2720, MKTG 1050 and PHIL 1120 are recommended.

REQUIRED COURSES: (54 CREDITS)

COURSE		CR	SEM	PREREQUISITE
FASH 1010	Introduction to Fashion	3	A	
FASH 1100	Pattern drafting Essentials	3	A	Knowledge of basic sewing helpful
FASH 1150	Pattern by Measurements	3	F, Sp	Knowledge of basic sewing helpful
FASH 1210	Fashion Illustration I	3	A	
FASH 1250	Textiles	3	F,Sp	
FASH 1350	History of Costume	3	F, Sp	
FASH 1505	Intermediate Sewing	3	A	FASH 1500 or instructor approval
FASH 1610	Knitwear Design	3	F, Sp	FASH 1100
FASH 1660	Pattern Drafting Procds	3	F, Sp	FASH 1100
FASH 1680	Digital Pattern Design	3	Sp	FASH 1100
FASH 2030	Advanced Sewing	3	F, Sp	FASH 1505
FASH 2100	Draping Fundamentals	3	F	Knowledge of basic sewing
FASH 2220	Fashion Illustration II	3	A	FASH 1210
FASH 2280	Bridal Design/Eveningwear	3	Su, F	FASH 1505, FASH 1660
FASH 2410	Collection Development	3	F	FASH 1505, FASH 1210, FASH 2100
FASH 2440	Collection Production	3	Sp	FASH 2410
FASH 2450	Portfolio Development	3	Sp	Instructor approval
FASH 2500	Fashion Entrepreneurship	3	F, Sp	Instructor approval

ADDITIONAL COURSES OFFERED BY FASHION PROGRAM:

COURSE		CR	SEM	PREREQUISITE
FASH 1200	The Art of Fashion	3	F,Sp	
FASH 1240	Fashion Buying & Management	3	F	
FASH 1260	Fashion Forecasting	3	Sp	
FASH 1300	Visual Merchandising	3	Sp	
FASH 1370	20th Century Fashion	3	F	FASH 1350
FASH 1500	Beginning Sewing	3	A	
FASH 1550	Alterations	3	F	FASH 1500 or basic knowledge of sewing
FASH 1630	Outerwear & Performance Apparel	3	F	FASH 1505, FASH 1100,FASH1660
FASH 1640	Millinery	3	F,Sp	FASH 1500 or basic knowledge of sewing
FASH 1650	Surface Embellishments	3	F	FASH 1505
FASH 1670	Intimate Apparel & Swimwear	3	F	FASH 1610
FASH 1700	Tailoring Techniques	3	F,Sp	FASH 1505
FASH 1850	Fashion Show Production	4	Sp	
FASH 1900	Special Projects	1-3	A	Instructor Approval
FASH 1950	Corset Making Techniques	3	Su, F	FASH 1505
FASH 2000	Fashion Internship	3	A	Instructor Approval
FASH 2050	Pattern Alteration & Fit	3	F, Sp	FASH 1100,FASH 1505
FASH 2300	Design Outreach	3	F	Instructor Approval
FASH 2350	Costuming	3	F, Sp	FASH 1350, FASH1505, FASH1250
FASH 2550	Production & Sourcing	3	F, Sp	FASH 2450 and FASH 2500

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
FASH 1010	3	FASH 1505	3
FASH 1100	3	FASH 1660	3
FASH 1150	3	FASH 1680	3
FASH 1210	3	FASH 2220	3
FASH 1250	3	HR	2
FASH 1350	3	ENGL 1010	3
Total	**18**	**Total**	**17**

FALL SEMESTER		SPRING SEMESTER	
FASH 1610	3	FASH 2440	3
FASH 2030	3	FASH 2450	3
FASH 2100	3	FASH 2500	3
FASH 2410	3	QS	3
FASH 2280	3	DISTRIBUTION	3
CM	3		
Total	**18**	**Total**	**15**

Advising Notes: Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program. It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before class may be taken.

FASHION DESIGN & MERCHANDISING: FASHION MERCHANDISING EMPHASIS - ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 65-67 minimum

Visual Art & Design Department
Library Square Campus
General Information, (801) 957-4073
Program Information, (801) 957-2000
http://www.slcc.edu/fashion
Academic Advisor, SCC W138, (801) 957-3361

Program Faculty:
Program Director – Mojdeh Sakaki

Program Description: Salt Lake Community College's AAS degree in Fashion Design will prepare students for careers in the fashion industry and provide a solid foundation for students who want to continue their education at four-year institutions. Fundamentals of design, fashion illustration, textiles, and history of fashion, professional draping, patternmaking, and sewing techniques are among the many subjects students will learn as they take designs from concept to finished garment. This program will guide students to become not only a designer with their own creative vision but also a professional prepared to take their place in this exciting industry.

Career Opportunities: The Fashion Design Associate of Applied Science degree will prepare students for employment in the fashion industry. In addition, many students study fashion design for personal enrichment as it enables them to design and make their own custom clothing or perform alterations.

Estimated Cost for Students: Approximately $6000 in tuition and $500 in books and supplies.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is five semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
Students will understand the history of fashion and the basic theories of fashion design (color, line, shape, texture, scale, and proportion), patternmaking, illustration, and construction of garments.	1, 2, 3, 4, 5
Students will exhibit professionalism through high quality presentations; effective sales techniques; efficient organization; and work cooperatively with clients and co-workers.	3, 5
Students will have the opportunity to learn about the various employment options available through internships	3, 5
Students will create high quality portfolios that can be used for job applications. Portfolios will reflect class work and projects completed during internships.	3, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) CHOOSE ONE COURSE (3-4 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ART 1210	Math Visual Arts (QS)	3	A	
CMGT 1100	Construction Math (QS)	3	Sp	

FIN 1380	Financial Math	3	A	MATH 0990 or appropriate Accuplacer score
MATH 1010	Intermediate Algebra (QS)	4	A	RDG 0900; within the last year MATH 0990 w/C grade or better or appropriate Accuplacer score

COMMUNICATION (CM) CHOOSE ONE COURSE (3 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem Effective Comm (CM)	3	A	
COMM 1020	Prin Public Speaking (CM)	3	A	
CTEL 1020	Career Speech Skills (CM)	3	A	

HUMAN RELATIONS (HR) CHOOSE ONE COURSE (2-3 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ART 1150	Art Foundation Sem(HR)	3	A	
COMM 2110	Interperl Comm (HR,ID)	3	A	
CTEL 1010	Leader/Team Build (HR)	3	A	
LE 1220	Human Relations	3	A	
MKTG 1010	Customer Service (HR)	3	A	
MKTG 1960	Prof in Business	3	A	

DISTRIBUTION AREAS: (3 CREDITS)

Choose an additional three credits from one of the following distribution areas:

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

NOTE: ARTH 2710, ARTH 2720, MKTG 1050 and PHIL 1120 are recommended.

REQUIRED COURSES: (15 CREDITS)

COURSE		CR	SEM	PREREQUISITE
FASH 1010	Introduction to Fashion	3	A	
FASH 1210	Fashion Illustration I	3	A	
FASH 1250	Textiles	3	F, Sp	
FASH 2220	Fashion Illustration II	3	A	FASH 1210
FASH 2450	Portfolio Development	3	Sp	Instructor approval

FASHION MERCHANDISING EMPHASIS COURSES: (35-37 CREDITS)

COURSE		CR	SEM	PREREQUISITE
FASH 1200	The Art of Fashion	3	F, Sp	
FASH 1240	Fash Buying & Mgmt	3	F, Sp	
FASH 1260	Fashion Forecasting	3	Sp	
FASH 1300	Visual Merchandising	3	F, Sp	
FASH 1350	History of Costume	3	F, Sp	
FASH 1850	Fashion Show Prod	4	Sp	
FASH 2000	Fashion Internship	3	A	FASH 1100 and FASH 1505
FASH 2500	Fashion Entrepreneurship	3	F, Sp.	Instructor approval
FASH 2550	Production & Sourcing	3	F, Sp	FASH 2450 and FASH 2500

CHOOSE ONE OF THE FOLLOWING:

FASH 1370	20th Century Fashion	3	F	FASH 1350
FASH 1640	Millinery	3	F, Sp	FASH 1500 or Basic knowledge of sewing
FASH 1900	Special Projects	1-3	A	Instructor approval
FASH 2220	Fashion Illustration II	3	A	FASH 1210

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
FASH 1010	3	FASH 1250	3
FASH 1200	3	FASH 1260	3
FASH 1210	3	FASH 1300	3
FASH 1240	3	FASH ELEC	3
Total	**12**	**Total**	**12**
SUMMER SEMESTER			
ENGL 1010	3		
QS	3		
HR	3		
Total	**9**		
FALL SEMESTER		**SPRING SEMESTER**	
FASH 1350	3	FASH 1850	4
FASH 2000	3	FASH 2450	3
CM	3	FASH 2500	3
DISTRIBUTION	3	FASH 2550	3
Total	**12**	**Total**	**13**

Advising Notes: Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program. It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before class may be taken.

FASHION DESIGN & MERCHANDISING: TECHNICAL APPAREL EMPHASIS - ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 66 credits minimum

Visual Art & Design Department
Library Square Campus
General Information, (801) 957-4073
Program Information, (801) 957-2000
http://www.slcc.edu/fashion
Academic Advisor, SCC W138, (801) 957-3361

Program Faculty:
Program Director – Mojdeh Sakaki

Program Description: Salt Lake Community College's AAS degree in Fashion Design will prepare students for careers in the fashion industry and provide a solid foundation for students who want to continue their education at four-year institutions. Fundamentals of design, fashion illustration, textiles, and history of fashion, professional draping, patternmaking, and sewing techniques are among the many subjects students will learn as they take designs from concept to finished garment. This program will guide students to become not only a designer with their own creative vision but also a professional prepared to take their place in this exciting industry.

Career Opportunities: The Fashion Design Associate of Applied Science degree will prepare students for employment in the fashion industry. In addition, many students study fashion design for personal enrichment as it enables them to design and make their own custom clothing or perform alterations.

Estimated Cost for Students: Approximately $6000 in tuition and $500 in books and supplies.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is five semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
Students will understand the history of fashion and the basic theories of fashion design (color, line, shape, texture, scale, and proportion), patternmaking, illustration, and construction of garments.	1, 2, 3, 4, 5
Students will exhibit professionalism through high quality presentations; effective sales techniques; efficient organization; and work cooperatively with clients and co-workers.	3, 5
Students will have the opportunity to learn about the various employment options available through internships	3, 5
Students will create high quality portfolios that can be used for job applications. Portfolios will reflect class work and projects completed during internships.	3, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) CHOOSE ONE COURSE (3-4 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ART 1210	Math Visual Arts (QS)	3	A	
CMGT 1100	Construction Math (QS)	3	Sp	

FIN 1380	Financial Math	3	A	MATH 0990 or appropriate Accuplacer score
MATH 1010	Intermediate Algebra (QS)	4	A	RDG 0900; within the last year MATH 0990 w/C grade or better or appropriate Accuplacer score

COMMUNICATION (CM) CHOOSE ONE COURSE (3 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem Effective Comm (CM)	3	A	
COMM 1020	Prin Public Speaking (CM)	3	A	
CTEL 1020	Career Speech Skills (CM)	3	A	

HUMAN RELATIONS (HR) CHOOSE ONE COURSE (3 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ART 1150	Art Foundation Sem(HR)	3	A	
COMM 2110	Interperl Comm (HR,ID)	3	A	
CTEL 1010	Leader/Team Build (HR)	3	A	
LE 1220	Human Relations	3	A	
MKTG 1010	Customer Service (HR)	3	A	
MKTG 1960	Prof in Business	3	A	

DISTRIBUTION AREAS: (3 CREDITS)

Choose an additional three credits from one of the following distribution areas:

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

NOTE: ARTH 2710, ARTH 2720, MKTG 1050 and PHIL 1120 are recommended.

REQUIRED COURSES: (15 CREDITS)

COURSE		CR	SEM	PREREQUISITE
FASH 1010	Introduction to Fashion	3	A	
FASH 1210	Fashion Illustration I	3	A	
FASH 1250	Textiles	3	F, Sp	
FASH 2220	Fashion Illustration II	3	A	FASH 1210
FASH 2450	Portfolio Development	3	Sp	Instructor approval

TECHNICAL APPAREL EMPHASIS COURSES: (36 CREDITS)

COURSE		CR	SEM	PREREQUISITE
FASH 1100	Pattern Draft Essentials	3	A	Knowledge of basic sewing helpful
FASH 1150	Pattern by Measurements	3	F,Sp	Knowledge of sewing helpful
FASH 1505	Intermediate Sewing	3	A	FASH 1500 or basic knowledge of sewing
FASH 1610	Knitwear Design	3	F,Sp	FASH 1100 FASH 1630
FASH 1630	Outerwear & Performance Apparel	3	F	FASH 1505, FASH 1100
FASH 1660	Pattern Drafting Proc	3	F,Sp	FASH 1100
FASH 1670	Intimate Apparel & Swimwear	3	F	FASH 1610
FASH 1680	Digital Pattern Design	3	Sp	FASH 1100
FASH 1700	Tailoring Techniques	3	F,Sp	FASH 1505,FASH 1660
FASH 2030	Advanced Sewing	3	F,Sp	FASH 1505
FASH 2050	Pattern Alteration & Fit	3	F,Sp	FASH 1100 and FASH 1505
FASH 2150	Draping Fundamentals	3	F,Sp	FASH 1505 and FASH 1210

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
FASH 1010	3	FASH 1210	3
FASH 1100	3	FASH 1250	3
FASH 1150	3	FASH 1505	3
ENGL 1010	3	DISTRIBUTION	3
		FASH 1660	3
Total	**12**	**Total**	**15**
SUMMER SEMESTER			
FASH 1680	3		
QS	3		
HR	3		
CM	3		
Total	**12**		
FALL SEMESTER		**SPRING SEMESTER**	
FASH 1610	3	FASH 2030	3
FASH 1630	3	FASH 2150	3
FASH 1670	3	FASH 2450	3
FASH 2050	3	FASH 1700	3
FASH 2220	3		
Total	**15**	**Total**	**12**

Advising Notes: Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program. It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before class may be taken.

FILM PRODUCTION TECHNICIAN – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 68 credits minimum

Communication and Performing Arts Department
South City Campus, W141
General Information, (801) 957-4073
Program Information, (801) 957-4130
www.slcc.edu/performingarts
Academic Advisor, SCC W138, (801) 957-3361

Program Faculty:
Instructors – Channing Lowe, (801) 957-3901, Mark Davis

Program Description: The Film Production Technician program provides students with the specialized knowledge required to perform a wide variety of tasks encountered in the professional world of production.

Students master skills required to be competitive for technical positions in Utah's local film industry. Such skills will include the interpretation of technical terms and functions, the operation of camera equipment, and understanding film and video stock, scene composition, lighting, and audio. Students will learn to create a production design, operate production vehicles, and edit productions.

Students may train for various film industry positions such as camera operator, audio operator, floor director, video/film editor, art director, sound recordist, light technician, special effects and motion graphic artist.

The Salt Lake Community College program involves students with full time faculty as well as expert film industry professionals who teach courses within their areas of expertise. The local film industry is highly supportive of efforts to train people in these areas and will provide internship opportunities for SLCC students.

Career Opportunities: Work in this profession is often fast paced, emotionally and physically demanding and often involves long hours but is highly rewarding. Students will need to establish their reputations within the corporate and commercial film industry and salaries vary widely depending on the type of work performed and the level of experience required.

Transfer/Articulation Information: This AAS degree is currently not transferable to four year institutions; however, the General Education components are transferable.

Program Entry Requirements: None. All students are able to register.

Total Program/Course Fees: Average $60.00 per semester, plus materials.

Estimated Cost for Students: Full-time resident undergraduate students pay approximately $1,500 per semester for tuition and fees—an estimated 45 percent of the full cost of instruction. The remaining support is provided by state tax funds and other institutional revenue sources. Non-residents taking a full "load" pay approximately $3,900.

Estimated Time to Completion: If student follow the suggested semester schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Acquire skills in the use of basic concepts, tools, techniques, and procedures to produce works of film from concept to finished product. *Including:* An ability to demonstrate an effective working process and an understanding of and an ability to work within a Film crew.	1, 2, 3, 4
2. Apply the art, aesthetics, and technique of visual storytelling. *Including:* screenwriting, directing, cinematography, lighting, editing, and sound design.	1, 2, 3, 4

3. Knowledge of the history and criticism of Film and their artistic and technological development.	1, 2, 3, 4
4. Understand the basic aesthetic and narrative principles of Film, and basic cinematic historical, theoretical, and critical models.	1, 2, 3, 4
5. Develop the skill set to find gainful employment.	1, 2, 3, 4, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Intermed Algebra	4	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score

COMMUNICATION (CM) CHOOSE ONE COURSE (3 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem Effective Comm	3	A	COMM 1010
COMM 1020	Prin Public Speaking	3	A	COMM 1020
CTEL 1020	Career Speech Skills	3	A	CTEL 1020

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (3 CREDITS)

Choose an additional three credits from one of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (50 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ART 1310	Basic Photography	4	A	none
COMM 2500	Elem/Issue Digit Med(ID)	4	F, Sp	
COMM 2510	Adv Video Prod-Doc	4	F, Sp	COMM 2200 or FLM 1055
OR				
FLM 2510	Adv Video Prod –Doc	4	F, Sp	COMM 2200 or FLM 1055
FLM 1045	Beginning Film Prod	6	A	
FLM 1055	Intermediate Film Prod.	6	F, Sp	FLM 1045
FLM 1075	Screenwriting	3	F, Sp	
FLM 1515	Basic Audio Production	3	A	
FLM 1800	Digital Media Essent	4	A	
FLM 2015	Film Dir.for Techs	4	F, Sp	FLM 1045 w/C grade or better or instructor approval
FLM 2045	Commercial Film Prod.	4	F, Sp	FLM 1045 and FLM 1055 both w/C grade or better
FLM 2065	Motion Pict Sound	4	F, Sp	FLM 1515
FLM 2715	Cinematography	4	Sp	FLM 1045 or instructor approval

ELECTIVE COURSES: (SELECT 2 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
FLM 1070	Film And Culture	4	TBA	
FLM 1900	Independent Stud	1-2	TBA	Instructor approval

FLM 2750	FlmProd Intrnshp	3	F, Sp	Instructor approval
THEA 1160	Tech Theatre I Lab	3	TBA	THEA 1513
THEA 1190	Production	3	F, Sp	
THEA 1223	Stage Make-Up	3	TBA	
THEA 1513	Tech Theatre Stagecraft	3	TBA	Coreq: THEA 1160
THEA 2520	Creative Dramatics	2	TBA	

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ENGL 1010	3	MATH 1010	4
FLM 1045	6	FLM 1055	6
ART 1310	4	FLM 1800	4
COMM 2500	4	FLM 1075	3
		COMM/FLM 2510	3
Total	**17**	**Total**	**20**
FALL SEMESTER		**SPRING SEMESTER**	
FLM 2015	4	FLM 2065	4
FLM 2045	4	FLM 2715	4
FLM 2065	4	DIST	3
FLM 1515	3	ELEC	2
HR	3		
Total	**18**	**Total**	**13**

Advising Notes: It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program.

FINANCE AND CREDIT – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 65 credits minimum

Accounting, Economics and Finance Division
Taylorsville Redwood Campus, BB 105
General Information, (801) 957-4073
Information, (801) 957-4325
http://www.slcc.edu/financeandcredit/index.asp
Academic Advisor, BB 209A, (801) 957-4286

Program Faculty:
Professors – A. Marlon Andrus, Joseph R. Howell, Jr., K. T. Magnusson
Associate Professors – Dennis Wilson
Assistant Professors – Rungrudee Suetorsak, Heather Schumacker, Dennis Watson

Program Description: The need for sound financial investments will grow because monetary transactions are and will continue to be the life-blood of every business and organization. The course work prepares students for various career paths including the financial service industry (banks, savings and loans, credit unions, mortgage and thrift companies), commercial and retail credit analysis, credit granting and collections. In addition, finance and credit majors can apply their skills in other areas such as cash management, insurance, real estate, brokerage and investment activities of financial management. Additionally, training in accounting, computer application, economics, business management and communication skills is emphasized as part of the finance program.

The Finance and Credit Certificate and Associate of Applied Science degree are designed to provide training for employment as financial service representatives, consumer lenders, mortgage loan processors, insurance assistant underwriters, credit clerks and others. Students who are interested in pursuing courses leading to a Bachelor's degree in Finance should follow courses listed in Business Associate of Science or Business Associate of Arts degrees listed elsewhere in this catalog.

Career Opportunities: Opportunities in the field of finance and credit are broad and diverse. They include, but not limited to: Financial analysis, commercial banking, consumer banking, credit analysis, lending, trust services, mortgage lending, management, securities. Careers include all facets of government (federal, state, local) and private industry.

Transfer/Articulation Information: Transfer Information: This is a 2-year terminal degree. Several courses are transferable to other institutions. Students should check with the receiving institution to determine credit transferability.

Estimated Cost for Students: $5,969

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Specialized Accreditation: The Finance and Credit associate degree program is accredited by the Association of Collegiate Business Schools and Programs (ACBSP). This accreditation represents the achievement of meeting the high national standards established for associate degree-granting business programs.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1.1 Prepare personal financial mgmt docs. 1.2 Perform steps of financial planning and investments. 1.3 Identify financial service products and lending criteria. 1.4 Perform steps to evaluate personal and corporate credit financial analysis. 1.5 Perform steps of macro and micro economic analysis.	1 – Substantive Knowledge
2.1 Communicate effectively in writing. 2.2 Communicate effectively while working in groups. 2.3 Communicate effectively numerically.	2 – Communicate Effectively
3.1 Perform appropriate financial calculations. 3.2 Solve problems using the time value of money. 3.3 Perform macro and micro economic calculations.	3 – Develop Quantitative Literacy
4.1 Extract relevant data from complex information, process it, and draw reasonable conclusions.	4 – Think Critically

5.1 Understand the political, historical, social, and economic foundations of the local, national, and global communities. 5.2 Engage in principled and vigorous dialogue.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
FIN 1380	Financial Math	3	A	MATH 0990 or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
BUS 2200	Bus Communications	3	A	ENGL 1010 w/C grade or better

HUMAN RELATIONS (HR) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
MKTG 1960	Prof in Business	3	A	

DISTRIBUTION AREAS: (6 CREDITS)

Choose an additional three to six credits (one to two courses) from two of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (41 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ACCT 2010	Survey Fin Acct	3	A	
ACCT 2020	Managerial Acct	3	A	ACCT 1110 or ACCT 2010, and CIS 1020 or challenge exam
BUS 1050	Foundations of Bus	3	A	ENGL 1010 (may be taken concurrently)
MKTG 1480	Sales	3	Sp	
ECON 2010	Microeconomics	3	A	
ECON 2020	Macroeconomic	3	A	
FIN 1050	Personal Financ	3	A	
FIN 1210	Principles Banking	2	F, Sp	
FIN 2100	Intro to Investments	3	F, Sp	Recommended: FIN 1050
FIN 2200	Personal Fin Plan	3	Sp	Recommended: FIN 1050
FIN 2210	Credit and Collections	3	A	Recommended: ACCT 1110 or ACCT 1220
MGT 2050	Legal Env Bus	3	A	BUS 1050

FINANCE AND CREDIT ELECTIVE COURSES: (SELECT 7 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
ECON 1010	Econ as Social Sci	3	A	
ECON 1400	Econ Hist Amer Labor	3	WSD	
ECON 1600	Intro Econ Systems	3	F,Sp	
ECON 1740	Econ History of US	3	A	
ECON 2100	Labor Economic	3	F, Sp	ECON 2010
ECON 2200	Money & Banknng	3	WSD	
ECON 2400	Intl Econ/Finance	3	F	ECON 2010 or ECON 2020 (may be taken concurrently)
ECON 2990	Special Studies	1-3	TBA	Instructor approval
FIN 2000	CO-OP	1-3	A	2.0 GPA with 20 hours per week study related work
FIN 2040	Financial Mngmt	3	WSD	ACCT 2020

FIN 2150	Mutual Funds	3	WSD	FIN 1050
FIN 2220	Fin Statement Analysis	2	WSD	FIN 2210, and ACCT 1120 or ACCT 2010 (all may be taken concurrently)
FIN 2240	Credit Law	2	WSD	Recommended: FIN 2210
FIN 2600	Securities Trading I	3	F, SP	Recommended: FIN 1050
FIN 2950	Executive Lectures I	1	F	
FIN 2960	Executive Lect II	1	Sp	FIN 2950
FIN 2990	Spec Studies in Fin	1-3	TBA	Instructor approval

WSD = With Sufficient Demand

NOTE: Students may use ECON 1010 to meet General Education or Finance and Credit Elective requirement, but not both.

ELECTIVE COURSES: (CHOOSE 5 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
BUS 1910	Special Projects (PBL)	2	TBA	
BUS 1100	Applied Bus Calculus	3	A	MATH 1050 or MATH 1090
MKTG 1030	Intro to Marketing	3	A	CIS 1020 or competency exam
MKTG 1050	Consumerism (ID)	3	A	
MGT 2040	Business Statistics I	4	A	BUS 1050, CIS 1020, and MATH 1010 or FIN 1380
MGT 2600	Intl Trade Business	3	Sp	BUS 1050 or ECON 2020
MGT 2950	Entrepreneur Forum	1	F	

NOTE: Students may use MKTG 1050 to meet General Education or Elective requirement, both not both.
MGT 2950 cannot meet elective requirement if FIN 2960 is taken to meet Finance and Credit elective requirements.

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
BUS 1050	3	ACCT 2010	3
MKTG 1010	2	ECON 2010	3
FIN 1050	3	ENGL 1010	3
FIN 1210	2	FIN 2100	3
FIN 2950	1	FIN ELEC	5
DISTRIBUTION (2)	6		
Total	**17**	**Total**	**17**
FALL SEMESTER		**SPRING SEMESTER**	
ACCT 2020	3	FIN 2600	3
BUS 2200	3	ECON 1600	3
ECON 2020	3	FIN ELEC	2
FIN 1380	3	ELEC	3
FIN 2210	3	MKTG 1960	3
MGT 2050	3		
Total	**17**	**Total**	**14**

Advising Notes: General Education and elective courses provide training in effective oral and written communication and human relation skills. BUS 1050 is taught using group and team activities in the learning process to develop the student's interactive skills and to build human values and ethics.

The classes designed to assist students in reaching the necessary skill level to enter the certificate and degree programs are MATH 0990 (Elementary Algebra) and CIS 1020 (Computer Essentials). Any class in the preparatory skills may be waived if the student can demonstrate equivalent skills. It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken.

Students who wish to take the CIS 1020 Computer Essentials challenge exam are advised to review the information at www.slcc.edu/cis. An 80% or higher is required on each section of the test.

Cooperative Education is the College's strategy for recognizing and rewarding new learning associated with study-related employment in a business, industrial or government work environment. Credit earned from FIN 2000 is applied toward

graduation requirements as finance elective credit. Students are eligible for FIN 2000 Co-op after completion of a minimum of 12 credits of Finance courses.

The department strongly recommends that students enhance their employment opportunities through Cooperative Education as soon as skills permit, to complement the certificate or degree. Contact CO-OP Education at (801) 957-4014.

FINANCE AND CREDIT – CERTIFICATE OF COMPLETION[CTE] 34 credits minimum

Accounting, Economics and Finance Division
Taylorsville Redwood Campus, BB 105
General Information, (801) 957-4073
Information, (801) 957-4325
http://www.slcc.edu/financeandcredit/index.asp
Academic Advisor, BB 209A, (801) 957-4286

Program Faculty:
Professors – A. Marlon Andrus, Joseph R. Howell, Jr., K. T. Magnusson
Associate Professors – Dennis Wilson
Assistant Professors – Rungrudee Suetorsak, Heather Schumacker, Dennis Watson

The need for sound financial investments will grow because monetary transactions are and will continue to be the life-blood of every business and organization. The course work prepares students for various career paths including the financial service industry (banks, savings and loans, credit unions, mortgage and thrift companies), commercial and retail credit analysis, credit granting and collections. In addition, finance and credit majors can apply their skills in other areas such as cash management, insurance, real estate, brokerage and investment activities of financial management. Additionally, training in accounting, computer application, economics, business management and communication skills is emphasized as part of the finance program.

The Finance and Credit Certificate and Associate of Applied Science degree are designed to provide training for employment as financial service representatives, consumer lenders, mortgage loan processors, insurance assistant underwriters, credit clerks and others. Students who are interested in pursuing courses leading to a Bachelor's degree in Finance should follow courses listed in Business Associate of Science or Business Associate of Arts degrees listed elsewhere in this catalog.

REQUIRED COURSES: (24 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ACCT 2010	Survey Fin Acct	3	A	
BUS 1050	Foundations of Bus	3	A	ENGL 1010 (may be taken concurrently)
BUS 2200	Bus Communications	3	A	ENGL 1010 w/C grade or better
MKTG 1480	Sales	3	Sp	
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
FIN 1050	Personal Fin	3	A	none
FIN 1380	Financial Math	3	A	MATH 0990 or CPT

CHOOSE ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 2010	Microeconomics (SS)	3	A	
OR				
ECON 2020	Macroeconomics (SS)	3	A	

FINANCE ELECTIVES: (SELECT 10 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
BUS 1910	Special Projects (PBL)	2	TBA	
ECON 1010	Econ as Social Science	3	A	
ECON 1400	Econ Hist Amer Labor	3	WSD	
ECON 1600	Intro Econ Systems	3	F, Sp	
ECON 1740	Econ History of US	3	A	
ECON 2010*	Microeconomics	3	A	
ECON 2020*	Macroeconomics	3	A	
ECON 2100	Labor Economic	3	F, Sp	ECON 2010
ECON 2400	Intl Econ/Finance	3	F	ECON 2010 or ECON 2020 (may be taken concurrently)
FIN 1210	Principles Banking	2	F, Sp	
FIN 2000	CO-OP	1-3	A	2.0 GPA with 20 hours per week study related work
FIN 2150	Mutual Funds	3	WSD	FIN 1050
FIN 2200	Personal Fin Plan	3	Sp	Recommended: FIN 1050

FIN 2210	Credit and Collections	~~2~~ 3	A	Recommended: ACCT 1110 or ACCT 1220
FIN 2950	Executive Lectures I	1	F	
FIN 2960	Executive Lectures II	1	Sp	FIN 2950
FIN 2990	Spec Studies in Finance	1-3	TBA	Instructor approval
MGT 2050	Legal Env Bus	3	A	BUS 1050

*Whichever course is not used to Satisfy Course Requirement.
WSD = With Sufficient Demand

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
BUS 1050	3	ACCT 2010	3
MKTG 1010	2	BUS 2200	3
ENGL 1010	3	FIN 1380	3
FIN 1050	3	FIN 2950	1
FIN ELEC (2)	6	FIN ELEC	4
		ECON 2010/2020	3
Total	**17**	**Total**	**17**

Advising Notes: Any class in the preparatory skills may be waived if the student can demonstrate equivalent skills. It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken.

GENERAL STUDIES – ASSOCIATE OF SCIENCE (AS) 61 credits minimum

Taylorsville Redwood Campus, LIB 112
General Information, (801) 957-4073
Program Information, (801) 957-4732
http://www.slcc.edu/gened
Academic Advising, SC 240, (801) 957-1978

Program Description: The General Studies Associate of Science degree is designed for students who need a composite undergraduate experience for transfer to a specific baccalaureate degree and for those who have an undefined major and seek to transfer for a baccalaureate degree. Students who are undecided about their majors are encouraged to use the general studies core area to further explore their interests by selecting courses from a variety of disciplines. Students who have identified a future major may use this area to select classes that satisfy specific prerequisite and pre-major requirements for their intended baccalaureate degree. Students are encouraged to select appropriate courses that will satisfy requirements at four-year institutions.

The AS degree requires a minimum of 61 semester hours of transferable credit with a cumulative grade-point average of 2.0 or better (2.5 or better is recommended). Elective hours may be chosen to coincide with student's chosen emphasis.

Transfer/Articulation Information: Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information, also available at: www.slcc.edu/transfercenter.

Estimated Cost for Students: There is no additional cost for this program beyond SLCC tuition and fees.

Estimated Time to Completion: If students follow the suggested sample schedule, completion time is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
Acquire substantive knowledge throughout the General Education Core and Distribution areas	1 – Substantive Knowledge
Communicate effectively	2 – Communicate Effectively
Think critically and creatively	4 – Think Critically
Develop the knowledge and skills to work with others in a professional and constructive manner	5 – Civic Engagement and/or Working Professionally
Develop computer and information literacy	

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better
OR				
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) CHOOSE ONE COURSE (3-4 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
MATH 1030	Quantitative Reasoning	3	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score
MATH 1040	Intro to Statistics	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score
MATH 1050	College Algebra	4	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score
MATH 1060	Trigonometry	3	A	RDG 0990; within last year MATH 1050 w/C grade or better or appropriate Accuplacer score

MATH 1080	Precalculus	5	A	Appropriate Accuplacer score within the last year
MATH 1090	College Algebra-Business	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE ONE COURSE (3 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

INTENSIVE (IN)

COURSE		CR	SEM	PREREQUISITE
BUS 2200	Business Communication	3	A	
COMM 1010	Elem Effective Comm	3	A	
COMM 1020	Prin Public Speaking	3	A	
COMM 1270	Analysis of Argument	3	F, Sp	
PHIL 1250	Reasn/Ratl Dec Making	3	A	
TECH 1030	Complex Devices Simplified	3	F,Sp	

OR

DEPTH

Any second course from one of the Distribution Areas

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. Once of the courses must also be a Diversity course (DV).

COURSE	CR	SEM	PREREQUISITE
Biological Science (BS)	3-4		
Fine Arts (FA)	3-4		
Humanities (HU)	3		
Interdisciplinary (ID)	3		
Physical Science (PS)	3		
Social Science (SS)	3		

REQUIRED COURSES: (27 CREDITS)

Complete twenty-seven (27) credit hours from any college course numbered 1000 or above and not duplicative of General Education courses above.

A maximum of two credits from Health and Lifetime Activities (HLAC) beyond the Lifetime Wellness (LW) requirement may be applied to required courses.

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ENGL 1010	3	STUDENT CHOICE	3
QL	3-4	ENGL 2010/2100	3
AI	3	DISTRIBUTION (2)	6
REQ (2)	6	REQ	3
		LW	1
Total	**15-16**	**Total**	**16**
FALL SEMESTER		**SPRING SEMESTER**	
DISTRIBUTION (2)	6	DISTRIBUTION (2)	6
REQ (3)	9	REQ (3)	9
Total	**15**	**Total**	**15**

Advising Notes: Students who need to take preparatory classes to meet prerequisites of first semester courses should plan extra time to complete the program. Students wishing to transfer to a specific program at a four-year institution should check with that institution to ensure that all courses are taken.

Students pursuing a degree in General Studies should consult with academic advisors and/or receiving institutions in selecting core mathematics courses. Usually MATH 1050 is appropriate for students intending to major in physical, computational and biological sciences, engineering and other applied science fields; MATH 1030 is appropriate for liberal arts students, MATH 1040 is appropriate for students intending to major in social sciences, behavioral sciences, humanities and the health sciences; MATH 1090 is appropriate for students intending to major in Business.

It is the student's responsibility to examine each course description for details on prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken.

GEOGRAPHIC INFORMATION SCIENCE TECHNOLOGY – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 65 credits minimum

Division of Natural Science
Taylorsville Redwood Campus, SI 345
General Information, (801) 957-4073
Program Information, (801) 957-4150
http://www.slcc.edu/gis
Academic Advisor, SI 209, (801) 957-4858

Program Faculty:
Instructors – Robert Dastrup, Lauren Parker

Program Description: The Geographic Information Science Technology program provides students with skills in Geographic Information Science Technology, using ESRI software. GIS related employment is one of the fastest growing areas in today's work place. A Geographic Information System (GIS) is a powerful tool designed to work with data referenced by spatial or geographic coordinates. This system captures, stores, checks, integrates, manipulates, analyzes and displays data. The data is spatially referenced to the earth. Geographic Information Sciences use GIS tools along with remote sensing, aerial photography, photogrammetry, and others to capture, store, retrieve, analyze, model and display data.

The unique application of GIS appeals to students' interest in numerous academic/economic sections including but not limited to the following, Marketing, Urban Planning, Public Safety, Criminal Justice, Law Enforcement, Medicine, Forestry, Bureau of Land Management, Transportation, Environmental Studies, Emergency Preparedness, Archeology, and Public Utilities. These entities are only a small sample of the ubiquitous nature of GIS.

Career Opportunities: Students completing the GIS Certificate will be highly qualified for most entry-level geospatial technology positions, specifically in Geographic Information Systems (GIS). Entry-level positions could include: local, state, and federal governmental agencies, nonprofit organizations, transportation, public utilities, private sector positions, and military.

The strength of the GIS Certificate is its broad interdisciplinary applications. Students seeking an Associate of Science (AS) or Associate of Applied Science (AAS) degree will find greater marketability when combined with the GIS Certificate. Students combining degrees with the GIS Certificate can find potential jobs in: geography, environmental geology, surveying, wildlife/ecology, sustainability, energy management, business and marketing, criminal justice, computer science, transportation, urban planning, computer information systems, education, social sciences, communication, government, homeland security, disaster response, non-profit organizations, the private sector, and more.

Estimated Cost for Students: Tuition & Books each semester

Estimated Time to Completion: If students follow the suggested sample schedule, completion time is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students will demonstrate an ability to apply analytical methods using geospatial technology. Extracting meaning from basic geometric operations of existing data sets or to derive new for further analysis. Perform analytical operations using geospatial technology – specifically GIS – to answer a broad range of spatial problems.	1,3,4
2. Students will demonstrate basic knowledge in geographic phenomena, geographic information, and geographic tasks in relation to space, time, properties, and human concepts.	1,3,4,5

3. Students will demonstrate cartographic and visualization skills using geospatial technology. Compile and manage geospatial data for cartography and visualization. Symbolization and labeling requirements will shape the way data used in the displays are selected, generalized, classified, projected, and manipulated. Apply basic principles of map design, visualization, and cartographic design to display geographic data.	1,2,4
4. Students will demonstrate an understanding of geospatial database designs based on established methods and principles of database modeling used in computer science.	1,3,4
5. Students will apply data modeling methods using geospatial technology. Analyze the mechanics built into data structures to facilitate search and retrieval of geospatial data. Demonstrate knowledge in using database management systems (DBMS) in geographic contexts to better handle geographic data. Apply Tessellation partitions of continuous surface data. Analyze vector data models to represent discrete entities using points, lines, boundaries, and nodes as sets of coordinate values with associated attributes.	1,3,4
6. Students will demonstrate an ability to apply geocomputation techniques using geospatial technology in terms of spatial uncertainty in relation to input data and the nature of the estimation technique for model output.	1,3,4
7. Students will demonstrate an ability to apply geospatial data analysis. Apply various models to measure the shape of Earth's surface and how that impacts accuracy and measurement. Apply various ways of geospatially referencing the earth in relation to spheres and ellipsoids. Assess the geometric relationship between datums and coordinate systems of Earth's surface. Transform geographic coordinate systems into plane projections and explain the various distortions that can occur. Demonstrate knowledge of the importance of geospatial data quality in terms of uncertainty within the data, primary versus secondary sources, and appropriate fitness of use of data for a particular project. Demonstrate basic understanding of how geospatial data conforms to legal accuracy standards for land surveying and global positioning systems (GPS). Demonstrate an understanding of geospatial data standards of metadata for maximize efficiency, accuracy, and investment, and to reduce errors, uncertainty, and redundancy.	1,3,4
8. Students will demonstrate an ability to determine the role geospatial technology plays in society. Demonstrate a basic knowledge of the legal aspects of geospatial data and the potential misuse. Demonstrate a basic knowledge of the economic aspects of institutions investing in geospatial technology. Demonstrate an understanding of how geospatial technology is used in local, state, and national governmental agencies, social services, pubic safety, economic and urban development, environmental management, and national defense. Demonstrate a basic knowledge of how organizations assert proprietary interests in relation to geospatial information and how it varies between public and private sectors and between nations. Demonstrate a basic knowledge of the legal and ethical dissemination and access of geospatial information. Demonstrate knowledge of the ethical and moral choices and implications	1,2,4,5

of decision making for individuals and organizations using geospatial information.	
9. Students will use demonstrate basic knowledge of the organizational and institutional aspects of geospatial technology. Demonstrate a basic knowledge of the institutional and inter-institutional aspects of geospatial technology. Demonstrate an understanding of local, state, national, and international organizations that exist to coordinate, inform, and support geospatial activities.	1,4,5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1030	Quantitative Reasoning	3	A	RDG 0900; Within the past year, MATH 1010 w/C grade or better, or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem of Eff Comm	3	A	
OR				
COMM 1020	Prin Public Speaking	3	A	

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE		CR	SEM	PREREQUISITE
LE 1220	Human Relation	3	A	

DISTRIBUTION AREAS: (6 CREDITS)

Choose one course (three credits) from two of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

NOTE: CHEM 1010 and/or PHYS 1010 are recommended as Physical Science (PS) Distribution courses.

REQUIRED COURSES: (37 CREDITS)

COURSE		CR	SEM	PREREQUISITE
GEOG 1000	Earth's Surface Env	3	A	
GEO 1060	Envr Geology	3	Sp	Coreq: GEO 1065
GEO 1065	Envr Geology Lab	1	Sp	Coreq: GEO 1060
GEOG 1300	Regional Geography	3	F, Sp	
GEOG 1400	Human Geography	3	F, Sp	
GEOG 1700	Natural Disasters	3	F	
GEOG 1800	Geospatial Tech	3	A	
GEOG 1820	Applied GIS	3	A	GEOG 1800 or instructor approval
GEOG 2100	Maps/Measurement	3	F	
GEOG 2200	Urban/Envr Issues	3	Sp	
GEOG 2920	Applied GIS II	3	Sp	GEOG 1820 or instructor approval

MATH 1040	Intro to Statistics	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score
MET 1010	Intro Meteorology	3	A	

ELECTIVE COURSES: (SELECT 10 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
*CHEM 1010	Intro to Chem	3	A	**
*GEO 2350	Fld Studies Geol	3	Su	Instructor approval
GEO 1220	Historical Geol	3	Sp	GEO 1110. Coreq: GEO 1225
GEO 1225	Histl Geol Lab	1	Sp	Coreq: GEO 1220
GEOG 2000	Geography Co-op	2-4	A	Instructor approval
*GEOG 2900	Indep Projects	1-3	A	Instructor approval
MATH 1050	College Algebra	4	A	RDG 0990; within last year MATH 1010 w/C grade or better or approporiate Accuplacer score
*MATH 1060	Trigonometry	3	A	RDG 0990; within last year Math 1050 w/ C grade or better
PHYS 1010	Elem Physics	3	A	**
SVT 1110	Surveying Math	4	F	Math 1010 or CPT
SVT 1030	Surveying	3	Sp	SVT 1110 or Math 1060

*Recommended

**Students who choose to fulfill the Physical Science (PS) distribution area with courses other than these should still consider these courses as highly recommended for elective credit

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ENGL 1010	3	CM	3
MATH 1030	3	GEOG 1820	3
GEOG 1000	3	GEOG 1300	3
GEOG 1400	3	GEO 1060/1065	4
GEOG 1800	3	GIS ELEC	4
Total	**15**	**Total**	**17**
FALL SEMESTER		**SPRING SEMESTER**	
DISTRIBUTION	3	GEOG 2200	3
GEOG 2100	3	GEOG 2920	3
MET 1010	3	GIS ELEC	3
GIS ELEC	3	LE 1220	3
GEOG 1700	3	DISTRIBUTION	3
		MATH 1040	3
Total	**15**	**Total**	**18**

Advising Notes: Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete a degree. ACT or CPT placement exams are designed to assist in determining which preparatory classes may be appropriate for each student.

The semester in which courses are taught are listed above. Students should check the semester class schedule for day/evening availability and modifications caused by varying enrollment. It is the student's responsibility to examine each course description for details of prerequisite classes.

GEOGRAPHIC INFORMATION SCIENCE TECHNOLOGY – CERTIFICATE OF COMPLETION[CTE] 31 credits minimum

Division of Natural Science
Taylorsville Redwood Campus, SI 345
General Information, (801) 957-4073
Program Information, (801) 957-4150
http://www.slcc.edu/gis
Academic Advisor, SI 209, (801) 957-4858

Program Faculty:
Instructors – Robert Dastrup, Lauren Parker

Program Description: The Geographic Information Science Technology program provides students with skills in Geographic Information Science Technology, using ESRI software. GIS related employment is one of the fastest growing areas in today's work place. A Geographic Information System (GIS) is a powerful tool designed to work with data referenced by spatial or geographic coordinates. This system captures, stores, checks, integrates, manipulates, analyzes and displays data. The data is spatially referenced to the earth. Geographic Information Sciences use GIS tools along with remote sensing, aerial photography, photogrammetry, and others to capture, store, retrieve, analyze, model and display data.

The unique application of GIS appeals to students' interest in numerous academic/economic sections including but not limited to the following, Marketing, Urban Planning, Public Safety, Criminal Justice, Law Enforcement, Medicine, Forestry, Bureau of Land Management, Transportation, Environmental Studies, Emergency Preparedness, Archeology, and Public Utilities. These entities are only a small sample of the ubiquitous nature of GIS.

Career Opportunities: Students completing the GIS Certificate will be highly qualified for most entry-level geospatial technology positions, specifically in Geographic Information Systems (GIS). Entry-level positions could include: local, state, and federal governmental agencies, nonprofit organizations, transportation, public utilities, private sector positions, and military.

The strength of the GIS Certificate is its broad interdisciplinary applications. Students seeking an Associate of Science (AS) or Associate of Applied Science (AAS) degree will find greater marketability when combined with the GIS Certificate. Students combining degrees with the GIS Certificate can find potential jobs in: geography, environmental geology, surveying, wildlife/ecology, sustainability, energy management, business and marketing, criminal justice, computer science, transportation, urban planning, computer information systems, education, social sciences, communication, government, homeland security, disaster response, non-profit organizations, the private sector, and more.

Estimated Cost for Students: Tuition & Books each semester

Estimated Time to Completion: If students follow the suggested sample schedule, completion time is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students will demonstrate an ability to apply analytical methods using geospatial technology. Extracting meaning from basic geometric operations of existing data sets or to derive new for further analysis. Perform analytical operations using geospatial technology – specifically GIS – to answer a broad range of spatial problems.	1,3,4
2. Students will demonstrate basic knowledge in geographic phenomena, geographic information, and geographic tasks in relation to space, time, properties, and human concepts.	1,3,4,5
3. Students will demonstrate cartographic and visualization skills using geospatial technology.	1,2,4

Compile and manage geospatial data for cartography and visualization. Symbolization and labeling requirements will shape the way data used in the displays are selected, generalized, classified, projected, and manipulated. Apply basic principles of map design, visualization, and cartographic design to display geographic data.	
4. Students will demonstrate an understanding of geospatial database designs based on established methods and principles of database modeling used in computer science.	1,3,4
5. Students will apply data modeling methods using geospatial technology. Analyze the mechanics built into data structures to facilitate search and retrieval of geospatial data. Demonstrate knowledge in using database management systems (DBMS) in geographic contexts to better handle geographic data. Apply Tessellation partitions of continuous surface data. Analyze vector data models to represent discrete entities using points, lines, boundaries, and nodes as sets of coordinate values with associated attributes.	1,3,4
6. Students will demonstrate an ability to apply geocomputation techniques using geospatial technology in terms of spatial uncertainty in relation to input data and the nature of the estimation technique for model output.	1,3,4
7. Students will demonstrate an ability to apply geospatial data analysis. Apply various models to measure the shape of Earth's surface and how that impacts accuracy and measurement. Apply various ways of geospatially referencing the earth in relation to spheres and ellipsoids. Assess the geometric relationship between datums and coordinate systems of Earth's surface. Transform geographic coordinate systems into plane projections and explain the various distortions that can occur. Demonstrate knowledge of the importance of geospatial data quality in terms of uncertainty within the data, primary versus secondary sources, and appropriate fitness of use of data for a particular project. Demonstrate basic understanding of how geospatial data conforms to legal accuracy standards for land surveying and global positioning systems (GPS). Demonstrate an understanding of geospatial data standards of metadata for maximize efficiency, accuracy, and investment, and to reduce errors, uncertainty, and redundancy.	1,3,4
8. Students will demonstrate an ability to determine the role geospatial technology plays in society. Demonstrate a basic knowledge of the legal aspects of geospatial data and the potential misuse. Demonstrate a basic knowledge of the economic aspects of institutions investing in geospatial technology. Demonstrate an understanding of how geospatial technology is used in local, state, and national governmental agencies, social services, pubic safety, economic and urban development, environmental management, and national defense. Demonstrate a basic knowledge of how organizations assert proprietary interests in relation to geospatial information and how it varies between public and private sectors and between nations. Demonstrate a basic knowledge of the legal and ethical dissemination and access of geospatial information. Demonstrate knowledge of the ethical and moral choices and implications of decision making for individuals and organizations using geospatial information.	1,2,4,5

9. Students will use demonstrate basic knowledge of the organizational and institutional aspects of geospatial technology. Demonstrate a basic knowledge of the institutional and inter-institutional aspects of geospatial technology. Demonstrate an understanding of local, state, national, and international organizations that exist to coordinate, inform, and support geospatial activities.	1,4,5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

QUANTITATIVE STUDIES (QS) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Interim Algebra	4	A	RDG 0900; Within the past year, MATH 0990 w/C grade or better, or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

REQUIRED COURSES: (15 CREDITS)

COURSE		CR	SEM	PREREQUISITE
GEOG 1800	Geospatial Tech	3	A	
GEOG 1820	Applied GIS	3	A	GEOG 1800 or instructor approval
GEOG 2100	Maps/Measurement	3	F	
GEOG 2900	Independent Projects	3	A	Instructor approval
GEOG 2920	Applied GIS II	3	Sp	GEOG 1820 or instructor approval

ELECTIVES:

Students may select up to 6 credits of elective from an area of study. Below is just a small sample of courses from various programs to help students see the broad applications of geospatial technology in their chosen field of study. Students are not limited to the options provided below.

BUSINESS EMPHASIS

COURSE		CR	SEM	PREREQUISITE
ECON 1010	Economics Soc Sci	3	A	
ECON 1600	Intro to Econ Syst	3	F, Sp	
ECON 2010	Microeconomics	3	A	none
ECON 2020	Macroeconomics	3	A	none
ECON 2250	Environment Econ	3	F, Sp	none
ECON 2400	Internt'l Econ	3	F	ECON 2010, ECON 2020
MGT 2600	Intl Trade/Bus	3	Sp	none
MKTG 1030	Intro to Mktg	3	A	none
MKTG 2400	Intnl Mktg	3	F	MKTG 1030, ECON 2020

COMPUTER INFORMATION SYSTEMS EMPHASIS

COURSE		CR	SEM	PREREQUISITE
CIS 1030	Obj-OrientedPro I	3	F, Sp	Recommended: CIS 1020
CIS 1055	Fund of DB Design	3	A	CIS 1020
CIS 1130	Obj-Oriented Pro II	3	F, Sp	CIS 1030
CIS 1555	SQL Programming	3	F, Sp	CIS 1055 or concurrently
CIS 2550	Data Base Prog	3	F, Sp	CIS 1030 and 2010
CIS 2600	Fund Database Mgt	3	A	CIS 1030 or concurrently
CIS 2730	C++Prog w/Objs	3	F, Sp	CIS 1135
CIS 2760	Java I	3	F, Sp	CIS 1135 or concurrently
CIS 2770	Java II	3	F, Sp	CIS 2760

COMPUTER SCIENCE EMPHASIS

COURSE		CR	SEM	PREREQUISITE
CS 1400	Comp Science Fund	4	A	CS 1030 or concurrently
CS 1410	Object Oriented Programg	4	A	CS 1400
CS 2420	Algthms & Data Structures	4	A	CS 1410
CS 2520	InterProg in VB	3	Sp	CS 2420
CS 2540	InterProg in C++	3	F	CS 2420
CS 2550	Adv Java Prog	3	Sp	CS 2420

CRIMINAL JUSTICE EMPHASIS

COURSE		CR	SEM	PREREQUISITE
CJ 1340	Criminal Invest	3	A	CJ 1010
CJ 1350	Intro Forensic Sci	3	A	Recommended: CJ 1340
CJ 2440	Organized Crime	3	F, Sp	CJ 1010
CJ 2450	Terrorism	3	F, Sp	CJ 1010
CJ 2470	Intro Criminology	3	F, Sp	CJ 1010
CJ 2490	Drug Trafficking	3	F, Sp	CJ 1010
CJ 2550	Emergen Mgt Prin	3	F, Sp	CJ 1010

ECOLOGY/WILDLIFE EMPHASIS

COURSE		CR	SEM	PREREQUISITE
BIOL 1030	Intro Plant Biology	4	F, Sp	RDG 0900 w/C grade or better or appropriate Accuplacer score. Coreq: BIOL 1035
BIOL 1035	Intro Plant Bio Lab	0	F, Sp	Coreq: BIOL 1030
BIOL 1050	Intro Animal Biology	4	F, Sp	RDG 0990 w/C grade or better or appropriate Accuplacer score. Coreq: BIOL 1055
BIOL 1055	Intro Animal Bio Lab	0	F, Sp	Coreq: BIOL 1050
BIOL 1070	Intro to Marine Bio	4	F, Sp	RDG 0990 w/C grade of better or appropriate Accuplacer score. Coreq: BIOL 1075
BIOL 1075	Intro Marine Bio Lab	0	F, Sp	Coreq: BIOL 1070
BIOL 1120	Intro Conservation Bio	3	F, Sp	RDG 0900 w/C or better or appropriate Accuplacer score
BIOL 2220	Ecology	4	Sp	BIOL 1610 w/C grade or better. Coreq: BIOL 2225
BIOL 2225	Ecology Lab	0	Sp	Coreq: BIOL 2220
GEOG 1000	Earth's Surf Environ	3	A	

GEOGRAPHY OR ENVIRONMENTAL GEOLOGY EMPHASIS

COURSE		CR	SEM	PREREQUISITE
GEOG 1000	Earth's Surf Env	3	A	
GEOG 1300	Regional Geog	3	F, Sp	
GEOG 1400	Human Geog	3	F, Sp	
GEOG 1700	Natural Disasters	3	A	
GEOG 1780	Remote Sensing of Earth	3	F, Sp	
GEOG 2200	Urban/Envirn Issues	3	Sp	
GEO 1060	Envr Geology	3	Sp	Coreq: GEO 1065
GEO 1065	Envr Geol Lab	1	Sp	Coreq: GEO 1060
GEO 1110	Phys Geology	3	F	Coreq: GEO 1115
GEO 1115	Phys Geolog Lab	1	F	Coreq: GEO 1110
SVT 2110	Photogrammetry	3	Sp	SVT 1110

SURVERYING EMPHASIS

COURSE		CR	SEM	PREREQUISITE
EDDT 1040	Intro to CAD	3	A	
SVT 1030	Survey Field Tech I	3	Sp	SVT 1110 or MATH 1060
SVT 1120	Surveying Math II	4	Sp	SVT 1110
SVT 2030	Survey Field Tech II	3	Sp	SVT 1030
SVT 2040	Control Surveys	3	F	SVT 1120
SVT 2100	Land Develop	3	F	SVT 1110
SVT 2110	Photogrammetry	3	Sp	SVT 1110

SOCIAL SCIENCE EMPHASIS

COURSE		CR	SEM	PREREQUISITE
ANTH 1030	Intro Archaeology	3	A	
ANTH 1500	Basic Field Tech	3	Su	
HIST 1500	World Hist to 1500	3	F, Sp	
HIST 1510	WrldHistSince 1500	3	F, Sp	
HIST 2990	Survey Utah History	3	F, Sp	
HUMA 2300	World Religions	3	A	
POLS 2100	Intro Intl Politics	3	TBA	
POLS 2200	Intro Compare Pol	3	TBA	
POLS 2300	Political Ideology	3	F, Sp	

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
GEOG 1800	3	GEOG 1820	3
MATH 1010	4	CM	3
Total	**7**	**Total**	**6**
FALL SEMESTER		**SPRING SEMESTER**	
GEOG 2100	3	GEOG 2920	3
ELEC	3	GEOG 2900	3
HR	3	ELEC	3
Total	**9**	**Total**	9

GEOGRAPHY – ASSOCIATE OF SCIENCE[CTE] (AS) 63 credits minimum

Division of Natural Sciences
Taylorsville Redwood Campus, SI 345
General Information, (801) 957-4073
Program Information, (801) 957-4150
http://www.slcc.edu/geography
Academic Advisor, SI 209, (801) 957-4858

Faculty:
Associate Professors: Frank Komatar
Instructor: Robert Dastrup, Lauren Parker

Program Description: This program provides a broad base of technical skills for information gathering and analysis as well as strong emphasis in physical geography and geology and an understanding of regional and global cultural aspects of the world. It provides a global awareness, creates a background for job opportunities and applications. This program meets the needs of vocationally-oriented students with a two-year degree goal and also provides a solid foundation for a four-year degree program.

Transfer/Articulation: Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1. Students will demonstrate the ability to… analyze natural processes and systems that dynamically influence the distribution of energy patterns around the planet (e.g. solar energy, atmospheric energy and temperatures, oceanic circulations. assess natural processes and systems that dynamically influence the patterns of weather and climate around the planet (e.g. hydrologic cycle, water resources, elements of weather, storm processes, climate systems, along with natural and anthropogenic climate change). analyze natural processes and systems that dynamically influence Earth's landscape (e.g. plate tectonics, earthquakes and volcanoes, weathering processes, and mass movement). analyze natural processes and systems that dynamically influence the distribution of karst, desert, river, ocean, coastal, and glacial landforms). assess the natural distribution and processes of ecosystems and biomes). determine the role humans' play in creating natural disasters according to categories such as population growth, poverty, environmental degradation, climate change, and politics along with ways to mitigate them. produce bodies of work demonstrating analytical skills in spatial thinking using geospatial technology as a way to analyze and assess Earth's natural processes.	1 – Substantive Knowledge
2. Students will demonstrate the ability to… assess various regions of the world in terms of their environment, culture, people, politics, economics, development, and diversity in order to determine what gives regions their uniqueness and commonality with other regions. analyze geographic patterns and distributions of various cultural features across the earth (e.g. political divisions, religion, economics, industry, religion, language, agriculture, urbanization, population demographic, and natural resources). analyze the spatial distribution, patterns, interrelationships, and conflicts with various regions of the world.	2 – Communicate Effectively

produce bodies of work demonstrating analytical skills in spatial thinking using geospatial technology as a way to analyze and assess the cultural environment.	
3. Students will demonstrate the ability to… assess the impact of limited resources and the potential conflicts at a local, regional, state, and international level. analyze the impacts of urban planning and development on the physical and social landscape at all levels of scale and scope (e.g. local, state, national, international levels). analyze land-cover change patterns using geospatial technology to assess the human footprint on the planet. demonstrate knowledge of the role human's play in impacting Earth's environment (e.g. environmental pollution, climate change, habitat loss, urban sprawl, deforestation and desertification, global population growth). analyze the local, state, national, and international laws, treaties, and declarations that have been put in place to protect the environment, property of the commons, human rights, and trade. produce bodies of work demonstrating analytical skills in spatial thinking using geospatial technology as a way to analyze and assess the human-environment connection.	3 – Develop Quantitative Literacy
4. Students will demonstrate the ability to… apply analytical thought processes using geographic inquiry and spatial thinking skills (e.g. patterns, distributions, interactions, movement, distance decay, and circulation). extract meaning from geographic phenomena, geographic information, and geographic tasks in relation to space and time. perform skills using geospatial technology (i.e. maps, aerial photography, satellite imagery, ArcGIS, Google Earth, ArcGIS Explorer, graphs, or spatial statistics) to compare the physical and cultural landscape. analyze the legal aspects of geospatial data and the potential misuse. determine the economic aspects of institutions investing in geospatial technology. express how geospatial technology is used in local, state, and national governmental agencies, social services, pubic safety, business, criminal justice economic and urban development, environmental management, and national defense. determine the legal and ethical dissemination and access of geospatial information. assess the ethical and moral choices and implications of decision making for individuals and organizations using geospatial information.	4 – Think Critically

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better
OR				
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1030	Quantitative Analysis	3	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:
LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

DISTRIBUTION AREAS:
Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3
Physical Science (PS)	3

REQUIRED COURSES: (31 CREDITS)

COURSE		CR	SEM	PREREQUISITE
GEOG 1000	Earth's Surface	3	A	
GEOG 1400	Human Geography	3	F, Sp	
GEOG 1300	Regional Geography	3	F, Sp	
GEOG 1800	Geospatial Tech	3	A	
GEOG 1820	Applied GIS I	3	F, Sp	GEOG 1800 or instructor approval
GEOG 1900	Special Studies	1-3	A	Instructor approval
GEOG 2100	Maps & Measure	3	F	
GEOG 2200	Urban/Envirn Issues	3	Sp	
GEO 1110	Physical Geology	3	F	Coreq: GEO 1115
GEO 1115	Physical Geo Lab	1	F	Coreq: GEO 1110
MET 1010	Intro to Meteorology	3	A	

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ENGL 1010	3	ENGL 2010	3
GEOG 1000	3	GEOG 1400	3
GEOG 1300	3	GEOG 2200	3
GEOG 1800	3	MET 1010	3
DISTRIBUTION	3	DISTRIBUTION	3
Total	**15**	**Total**	**15**
FALL SEMESTER		**SPRING SEMESTER**	
GEOG 1900	1-3	GEOG 1820	3
GEOG 2100	3	MATH 1030	3
GEO 1110/1115	4	STUDENT CHOICE	3
DISTRIBUTION (2)	6	AI	3
LW	2	DISTRIBUTION (2)	6
Total	**15-17**	**Total**	**18**

Advising Notes: It is the student's responsibility to examine each course description for details of prerequisite courses. Those prerequisites must be satisfied before the designated course may be taken. Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the full program. The semesters in which courses are taught are listed below. Students should check the semester class schedule for day/evening availability and modifications caused by varying enrollment.

DEPARTMENTAL OFFERNINGS

COURSE		CR	SEM	PREREQUISITE
GEOG 1000	Earth's Surface	3	A	
GEOG 1400	Human Geog	3	F, Sp	
GEOG 1300	Regional Geog	3	F, Sp	
GEOG 1700	Natural Disasters	3	A	

GEOG 1780	Remote Sensing of Earth	3	F, Sp	
GEOG 1800	Geospatial Technology	3	A	
GEOG 1820	Applied GIS I	3	F, Sp	GEOG 1800 or instructor approval
GEOG 1900	Special Studies	1-3	A	Instructor approval
GEOG 2000	CO-OP	2-4	A	Instructor approval
GEOG 2100	Maps & Measur	3	F	
GEOG 2200	Urban/Envirn Issues	3	Sp	
GEOG 2900	Independ Projects	1-3	A	Instructor approval
GEOG 2920	Applied GIS II	3	Sp	GEOG 1820 or instructor approval
GEO 1010	Intro to Geology	3	A	
GEO 1110	Physical Geol	3	F	Coreq: GEO 1115
GEO 1115	Physical Geo Lab	1	F	Coreq: GEO 1110
GEO 1060	Env Geology	3	Sp	Coreq: GEO 1065
GEO 1065	Env Geology Lb	1	Sp	Coreq: GEO 1060
GEO 1220	Historical Geol	3	Sp	GEO 1110. Coreq: GEO 1225
GEO 1225	Histor Geol Lab	1	Sp	Coreq: GEO 1220
GEO 2350	Field Studies	3	Su	Instructor approval

GEOMATICS – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 69 credits minimum

Division of Natural Sciences
Taylorsville Redwood Campus, SI 341
General Information, (801) 957-4073
Program Information, (801) 957-4176
http://www.slcc.edu/surveying
Academic Advisor, SI 209, (801) 957-4858

Program Faculty:
Associate Professor and Program Contact – Walter M Cunningham, PLS
All Geomatics faculty are experienced and licensed professional land surveyors.

Program Description: The surveying, or geomatics, program serves three distinct purposes:

1. Provides students who have little or no experience in the field the skills needed for employment as a surveyor;
2. Gives those already working in the profession additional knowledge needed to prepare for their professional licensing examinations;
3. Gives licensed professionals' opportunities for upgrade training on new issues and equipment in surveying.

A "C" grade or better is required in all geomatics program courses.

Career Technician Certification: SLCC is an approved National Society of Professional Surveyors (NSPS) Certified Surveying Technician (CST) Proctor Site.

Transfer/Articulation Information: Students have the option to continue at Utah Valley University in the Geomatics bachelor degree program.

Estimated Time to Completion: If a student follows the proposed sample schedule outline, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
Core Knowledge in Surveying 1. Successful students will demonstrate the ability to… — demonstrate knowledge of surveying history. — analyze how to apply units of measurement. — determine the role of the surveyor. — determine the fundamentals of surveying. 2. Successful students will demonstrate the ability to… — utilize the specialized formulas and mathematical functions. — apply trigonometry and algebra. — apply mathematical and analytical skills relating to an entry-level surveyor could be expected to perform. 3. Successful students will demonstrate the ability to perform these various types of professional surveys and applications: — Control — GPS, GIS, and Land Planning — Public lands — Construction and staking — Boundary	1,2,3,4,5
Field Experience in Surveying 1. Successful students will demonstrate the ability to… — Observe and apply safety precautions.	1,2,5

— Analyze environmental concerns. 2. Successful students will demonstrate entry-level and hands-on applications and concepts, including: — the roles of surveying party members, including party Chief, Instrument Person, Rod-person, Note-keeper/sketcher, tape-person/safety spotter. — the ability to perform and check mathematical calculations and operations. — the ability to operate surveying equipment and instruments, including automatic Total Stations, rods, auto-levels, plumb-bobs, high-accuracy RTK GPS, automatic data collectors, etc. — the ability to perform accurate field-note taking and records. — the ability to work in teams and collaboration.	
Office Skills in Surveying 1. Successful students will demonstrate the ability to… — use CAD and GIS as source data. — apply correct use of analytical and calculation tools. — demonstrate knowledge of the various interdisciplinary surveying applications of CAD and GIS in land development, drafting, and mapping. 2. Successful students will demonstrate and exhibit proficiency in… — Public record research. — Writing legal descriptions of land parcels. 3. Successful students will demonstrate a sound knowledge and analysis using Photogrammetry, including… — equipment — aerial geometry — stereoscopic viewing — map development	1,2,3,4
Legal Knowledge and Skills in Surveying 1. Successful students will demonstrate understanding of the laws and standards regarding… — surveying ethics. — surveying liability. 2. Successful students will demonstrate knowledge of... — the history of U.S. boundary law. — applications of boundary law. — ownership and transfer of real property. — title rights and interests in land. — current statutory and case laws. — the surveyor's role in unwritten boundary lines. — the surveyor's role in legal proceedings.	1,4,5
Specialized Depth Electives in Surveying 1. Successful students will exhibit an acceptable knowledge of… — applied GIS and software. — land development and planning	1

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
SVT 1110	Surveying Math I	4	A	MATH 1060 or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem Effective Comm	3	A	
OR				
COMM 1020	Prin Public Speaking	3	A	

HUMAN RELATIONS (HR) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
LE 1220	Human Relations	3	A	

DISTRIBUTION AREAS: 3 CREDITS

Choose an additional three credits from one of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (47 CREDITS)

COURSE		CR	SEM	PREREQUISITE
*EDDT 1040	Intro to CAD	3	A	
*EDDT 1420	Basic Microstation	2	A	
*EDDT 2190	Civil Drafting	2	F, Sp	EDDT 1040, EDDT 1420
ENGL 2100	Technical Writing	3	A	ENGL 1010
GEOG 1800	Geospatial Tech	3	A	
**SVT 1010	Intro to Surveying	1	A	
**SVT 1030	Survey Field Tech I	3	F, Sp	SVT 1110 or MATH 1060
**SVT 1120	Surveying Math II	4	Sp	SVT 1110
SVT 2020	Public Land Survey	3	Sp	SVT 1030, SVT 1120
**SVT 2030	Survey Field Tech II	3	F, Sp	SVT 1030
**SVT 2040	Control Surveys	3	F	SVT 1120
**SVT 2050	Legal Description	3	A	ENGL 2100, SVT 1120, SVT 2020 or all concurrently
**SVT 2060	Ethics & Liability	2	A	
**SVT 2110	Photogrammetry	3	Sp	SVT 1110
**SVT 2160	Land Boundary Law I	2	F	
**SVT 2170	Land Boundary Law II	2	Sp	Recommended: SVT 2160
**SVT 2200	Public Records	2	Sp	SVT 2050, 2160, 2170 or all concurrently
**SVT 2290	App Survey Drafting	3	F	EDDT 2190, SVT 1030

*Credit may be granted for equivalent experience or courses; challenge tests available

**Credit may be granted for equivalent experience or courses; challenge tests available up to 16 credit hours

PROGRAM ELECTIVES: (SELECT 6 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
GEOG 1820	Applied GIS I	3	A	GEOG 1800 or instructor approval
GEOG 1780	Remote Sense Earth	3	F, Sp	
SVT 2100	Land Development	3	F	SVT 1110
SVT 2990	Special Topics	1-3	A	Instructor approval

SAMPLE SCHEDULE			
Students should complete the following courses to begin in the Fall:			
EDDT 1040	3		
GEOG 1800	3		
MATH 1060	3		
Total	**9**		
FALL SEMESTER		**SPRING SEMESTER**	
EDDT 1420	2	ENGL 2100	3
EDDT 2190	2	LE 1220	3
ENGL 1010	3	SVT 1030	3
SVT 1010	1	SVT 1120	4
SVT 1110	4	SVT 2060	2
DISTRIBUTION	3	SVT 2110	3
Total	**15**	**Total**	**18**
FALL SEMESTER		**SPRING SEMESTER**	
COMM 1010/1020	3	SVT 2020	3
SVT 2040	3	SVT 2030	3
SVT 2160	2	SVT 2050	3
SVT 2290	3	SVT 2170	2
ELEC	3	SVT 2200	2
		ELEC	3
Total	**14**	**Total**	**16**

Advising Notes: Students who need to take preparatory classes to meet the requirements of first semester courses (see summer term in sample schedule) should plan on extra time to complete the program. It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken and may require extra time to complete the program.

SVT courses are taught in the evening and on Friday and Saturday to accommodate students already working in the profession. Courses available in an online format are: SVT 1010, SVT 2050, SVT 1110 and SVT 2060.

HEALTH AND LIFETIME ACTIVITIES

Health and Lifetime Activities Department
Taylorsville Redwood Campus, LAC 201, (801) 957-5055
General Information, (801) 957-4073
http://www.slcc.edu/hla
Academic Advisor, SI 209, (801) 957-4858

Program Faculty:
Professor - Gustavo Ibarra
Associate Professors - Soni Adams, Dollie Richards, Jean Widdison
Assistant Professors - Maryln Harmer, Julie Morgan, Paul Roberts
Instructors - Julia Erbacher, Chad Harbaugh, L. Nate Thomas

Program Description: The Health and Lifetime Activities (HLA) program is committed to providing a wide range of activities to students and faculty. Any Lifetime Activities course (HLAC prefix) will fill the institutional requirement for Lifelong Wellness (LW) when pursuing an AA or AS degree.

Most lifetime activities courses may be designed or adapted for students with physical disabilities. Students who are interested in any adaptive Lifetime Activities course should see the Chair of the Health and Lifetime Activities Department for further information.

HLAC also offers a Fitness Technician AAS degree.

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. The semesters in which courses are taught are listed below. Students should check the semester class schedule for day/evening availability and other modifications to the semester schedule.

DEPARTMENTAL OFFERINGS

COURSE		CR	SEM	PREREQUISITE
HLTH 1020	Foundations Nutrition	3	A	
HLTH 1050	Life, Society & Drugs (ID)	3	A	
HLTH 1105	Body & Weight Mgt	2	F,Sp	
HLTH 1110	Social Health Div (ID, DV)	3	F,Sp	
HLTH 1150	Know Greater Heroes I	3	F,Sp	
HLTH 1200	First Aid & Safety	3	A	
HLTH 1240	Thry/Prac of Meditat (LW)	2	F,Sp	
HLTH 1242	Laughter Yoga (LW)	2	F,Sp	
HLTH 1243	Intro Laugh Yoga Instruc	2	F,Sp	Recommended: HLTH 1242
HLTH 1245	Environmental Yoga (LW)	2	F,Sp	
HLTH 1250	Stress Mgmt	2	A	
HLTH 1255	Mind/Body Con	3	F,Sp	
HLTH 1260	21st Century Medicine	3		
HLTH 1300	Doula & Childbirth Prep	3	A	
HLTH 1325	Intro Group Fit Instructor	2	A	
HLTH 1350	Intro Yoga Teacher Traing	3	A	Recommended: HLAC 1057 or HLAC 1058 or personal practice
HLTH 1355	Yoga Teacher Training II	2	A	
HLTH 1360	Yoga Teacher Training III	3	A	Recommended: HLTH 1350
HLTH 1365	Yoga Teacher Training IV	3	A	Recommended: HLTH 1350
HLTH 1370	Yoga Teacher Practicum	2	A	Instructor approval
HLTH 1400	IntroPersTrng/GrpEx	2	F,Sp	
HLTH 1405	Eval&AssessmtFitnss	3	F,Sp	Receommended: HLTH 2200
HLTH 1500	Lifetime Well & Fit (ID)	3	A	
HLTH 2020	Nutrition Life Cycle	3	F,Sp	
HLTH 2021	Nutrition Fitness/Sports	3	F,Sp	HLTH 1020
HLTH 2100	FtnsMvtn&BhvrRsp	3	F,Sp	
HLTH 2150	Know Greater Heroes II	3	F,Sp	HLTH 1150

HLTH 2200	Kinesiology	3	A	Recommended: BIOL 1090
HLTH 2250	Exercise Physiology	3	A	Recommended: BIOL 1090
HLTH 2300	Emergency Med Tech	10	TBA	Must be 18 years old
HLTH 2400	Exer&DimsAging	3	F, Sp	HLTH 1405
HLTH 2430	Dsng Trng Prgrams	3	F, Sp	HLTH 1405
HLTH 2435	Prs Ftnss Trnr Indtry	3	F, Sp	Recommended: HLTH 1400
HLTH 2450	Persnl Trainer Intern	3	Sp	Instructor's approval
HLAC 1000	Cardio Fitness (LW)	1	A	
HLAC 1013	Body Strgth & Tone (LW)	1	A	
HLAC 1014	Cross Fit (LW)	1	A	
HLAC 1015	Spinning (LW)	1	A	
HLAC 1020	Step (LW)	1	A	
HLAC 1025	Interval Training (LW)	1	A	
HLAC 1030	Kick Boxing(LW)	1	A	
HLAC 1035	Zumba (LW)	1	A	
HLAC 1040	Belly Dancing (LW)	1	A	
HLAC 1046	Jog/Walk (LW)	1	A	
HLAC 1051	TRX (LW)	1	A	
HLAC 1052	Boot Camp (LW)	1	A	
HLAC 1055	Pilates I (LW)	1	A	
HLAC 1056	Pilates II (LW)	1	A	Recommended: HLAC 1055 or previous Pilates experience
HLAC 1057	Yoga I (LW)	1	A	
HLAC 1058	Yoga II (LW)	1	Sp	Recommended: HLAC 1057 or previous yoga experience
HLAC 1062	Flxblty f/Fitness (LW)	1	F, Sp	
HLAC 1073	Aerobic Circuit (LW)	1	A	
HLAC 1080	Strength Train I (LW)	1	A	
HLAC 1081	Strength Train II (LW)	1	A	Recommended: HLAC 1080
HLAC 1096	Fitness for Life (LW)	1	A	
HLAC 1100	Tennis I (LW)	1	A	
HLAC 1101	Tennis II (LW)	1	A	Recommended: HLAC 1100
HLAC 1105	Badminton (LW)	1	F, Sp	
HLAC 1110	Racquetball I (LW)	1	A	
HLAC 1111	Racquetball II (LW)	1	F, Sp	Recommended: HLAC 1110
HLAC 1130	Golf I (LW)	1	A	
HLAC 1131	Golf II (LW)	1	A	Recommended: HLAC 1130
HLAC 1145	Bowling I (LW)	1	A	
HLAC 1146	Bowling II (LW)	1	A	Recommended: HLAC 1145
HLAC 1200	Basketball I (LW)	1	A	
HLAC 1201	Basketball II (LW)	1	A	
HLAC 1210	Volleyball I (LW)	1	A	
HLAC 1211	Volleyball II (LW)	1	A	Recommended: HLAC 1210
HLAC 1212	Volleyball III (LW)	1	F, Sp	Recommended: HLAC 1211
HLAC 1213	Sand Volleyball (LW)	1	A	
HLAC 1230	Soccer I (LW)	1	F, Sp	
HLAC 1232	Competitive Soccer (LW)	1	A	Member of SLCC competitive soccer team
HLAC 1350	Scuba I (LW)	1	A	
HLAC 1351	Scuba II (LW)	1	A	HLAC 1350, instructor approval or Open Water course
HLAC 1410	T'ai Chi (LW)	1	A	
HLAC 1413	Qi Gong (LW)	1	A	
HLAC 1440	Aikido I (LW)	1	A	
HLAC 1442	Brazilian Capoeira (LW)	1	F, Sp	
HLAC 1445	Taekwon-Do (LW)	1	A	
HLAC 1446	Taekwon-Do II (LW)	1	A	HLAC 1445 or instructor approval
HLAC 1449	KFI/Wing Chun (LW)	1	A	
HLAC 1450	Kung Fu I/Hung Gar (LW)	1	A	
HLAC 1451	Kung Fu II (LW)	1	A	HLAC 1450 or instructor approval
HLAC 1520	Hiking I (LW)	1	A	

HLAC 1527	Rock Climbing I (LW)	1	A	
HLAC 1528	Rock Climbing II (LW)	1	A	Recommended: HLAC 1527 or instructor approval
HLAC 1535	Backpacking (LW)	1	Su	Moderate fitness level
HLAC 1540	Relat Odr Activity (LW)	1	A	
HLAC 1550	Mt Biking I (LW)	1	A	
HLAC 1551	Mt Biking II (LW)	1	A	Recommended: HLAC 1550
HLAC 1610	Skiing/Snowbd (LW)	1	Sp	
HLAC 1655	Snowshoeing I (LW)	1	Sp	
HLAC 1715	Ctry Wes Dnc I (LW)	1	F, Sp	
HLAC 1720	Social Dance I (LW)	1	F, Sp	
HLAC 1721	Social Dance II (LW)	1	F, Sp	Recommended: HLAC 1720
HLAC 1725	Latin Social Dance (LW)	1	A	
HLAC 1800	Intercol Athletics I (LW)	1	F	Instructor approval
HLAC 1801	Intercol Athletics II (LW)	1	Sp	Instructor approval
HLAC 1802	Intercol Athl III (LW)	1	F	Instructor approval
HLAC 1803	Intercol Athl IV (LW)	1	Sp	Instructor approval
HLAC 1805	Cheer Squad I (LW)	1	F	Instructor approval
HLAC 1806	Cheer Squad II (LW)	1	Sp	Instructor approval
HLAC 2110	Princ of Weight Trng (LW)	1	A	

FITNESS TECHNICIAN – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 64 credits minimum

Health and Lifetime Activities Department
Taylorsville Redwood Campus, LAC 201, (801) 957-5055
General Information, (801) 957-4073
http://www.slcc.edu/hla
Academic Advisor, SI 209, (801) 957-4858

Program Faculty:
Professor - Gustavo Ibarra
Associate Professors - Soni Adams, Dollie Richards, Jean Widdison
Assistant Professors - Maryln Harmer, Julie Morgan, Paul Roberts
Instructors - Julia Erbacher, Chad Harbaugh, L. Nate Thomas

Program Description: The Fitness Technician Program is designed to train students to meet the growing demand in the fitness profession for personal trainers. Core courses include training in nutrition, first-aid, wellness concepts, kinesiology, exercise physiology, weight management, fitness motivation, principles of weight training and principles of flexibility. An internship of 120 hours is required to complete the degree.

Successful completion of the program prepares the graduate to sit for certifications from various national associations including (but not limited to): the National Academy of Sports Medicine (NASM), the National Strength & Conditioning Association-Certified Personal Trainer (NSCA-CPT), American College of Sport Medicine (ACSM) and the American Council on Exercise (ACE).

Career Opportunities: There is a need for well-trained Personal Trainers/Fitness Consultants.

Transfer/Articulation Information: Program is not meant to transfer/articulate as it is meant to lead directly into a fitness career. Some classes do transfer to four year institutions, check with their advisors for transfer information.

Program/Course Fees: HLTH 1200 required a $50 course fee

Estimated Cost for Students: Beyond SLCC tuition and fees, total textbook cost is approximately $1,000

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
Students will… a. Students will demonstrate their knowledge of basic human anatomy and physiology. b. Students will demonstrate their knowledge of basic fitness concepts and principles. c. Students will demonstrate their knowledge of fitness assessment and evaluation concepts. d. Students will demonstrate their knowledge of the principles of designing a fitness program specific to client goals, age, gender, fitness level, and physical limitations.	1,3
Students will… a. Students will demonstrate an understanding of fitness principles by designing a fitness program specific to client goals, age, gender, fitness level, and physical limitations. b. Students will demonstrate an understanding of the fitness industry business practices, certifications, ethics, etc.	1,3,4

Students will… a. Students will demonstrate an ability to motivate and train clients in a complete fitness program. b. Students will certify with a national certifying body.	1,2,4,5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
FIN 1380	Financial Math (QS)	3	A	MATH 0990 or appropriate Acculplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem of Eff Comm	3	A	

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE		CR	SEM	PREREQUISITE
MKTG 1010	Customer Service	2	A	
OR				
MKTG 1960	Prof in Business	3	A	

DISTRIBUTION AREAS: (3 CREDITS)

Choose one additional course (three credits) from one of the following distribution areas.

COURSE	CR
*Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
*Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

NOTE: BIOL 1090 and HLTH 1500 are program course requirements and cannot be taken as general education Distribution requirements.

REQUIRED COURSES: (50 CREDITS)

COURSE		CR	SEM	PREREQUISITE
BIOL 1090	Human Biology	3	A	RDG 0900 w/C or better
HLAC 1062	Flxblty f/Fitness	1	A	
HLAC 2110	Prin Weight Trng	1	A	
HLTH 1020	Fndtions Nutrition	3	A	
HLTH 1105	Body Image Wt Mgt	2	A	
HLTH 1200	First Aid/Safety	3	A	
HLTH 1400	IntroPrsnlTrn/GrpEx	2	A	
HLTH 1405	Eval&AssessFitns	3	A	Recommended: HLTH 2200
HLTH 1500	Lifetm Well/Fitnss	3	A	
HLTH 2021	Nutrition f/Fit/Sport	3	A	HLTH 1020 or HLTH 2020 recommended
HLTH 2100	FtnssMtvtn/BhRsp	3	A	
HLTH 2200	Kinesiology	3	A	Recommended: BIOL 1090
HLTH 2250	Exercise Phys	3	A	Recommended: BIOL 1090
HLTH 2400	Exer&DmAging	3	F, Sp	HLTH 1405
HLTH 2430	Design Trng Progs	3	F, Sp	HLTH 1405
HLTH 2435	Persnl Fit Industry	3	F, Sp	Recommended: HLTH 1400
HLTH 2450	Pers Trng Intern	3	F, Sp	Instructor approval

ELECTIVE COURSES: (COMPLETE 5 of the 12 COURSES LISTED BELOW)

COURSE		CR	SEM	PREREQUISITE
HLAC 1000	Cardio Fitness	1	A	
HLAC 1013	Body Strength & Tone	1	A	
HLAC 1014	Cross Fit	1	A	
HLAC 1015	Spinning	1	A	
HLAC 1020	Step	1	A	
HLAC 1025	Interval	1	A	
HLAC 1030	Kickboxing	1	A	
HLAC 1051	TRX	1	A	
HLAC 1052	Boot Camp	1	A	
HLAC 1055	Pilates I	1	A	
HLAC 1057	Yoga I	1	A	
HLAC 1096	Fitness for Life	1	A	

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
ENGL 1010	3	COMM 1010	3
BIOL 1090	3	HLTH 1105	2
HLTH 1020	3	HLTH 1405	3
HLTH 1200	3	HLTH 1500	3
HLTH 1400	2	HLTH 2200	3
HLAC 1013	1	HLAC 1015	1
HLAC 1096	1	HLAC 1062	1
Total	**16**	**Total**	**16**

FALL SEMESTER		SPRING SEMESTER	
FIN 1380	3	MKTG 1960	3
HLTH 2021	3	HLTH 2400	3
HLTH 2100	3	HLTH 2435	3
HLTH 2250	3	HLTH 2450	3
HLTH 2430	3	DISTRIBUTION	3
HLAC 1000	1	HLAC 1055	1
HLAC 2110	1		
Total	**17**	**Total**	**16**

HEALTH INFORMATION TECHNOLOGY – CERTIFICATE OF COMPLETION[CTE] 34 credits minimum

Allied Health Division
Jordan Campus, JCHSC 059A
Program Information, (801) 957-6215
http://www.slcc.edu/hit
Academic Advising, JHS 047, (801) 957- 6407
Health Science Admissions, JHS 047, (801) 957-6253

Program Faculty:
TBD

Program Description: The program will train students in medical records and health information covering assembling patients' health information to include medical history, symptoms, examination results, diagnostic tests, treatment methods, and all other healthcare provider services. The program will expose students to the use of electronic health records (EHR/EMR), computer software, EHR security, and analyzing electronic data to improve healthcare information, maintain data on patient safety, patterns of disease, and disease treatment and outcome. The program's focus will incorporate medical coding, including the new ICD 10 protocols and procedures that specializing in codifying patients' medical information for reimbursement purposes. This classification system determines the amount for which healthcare providers will be reimbursed if the patient is covered by Medicare, Medicaid, or other insurance programs using the system (redacted from Bureau of Labor and Statistics).

The Certified Coding Associate (CCA) exam can be completed by program graduates (National Commission for Certifying Agencies [NCCA] and American Health Information Management Association [AHIMA]). The proposed courses and design of curriculum align with the AHIMA standards and CAHIIM standards.

"The CCA credential distinguishes coders by exhibiting commitment and demonstrating coding competencies across all settings, including both hospitals and physician practices" (AHIMA).

Career Opportunities: According to the Bureau of Labor and Statistics and Utah Department of Workforce Services, employment is expected to grow faster than average and job prospects should be very good and much faster than the average for all occupations through 2018. Technicians with a strong understanding of technology and computer software will be in particularly high demand. Employment growth will result from the increase in the number of medical tests, treatments, and procedures that will be performed. In addition, with the increasing use of electronic health records, more technicians will be needed to complete the new responsibilities associated with electronic data management.

Transfer/Articulation Information: The transfer and articulation agreements will be pursued with compatible programs at USHE institutions as they develop. This program is designed for students to acquire knowledge and skills to successfully pass exam/licensure. An AS degree is not required, but students seeking an advanced degree may seek the advice of an Academic Advisor.

Program Entry Requirements: It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated program classes may be taken. Students who are not prepared to take college level classes may be required to take additional preparatory courses.

Preparation Note: Students who need to take mathematics and writing preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the degree. Placement testing for English and Math must be done upon entry to the College unless students have college-level English and Math transfer credits. Prerequisites may be met through higher-level courses, transfer credit, Advanced Placement (AP) credit or College Level Examination Program (CLEP) credit.

Total Program/Course Fees: Course Fee $ 75.00

Estimated Cost for Students: $7,500 total tuition cost which does not include lab fees, program fees, books & supplies or online course fees.

Estimated Time to Completion: If students follow the program semester schedule, time to completion is three semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1. Assign diagnosis and procedure codes using ICD-10-CM/PCS. Assign procedure codes using CPT/HCPCS. Assign procedure codes using ICD-9-CM 2. Access and evaluate the EHR: An electronic record of health-related information on an individual that conforms to nationally recognized interoperability standards and that can be created, managed and consulted by authorized clinicians and staff across more than one health care organization. 3. Demonstrate an understanding of a Health Information Exchange: The electronic movement of health-related information among organizations according to nationally recognized standards. 4. Demonstrate an understanding of the role of Information Technology as it relates to Healthcare Delivery 5. Demonstrate ability to protect data integrity and validity using software or hardware technology and use spreadsheets, databases, word processing, graphics, presentation, statistical, e-mail) . 6. Demonstrate an understanding of a Health Information Organization (Regional). 7. 7. Describe and evaluate emerging technologies in coding: CAC, Voice Recognition, coding from the EHR, reading imaged documents.	1 – Substantive Knowledge
1. Demonstrate the ability to interact in a medical environment and use proper industry terminology for health care environments.	2 – Communicate Effectively
1. Summarize Healthcare institution's billing process and/or revenue cycle process 2. Summarize and identify budget information about health care institutions. 3. Summarize information about major health care reimbursement plans.	3 – Develop Quantitative Literacy
1. Evaluate the role of Information Technology as it relates to Healthcare Delivery. 2. Demonstrate an understanding of global issues in healthcare and delivery mechanisms. 3. Protect data integrity and validity using software or hardware technology	4 – Think Critically
1. Show maintenance of compliance with regulations and standards associated with health information management, which are distributed by private and governmental agencies (e.g., CMS, JCAHO, NCQA).	5 – Civic Engagement and/or Working Professionally

CO-REQUISITES: (COURSES CAN BE TAKEN SIMULTANEOUSLY WITH HIT REQUIRED COURSES)

COMMUNICATION (CM) 3 CREDITS

Any approved Communications (CM) course

HUMAN RELATIONS (HR) 2-3 CREDITS

Any approved Human Relations (HR) course

REQUIRED COURSES: (34 CREDITS)

COURSE		CR	SEM	PREREQUISITE
HIT 1010	Intro to Computers	1	Sp	
HIT 1020	Intro Diagnosis Code	3	Sp	
HIT 1030	Basic Procedure Code Sys	3	Sp	
HIT 1100	Med Terminology for HI	3	Sp	
HIT 1040	Pathophysiology for HI	3	Sp	
HIT 1110	Health Informatics	3	Su	HIT 1020 and either HIT 1010 or CIS 1020
HIT 1120	Pharmacotherapy HI	2	Su	HIT 1040

HIT 1130	Hlthcare Reimburse	3	Su	HIT 1020, 1030 and 1040
HIT 1140	Hlthcare Data Structure	3	Su	HIT 1020, 1030 and 1040
HIT 1150	Hlthcare Delivery Sys	3	F	HIT 1020, 1030 and 1040
HIT 1220	Inter Diagnosis Code	3	F	HIT 1020
HIT 1230	Inter Procedure Code	3	F	HIT 1030
HIT 1250	Prof Practice Exper	1	F	Instructor approval

SAMPLE SCHEDULE			
FIRST SEMESTER		**SECOND SEMESTER**	
HIT 1010	1	HIT 1110	3
HIT 1020	3	HIT 1120	2
HIT 1030	3	HIT 1130	3
HIT 1100	3	HIT 1140	3
HIT 1040	3		
Total	**13**	**Total**	**11**
THIRD SEMESTER			
HIT 1150	3		
HIT 1220	3		
HIT 1230	3		
HIT 1250	1		
Total	**10**		

HEALTH SCIENCES – ASSOCIATE OF SCIENCE (AS) 63 credits minimum

School of Health Sciences
Jordan Campus
General Information, (801) 957-4073
Program Information, (801) 957-6215
http://www.slcc.edu/hs
Academic Advisor, JHSC 047, (801) 957-6407

Program Description: This degree is recommended for students who plan to transfer to four-year colleges. Completion of the Associate of Science degree with a Health Sciences emphasis does not affect the professional status, certification or licensure of graduates of associate of applied science degree programs in the health science division.

NOTE: This degree is designed for students already accepted into other Health Sciences programs. It allows for courses already required to achieve a specific Associate of Applied Science degree to be combined with additional courses to earn an Associate of Science degree.

Career Opportunities: Please refer to specific information under the Health Sciences AAS degree options.

Transfer/Articulation Information: Admission into a major program at a transfer institution is solely determined by the transfer institution. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended transfer institution for specific articulation information.

Program Entry Requirements: Students must be accepted into one of the Health Science programs that offers an Associate of Applied (AAS) Science degree.

Estimated Cost for Students: Cost of AAS degree courses plus tuition, fees and books for remainder of General Education Requirements.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
Student will demonstrate a rate, of either intent for immediate employment or intent for admission to a baccalaureate program, of at least eighty percent (80%).	1 – Substantive Knowledge
Eighty percent (80%) of graduates will rank “course content” and “quality of instruction” at the “GOOD” level or better.	1 – Substantive Knowledge
Students will be effective in verbal, written and non-verbal communications.	2 – Communicate Effectively
Students will possess basic mathematic knowledge appropriate to their field.	3 – Develop Quantitative Literacy
Students will utilize critical thinking skills in problem solving and decision-making.	4 – Think Critically
Students will demonstrate the ability to work with others in a professional and constructive manner in the healthcare environment.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) CHOOSE ONE COURSE (3-4 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
MATH 1030	Quantitative Reasoning	3	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score
MATH 1040	Intro to Statistics	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score

MATH 1050	College Algebra	4	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score

NOTE: University of Utah Nursing requires STAT 1040.

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

NOTE: For this program, students may select an additional DV course.

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3
Physical Science (PS)	3

NOTE: Some of the General Education and Institutional Requirements may already be met in the AAS degree requirements.

REQUIRED COURSES:

An Associate of Science degree can be earned in the following AAS degree options in addition to completing the above General Education requirements. For information on specific courses, contact the Health Sciences Advising Receptionist, (801) 957-6215, to schedule an appointment with an academic advisor.

NOTE: Students must also complete their AAS degree requirements in either: Dental Hygiene, Mortuary Science, Occupational Therapy Assistant, Physical Therapist Assistant, Radiologic Technician or Nursing.

DENTAL HYGIENE OPTION[CTE]

This option does NOT make the Dental Hygiene AAS degree transferable to a Dental Hygiene baccalaureate degree.

MORTUARY SCIENCE OPTION[CTE]

This option does NOT make the Mortuary Science AAS degree transferable to a Mortuary Science baccalaureate degree.

OCCUPATIONAL THERAPY ASSISTANT OPTION[CTE]

This option does NOT make the Occupational Therapy Assistant AAS degree transferable to an Occupational Therapy baccalaureate degree.

PHYSICAL THERAPIST ASSISTANT OPTION[CTE]

This option does NOT make the Physical Therapist Assistant AAS degree transferable to a Physical Therapy baccalaureate degree.

RADIOLOGIC TECHNOLOGY OPTION[CTE]

This option does NOT make the Radiologic Technology AAS degree transferable to a Radiologic Technology baccalaureate degree.

REGISTERED NURSING OPTION[CTE]

This option may be helpful for the Nursing AAS degree RN who is seeking admission to RN to BSN completion programs. Call the nursing academic advisor at (801) 957-6407 for additional information related to these programs.

Advising Notes: It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. Students who need to take preparatory classes to meet requirements of first semester courses should plan on extra time to complete the program.

HISTORY – ASSOCIATE OF ARTS (AA) 62 credits minimum

History, Anthropology and Political Science Department
Taylorsville Redwood Campus, CT 262/CT 266
General Information, (801) 957-4073
Department Admin Assistant, (801) 957-4307
http://www.slcc.edu/history
Academic Advisor, TB 315, (801) 957-3866

Department Chair: Marianne McKnight, (801) 957-4547

Program Faculty:
Professors – Ernest Randa
Associate Professor – Marianne McKnight, Cyriaque Beurtheret
Assistant Professors – Chris Case
Instructors – Tamora Hoskisson, Theodore Moore

Program Description: The History program is designed to expose students to a variety of history fields and to the methods used by historians. Students who complete the program will be well prepared to undertake upper division history courses or complete a four-year degree. Students should check with the department or Academic Advisor to determine which courses are transferable to other colleges within the Utah System of Higher Education.

Career Opportunities: Teaching history on the secondary and higher education levels; research for governmental agencies, private firms, and NGOs; archival, curating and museum work.

Transfer/Articulation Information: Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Estimated Time to Completion: If students follow the suggestion schedule of classes, completion time is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
Students will: a) acquire substantive knowledge of the major social, political, and economic themes in a variety of history fields; b) understand the ways in which the study of the past informs the present; c) understand the methodologies historians utilize; d) be able to identify major schools of thought.	1 – Substantive Knowledge
Students will speak and write analytically, comparatively, and persuasively about historical themes, interpretations, arguments and ideas in a skilled and respectful manner.	2 – Communicate Effectively
Students will be able to: a) gather, identify, differentiate and analyze data from both primary and secondary historical sources; b) interrogate and contextualize sources; c) evaluate contested interpretations; d) use evidence to create narrative; e) revise narrative in the light of new findings.	4 – Think Critically

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) CHOOSE ONE COURSE (3-4 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
MATH 1040	Intro to Statistics	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score
MATH 1040	Intro to Statistics	3	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score
MATH 1050	College Algebra	4	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3
Physical Science (PS)	3

NOTE: The following courses will fulfill the General Education Distribution Area requirement in Social Sciences (SS): HIST 1100, HIST 1110, HIST 1300, HIST 1310, HIST 1450, HIST 1460, HIST 1500, HIST 1510, HIST 2700, HIST 2710. If one of these courses is selected to fill the General Education Social Sciences (SS) requirement, it may also count toward the credit hours of History required in the Major Course Requirements. If this option is selected, student must also complete an additional 3 credit hours in the non-history Electives area.

LANGUAGE (LN) 5 CREDITS

COURSE		CR	SEM	PREREQUISITE
LANG 1010		5	A	
LANG 1020	(LN)	5	A	LANG 1010

NOTE: *LANG prefix does not exist—that prefix would be replaced by the prefix for the individual language chosen: ARB, CHI, FRN, GER, ITL,JPN, NAV, POR, RUS, SAM, SPN, TNG

Students who want to earn a BA degree after transfer from SLCC are advised to take a language that the chosen school offers as upper-division to meet the BA language requirement. Not all colleges and universities offer all languages; consult with the chosen school's language department.

REQUIRED COURSES: (15 CREDITS)

COURSE		CR	SEM	PREREQUISITE
HIST 1100	West Civilization(SS)	3	A	
HIST 1110	West Civ Since 1300(SS)	3	A	
HIST 2700	US Hist to 1877(SS)	3	A	
HIST 2710	US Hist Since 1877(SS)	3	A	

SELECT ONE COURSE FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
HIST 1500	World Hist to 1500(SS)	3	A	
HIST 1510	World Hist Snc 1500(SS)	3	A	
HIST 1300	Col Latin Amer(SS)	3	F	
HIST 1310	Mod Latin Amer(SS)	3	Sp	
HIST 1450	Middle Eastern Civ(SS)	3	F	
HIST 1460	Modern Mid East Civ(SS)	3	Sp	

ELECTIVES: (SELECT 3 CREDITS FROM ANY COLLEGE COURSE NUMBERED 1000 OR ABOVE)

COURSE		CR	SEM	PREREQUISITE
ANTH 2011	People & Cultures SW(HU)	3	F	
ANTH 2120	Sacred Traditions(HU)	3	Sp	
HIST 1300	Colonial Latin America(SS)	3	F	
HIST 1310	Modern Latin America(SS)	3	Sp	
HIST 1450	Early Middle East(SS)	3	F	
HIST 1460	Modern Middle East(SS)	3	Sp	
HIST 1500	World History to 1500(SS)	3	A	
HIST 1510	World Hist Since 1500(SS)	3	A	
HIST 2120	Sacred Traditions(HU)	3	Sp	
HIST 2200	Americanization (SS,DV)	3	A	
HIST 2600	Native Amer Voices(SS,DV)	3	Sp	
HIST 2800	Utah Diverse Heritg (SS,DV)	3	F, Sp	
BIOL 2030	Genetics	4	F, SP	BIOL 1610 w/C grade or better AND CHEM 1210 w/C grade or better. Coreq: BIOL 2035
EDU 2150	Intro to Multicultural Ed	3	F, Sp	
ENGL 2810	Native Amer Lit/Exp(HU,DV)	3	Sp	ENGL 1010 w/C grade or better
GEOG 1400	Human Geography (ID)	3	F, Sp	

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
ENGL 1010	3	ENGL 2010	3
MATH 1030	3	DISTRIBUTION (2)	6
OR		HIST 1510	3
MATH 1040	3	**OR**	
OR		HIST 1300	3
MATH 1050	4	**OR**	
AI	3	HIST 1310	3
LANG 1010	5	**OR**	
HLAC	1	HIST 1450	3
		LANG 1020	5
Total	**15-16**	**Total**	**17**

FALL SEMESTER		SPRING SEMESTER	
HIST 1100	3	HIST 1110	3
HIST 2700	3	HIST 2710	3
DISTRIBUTION (2)	6	DISTRIBUTION (2)	6
ELEC	3	STUDENT CHOICE	3
Total	**15**	**Total**	**15**

Advising Notes:
It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken.

To register for HIST 1700 you must take and pass RDG 0990 with a C or better or have appropriate Accuplacer, ACT or SAT reading score.

Class Availability: The semesters in which courses are taught are listed above. Students should check the semester class schedule for day/evening availability and modifications caused by varying enrollment

DEPARTMENTAL OFFERINGS

COURSE		CR	SEM	PREREQUISITE
HIST 1100	West Civ to 1300 (SS)	3	F, Sp	
HIST 1110	Civ Since 1300 (SS)	3	F, Sp	
HIST 1300	Colonial Latin Am(SS)	3	F	
HIST 1310	Mod Latin America(SS)	3	Sp	
HIST 1450	Middle Eastern Civ (SS)	3	F	
HIST 1460	Modern Middle East (SS)	3	Sp	
HIST 1500	World Hist to 1500 (SS)	3	A	
HIST 1510	World Hist Since 1500(SS)	3	A	
HIST 1700	American Civilization (AI)	3	A	RDG 0990 w/C or better or appropriate Accuplacer score
HIST 1900	Special Studies	1-2	A	Instructor approval
HIST 2200	Americanization (SS, DV)	3	A	
HIST 2600	Native Amer Voices(SS,DV)	3	F, Sp	
HIST 2700	US Hist to 1877 (SS)	3	A	
HIST 2710	US Hist Since 1877 (SS	3	A	
HIST 2800	Utah Div Hertg(SS,DV)	3	F,Sp	
HIST 2900	Spec Topics in Amer Hist	3	F, Sp	
ANTH 1010	Culture Human Exper (ID)	3	A	
ANTH 1020	Human Origins (BS)	3	A	
ANTH 1030	Intro to Archaeology (ID)	3	A	
ANTH 1500	Basic Field Techniques	3	Su	
ANTH 1900	Special Studies-Anthro	1-3	A	
ANTH 2011	People & Cultures SW(HU)	3	F	
ANTH 2120	Sacred Traditions (HU)	3	F, Sp	
ANTH 2500	Field School	1-4	Su	
ANTH 2900	Special Topics	1-3	Su	

HUMANITIES – ASSOCIATE OF ARTS (AA) 61 credits minimum

Humanities, Language and Culture Department
Taylorsville Redwood Campus, CT 286
General Information, (801) 957-4073
Program Information, (801) 957-4338
http://www.slcc.edu/humanities
Academic Advisor, TB 315, (801) 957-3866

Department Chair: Paul Allen

Program Faculty:
Professors – Richard Jensen
Associate Professors – Paul Allen, Jennifer Bauman, Jane Drexler, Alexander Izrailevsky
Assistant Professors – David Carney, Suzanne Jacobs

Program Description: The Humanities Program provides students a broad variety of courses in Humanities, Anthropology, Philosophy and Cultural Studies including Art History, Religious Studies and Interdisciplinary Studies. These courses range from general surveys to specialized topics. The essentially interdisciplinary character of the program combined with the diversity of the methodological approaches and pedagogical devices used by the faculty create an effective educational model to introduce students to both the classical foundations of world cultures and to the recent developments arising out of them. The program goes far beyond an emphasis on coverage and content; each course cultivates an attentiveness to written words and auditory and visual images, critical thinking, and interdisciplinary understanding. Additionally, all regular offerings carry General Education designations.

As structured, the program is designed to provide students with a vehicle to broaden their perspectives and deepen their understandings of the world around them as well as provide a variety of avenues to further education. In addition to a core class and a 2000-level language, students in the program may choose from among five emphasis tracks depending on their areas of interest or desire for more specialization. These are: General Humanities, Philosophy, Religious Studies, Art History, and Culture. Students will take a minimum of 3 courses in a track.

NOTE: Students must receive a minimum of "C" grade or better in all program required courses.

Career Opportunities: A Humanities education develops in students the fundamental skills upon which all professions rest: analytical thinking, critical reasoning, logic, clarity of expression, and lucid writing. Humanities graduates enjoy careers in such diverse fields as advertising, banking, foreign service, journalism, law, public administration, publishing, and teaching.

Transfer/Articulation Information: Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Estimated Cost for Students: Estimated cost of books and supplies per semester $100 to $150

Estimated Time to Completion: If students follow the suggested sample schedule, completion time is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
Students will: • Demonstrate the fundamental knowledge to be able to transfer to a variety of four-year degrees. • Understand key concepts, events, personalities, and varieties of media relating to the history, expression, and importance of key questions about the human condition and the values upon which those questions are based.	1 – Substantive Knowledge 2 – Communicate Effectively 4 – Think Critically 5 – Civic Engagement and/or Working Professionally

Students will articulate and convey intended meaning effectively using verbal and non-verbal methods of communication that demonstrate an understanding of the methodologies of the humanities and key concepts/issues regarding the human condition.	2 – Communicate Effectively
Students will think independently, analytically, critically, and creatively about the products of culture and the information they contain. Specifically they will be able to: • identify, analyze and evaluate arguments as they occur in their own and others' work • read, view, and listen to a variety of humanities texts – poems, play, stories, speeches, paintings, symphonies, etc. – and demonstrate improved facility in comprehension, interpretation, and argument • learn to situate the events and patterns, customs and beliefs, thoughts and symbols of people throughout time in their appropriate cultural contexts • make connections across disciplines	4 – Think Critically
Students will develop broader perspectives and a deeper understanding of their community and the world through an understanding and appreciation of human diversity.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better
OR				
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) CHOOSE ONE COURSE (3-4 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
MATH 1030	Quantitative Reasoning	3	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score
MATH 1040	Intro to Statistics	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score
MATH 1050	College Algebra	4	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
For this program, students may select an additional DV course.	3	A	

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3

Social Science (SS)	3
Physical Science (PS)	3

NOTE: The department recommends, but does not require, students take one of the following for the Interdisciplinary (ID) course:

COURSE		CR	SEM	PREREQUISITE
ANTH 1010	Culture & Human Exp	3	A	
GEOG 1300	Regional Geography	3	A	
SOC 1020	Social Problems	3	A	

LANGUAGE (LN) 5 CREDITS

COURSE		CR	SEM	PREREQUISITE
LANG 1020	(LN)	5		LANG 1010

NOTE: LANG prefix does not exist—that prefix would be replaced by the prefix for the individual language chosen: ARB, CHI, FRN, GER, ITL,JPN, NAV, POR, RUS, SAM, SPN, TNG

REQUIRED COURSES: (10 CREDITS)

COURSE		CR	SEM	PREREQUISITE
HUMA 1100	Intro Humanities	3	A	

LANGUAGE

COURSE		CR	SEM	PREREQUISITE
LANG 2010		4	F, Sp	LANG 1020
OR				
LANG 2020		4	F, Sp	LANG 2010

ADDITIONAL DIVERSITY ELECTIVE (SELECT ONE ADDITIONAL COURSE FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
ART 1375	Photo Diversity(FA,DV)	3	A	ART 1050 or 1310 w/C grade or better
ENGL 1050	Rdg Contmp Cultr(HU,DV)	3	A	
ENGL 1100	Diversity/Pop US Lit(HU,DV)	3	A	
ENGL 2760	Gender & Cultr Stdy(HU,DV)	3	F, Sp	
ENGL 2810	Native Am Lit/Exp(HU,DV)	3	Sp	ENGL 1010 w/C or better
ENGL 2830	Div Women Write(HU,DV)	3	A	
ENGL 2850	GLBT Studies (HU,DV)	3	A	
ETHS 2410	African Amer(SS,DV)	3	Sp	
ETHS 2420	Asian American(SS,DV)	3	F	
ETHS 2430	Mexican American(SS)	3	F	
ETHS 2440	Native Amer Cltr(SS,DV)	3	F	
FLM 1070	Film and Culture(FA,DV)	3	A	
HIST 2200	Americanization(SS,DV)	3	A	
SOC 2370	Gender in Amer(SS,DV)	3	A	PSY 1010 or SOC 1010
SOC 2630	Race & Ethnicity(SS,DV)	3	A	SOC 1010

EMPHASIS TRACKS: (9 CREDITS)

Select 9 credits from any one of the elective tracks below. See the Department Chair or an advisor for options.

GENERAL HUMANITIES TRACK (9 CREDITS)

Select any three courses from all courses listed under the Philosophy, Religious Studies, Art History or Cultural Studies tracks below.

PHILOSOPHY TRACK (SELECT 9 CREDITS)

COURSE		CR	SEM	PREREQUISITE
PHIL 1000	Intro Philosophy(HU)	3	F, Sp	
PHIL 1120	Ethics & Moral Prob(ID)	3	F, Sp	
PHIL 1200	Div& Phil/Work(HU,DV)	3	F, Sp	
PHIL 1250	Reason/Ratl Decision(IN)	3	F, Sp	
PHIL 2350	Prin & Phil of Relig(HU)	3	F, Sp	

RELIGIOUS STUDIES TRACK (SELECT 9 CREDITS)

COURSE		CR	SEM	PREREQUISITE
HUMA 2120	Sacred Tex/Myth(HU)	3	F, Sp	
HUMA 2300	World Religions (HU)	3	A	
HUMA 2400	Religious Divrsty(HU,DV)	3	F, Sp	
HUMA 2310	Great Books I	3	F	
PHIL 2350	Prin & Phil of Relig(HU)	3	F, Sp	

ART HISTORY TRACK (SELECT 9 CRDITS)

COURSE		CR	SEM	PREREQUISITE
ARTH 2520	LatAmer Art to 1750 (HU)	3	Sp	
ARTH 2640	Buddhist Art	3	F, Sp	
ARTH 2700	Asian Art: Japan	3	Sp	
ARTH 2710	Art History:Prehis/Ren(HU)	3	F, Sp	
ARTH 2720	Art History Ren/Cont(HU)	3	F, Sp	

CULTURAL STUDIES TRACK (SELECT 9 CREDITS)

COURSE		CR	SEM	PREREQUISITE
HUMA 2220	Pacific Am Studies(HU,DV)	3	F, Sp	
HUMA 2320	Great Books II (HU)	3	Sp	
HUMA 2600	Decade '60s(HU)	3	F, Sp	
INTL 2040	Immig Exp Lit/Film(HU,DV)	3	F, Sp	
INTL 2060	Intl Lit/S Cult Div(HU,DV)	3	A	
INTL 2230	Global French Cultr(HU)	3	A	
INTL 2240	Latin Amer Studies(HU)	3	A	

ELECTIVE COURSES: (3 CREDITS)

Complete 3 credits from any college course numbered 1000 or above.

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ENGL 1010	3	ENGL 2010	3
HUMA 1100	3	DISTRIBUTION (4)	12
LANG	5		
STUDENT CHOICE	3		
LW	1		
Total	**15**	**Total**	**15**
FALL SEMESTER		**SPRING SEMESTER**	
AI	3	HUMA ELEC (2)	6
DISTRIBUTION	3	DIVERSITY	3
HUMA ELEC	3	DISTRIBUTION	3
LANG 2010	4	ELEC	3
MATH 1030	3		
Total	**16**	**Total**	**15**

Advising Notes: It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. The semesters in which courses are taught are listed below. Students should check the semester class schedule for day/evening availability and modifications caused by varying enrollment.

DEPARTMENTAL OFFERINGS

ART HISTORY

COURSE		CR	SEM	PREREQUISITE
ARTH 2520	Latin Amer Art to 1750	3	Sp	
ARTH 2640	Buddhist Art	3	F, Sp	
ARTH 2700	Asian Art: Japan	3	Sp	
ARTH 2710	Art History: Prehis/Ren	3	F, Sp	

ARTH 2720	Art History: Ren/Cont	3	F, Sp	

HUMANITIES

COURSE		CR	SEM	PREREQUISITE
HUMA 1100	Intro Humanities(HU)	3	A	
HUMA 1900	Special Studies	1-2	F, Sp	
HUMA 2000	CO-OP	2-4	F, Sp	Instructor approval
HUMA 2120	Sacred Text/Myth(HU)	3	F, Sp	
HUMA 2130	Philosophy Litert	3	F, Sp	
HUMA 2220	Pacific Am. Studies	3	F, Sp	
HUMA 2300	World Religions(HU)	3	A	
HUMA 2310	Great Books I	3	F	
HUMA 2320	Great Books II	3	Sp	
HUMA 2350	His/Phil of Religion	3	F, Sp	
HUMA 2400	Religious Diverse(HU, DV)	3	A	
HUMA 2600	Decade ‘60s(HU)	3	F, Sp	

PHILOSOPHY

COURSE		CR	SEM	PREREQUISITE
PHIL 1000	Intro Philosophy(HU)	3	F, Sp	
PHIL 1120	Ethics & Moral Prob(ID)	3	F, Sp	
PHIL 1200	Div& Phil/Work(HU,DV)	3	F, Sp	
PHIL 1250	Reason/Ratl Decision(IN)	3	F, Sp	
PHIL 2350	Prin & Phil of Relig(HU)	3	F, Sp	

INTERIOR DESIGN – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 69 credits minimum

Visual Art & Design Department
Library Square Campus
General Information, (801) 957-4073
Program Information, (801) 957-2000
http://www.slcc.edu/fashion
Academic Advisor, SCC W138, (801) 957-3361

Program Faculty:
Program Director – Mojdeh Sakaki

Program Description: Students learn to create effective and visually pleasing residential, commercial, industrial and public space designs and layouts. Graduates of the AAS degree will have developed a portfolio to showcase their designs and will be prepared to enter a career as an interior designer, planner, project manager or design consultant.

Upon successful completion of this program, you will be able to:

- Develop an interior design project.
- Integrate trends into interior design.
- Produce interior design sketches.
- Draw objects and spaces to scale.
- Produce drawings using a computer-assisted drafting system.
- Understand color theory and use color to influence mood.
- Suggest finishes and materials for a project.
- Specify the accessories, furniture and equipment for a project.
- Use interior architectural and construction elements.
- Create an interior design concept for a residence.
- Create lighting concepts.
- Produce working drawings and specifications.
- Plan a layout for an industrial commercial or public building.
- Create an interior design concept for a commercial, industrial or public building.
- Promote your interior design services effectively.

Career Opportunities: Program graduates will be prepared to work in residential and commercial design and architecture firms. They may choose to specialize in kitchen and bath, residential, hospitality, health and medical, corporate space or retail design. Another option is to work as a product representative for a wide range of companies that manufacture and market products.

Transfer/Articulation Information: This AAS degree is currently not transferable to four year institution; however, the General Education components are transferable.

Estimated Cost for Students: Approximately $6000 in tuition and $500 in books and supplies.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is five semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
Students will develop the knowledge of theories of design (space, line, mass, shape, texture, scale, proportion, balance, rhythm, emphasis, harmony and variety) and their applications.	1,2,3,4

Students will demonstrate understanding of visually and volumetrically approaching design problems creatively and logically. Students will be able to measure and estimate the quantity and cost of materials needed for projects, i.e. paint, drapery, floor coverings, wallpaper, etc. They will be able to plan space, read blue prints, use color effectively, and specify the use of architectural materials and elements.	1,2,3,4,5
Students will produce quality presentations using drafting, lettering, and computer-aided design skills.	1,2,3,4,5
Students will use proper industry terminology which will allow them to communicate effectively with other similarly engaged professionals. They will listen effectively and express their ideas clearly.	1,2,3,4,5
Successful students will demonstrate a substantive knowledge of business practices that will prepare them for employment in the interior design field.	1,2,3,4,5
Students will exhibit professionalism through high quality presentations; effective sales techniques, efficient organization, and work cooperatively with clients and co-workers. They will be able to choose and direct the installation of appropriate materials for interior projects.	1,2,3,4,5
Students will create high quality portfolios that can be used for job applications. The portfolio will reflect class work and projects completed during internship where students have the opportunity to assist experienced	1,2,3,4,5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) CHOOSE ONE COURSE (3-4 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ART 1210	Math Visual Arts (QS)	3	A	
CMGT 1100	Construction Math (QS)	3	Sp	
FIN 1380	Financial Math	3	A	MATH 0990 or appropriate Accuplacer score
MATH 1010	Intermediate Algebra (QS)	4	A	RDG 0900; within the last year MATH 0990 w/C grade or better or appropriate Accuplacer score

COMMUNICATION (CM) CHOOSE ONE COURSE (3 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem Effective Comm (CM)	3	A	
COMM 1020	Prin Public Speaking (CM)	3	A	
CTEL 1020	Career Speech Skills (CM)	3	A	

HUMAN RELATIONS (HR) CHOOSE ONE COURSE (2-3 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ART 1150	Art Foundation Sem(HR)	3	A	
COMM 2110	Interperl Comm (HR,ID)	3	A	
CTEL 1010	Leader/Team Build (HR)	3	A	
LE 1220	Human Relations	3	A	
MKTG 1010	Customer Service (HR)	3	A	
MKTG 1960	Prof in Business	3	A	

DISTRIBUTION AREAS: (3 CREDITS)

Choose an additional three credits from one of the following distribution areas:

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (55 CREDITS)

COURSE		CR	SEM	PREREQUISITE
INTD 1010	Intro Interior Design	3	A	
INTD 1100	Drafting for Interior Des	3	A	
INTD 1200	Color for Interiors	3	A	
INTD 1300	Perspective Drawing	3	A	INTD 1100
INTD 1350	ID Rendering Techniques	1	A	Coreq: INTD 1300
INTD 1450	ID AutoCAD I	4	A	INTD 1100
INTD 1460	ID AutoCAD II	4	A	INTD 1450
INTD 1550	Presentation Tech I	3	F, Sp	INTD 1010
INTD 1600	History ID & Furniture	3	F, Sp	
INTD 1700	Contemp Furnishings	3	F, Sp	
INTD 1950	Material&Component Des	3	F, Sp	INTD 1010
INTD 2000	Internship	3	A	INTD 1950 and instructor approval
INTD 2200	Build Const Codes I-Res	3	F, Sp	INTD 1450 and INTD 1950
INTD 2300	Lighting Design & Appl	3	F, Sp	INTD 1450
INTD 2400	Kitchen & Bath Design	3	F, Sp	INTD 1450
INTD 2500	Build Const Codes II –Com	3	F, Sp	INTD 1460
INTD 2600	Professional Practice	4	F, Sp	INTD 2500
INTD 2700	Presentation Tech II	3	F, Sp	INTD 2600

INTERIOR DESIGN ELECTIVES: (NOT REQUIRED, BUT RECOMMENDED)

COURSE		CR	SEM	PREREQUISITE
INTD 2900	Independent Study in ID	3	F, Sp	Instructor approval
INTD 2150	Green Interiors	3	Sp	INTD 1950, 220, 2500
INTD 2800	Historic Preservation	3	F	Instructor approval
ARCH 2310	Model/Rend/Animate I	3		
CMGT 2120	Furniture Design & Const	3		
CMGT 2240	Construction Estimating	3		
CMGT 2470	Build Codes & Inspection	3		
ANTH 1010	Culture & Human Exper	3		

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
INTD 1010	3	INTD 1300	3
INTD 1100	3	INTD 1350	1
INTD 1200	3	INTD 1450	4
INTD 1600	3	INTD 1550	3
INTD 1700	3	INTD 1950	3
ENGL 1010	3	CM	3
Total	**18**	**Total**	**17**

FALL SEMESTER		SPRING SEMESTER	
INTD 1460	4	INTD 2000	3
INTD 2200	3	INTD 2600	4
INTD 2300	3	INTD 2700	3
INTD 2400	3	CM	3
INTD 2500	3	DISTRIBUTION	3
HR	2		
Total	**18**	**Total**	**16**

Advising Notes: Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program. It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before class may be taken.

INTERIOR DESIGN – CERTIFICATE OF PROFICIENCY[CTE] 29 credits minimum

Visual Art & Design Department
Library Square Campus
General Information, (801) 957-4073
Program Information, (801) 957-2000
http://www.slcc.edu/fashion
Academic Advisor, SCC W138, (801) 957-3361

Program Faculty:
Program Director – Mojdeh Sakaki

Program Description: The Interior Design program is structured to prepare students for entry into the varied professions within the field of interior design. Students will earn how to identify, research, and creatively solve problems related to the quality of interior environments. Interior Designers provide specialized services for planning both commercial and residential spaces. In addition, student will learn drafting techniques and how to use computer-aided design tools which will help them present their work to clients. Student will also gain an understanding of the legal and ethical issues that guide and direct the profession.

Career Opportunities: Students who successfully complete the program will be able to provide experienced planning services that include: design analysis, space planning and aesthetics, specialized knowledge of interior construction, building codes, equipment, materials and furnishing.

NOTE: This Certificate of Proficiency is **not** eligible for financial aid. However, courses within the certificate may be eligible if taken as part of a financial aid eligible program. Please check with the Financial Aid Office to determine if your classes are eligible.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is five semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
Students will develop the knowledge of theories of design (space, line, mass, shape, texture, scale, proportion, balance, rhythm, emphasis, harmony and variety) and their applications.	1,2,3,4
Students will demonstrate understanding of visually and volumetrically approaching design problems creatively and logically. Students will be able to measure and estimate the quantity and cost of materials needed for projects, i.e. paint, drapery, floor coverings, wallpaper, etc. They will be able to plan space, read blue prints, use color effectively, and specify the use of architectural materials and elements.	1,2,3,4,5
Students will produce quality presentations using drafting, lettering, and computer-aided design skills.	1,2,3,4,5
Students will use proper industry terminology which will allow them to communicate effectively with other similarly engaged professionals. They will listen effectively and express their ideas clearly.	1,2,3,4,5
Successful students will demonstrate a substantive knowledge of business practices that will prepare them for employment in the interior design field.	1,2,3,4,5
Students will exhibit professionalism through high quality presentations; effective sales techniques, efficient organization, and work cooperatively with clients and co-workers. They will be able to choose and direct the installation of appropriate materials for interior projects.	1,2,3,4,5
Students will create high quality portfolios that can be used for job applications.	1,2,3,4,5

The portfolio will reflect class work and projects completed during internship where students have the opportunity to assist experienced	

REQUIRED COURSES: (29 CREDITS)

COURSE		CR	SEM	PREREQUISITE
INTD 1010	Intro Interior Design	3	A	
INTD 1100	Drafting for Interior Design	3	A	
INTD 1200	Color for Interiors	3	A	
INTD 1300	Perspective Drawing	3	A	INTD 1100
INTD 1450	Interior Design AutoCAD I	4	F, Sp	INTD 1100
INTD 1600	History of Interior Design and Furniture	3	F, Sp	
INTD 1700	Contemporary Furnishings	3	F, Sp	
INTD 1950	Material & Components of Design	3	F, Sp	INTD 1010
INTD 2600	Professional Practice	4	F, Sp	INTD 1450 and INTD 1950

INTERIOR DESIGN ELECTIVES: (NOT REQUIRED, BUT RECOMMENDED)

COURSE		CR	SEM	PREREQUISITE
INTD 1460	Interior Design AutoCAD II	4	F, Sp	INTD 1450
INTD 1550	Presentation Technique I	3	F, Sp	INTD 1010
INTD 2200	Building Construction & Codes I	3	F, Sp	INTD 1450 and INTD 1950
INTD 1750	Design Psychology	3	F, Sp	INTD 1010
INTD 2150	Green Interiors	3	F, Sp	INTD 1950, INTD 2200, INTD 2500

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
INTD 1010	3	INTD 1450	4
INTD 1100	3	INTD 1300	3
INTD 1200	3	INTD 1700	3
INTD 1600	3	INTD 1950	3
Total	**12**	**Total**	**13**

FALL SEMESTER	
INTD 2600	4
Total	**4**

Advising Notes: Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program. It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before class may be taken.

LANGUAGE AND CULTURE

Humanities, Language and Culture Department
Taylorsville Redwood Campus, CT 286
General Information, (801) 957-4073
Program Information, (801) 957-4338
http://www.slcc.edu/languages
Academic Advisor, TB 315, (801) 957-3866

Department Chair: Paul Allen

Program Faculty:
Associate Professors – Jeanine Alesch, Laura Bradford, Jonathan Stowers
Assistant Professors – Christine Gonzales, Takashi Ebira

Program Description: The Language and Culture Program teaches beginning skills in several languages. Classes are designed to help students learn or improve listening, speaking, reading and writing skills, as well as embracing cultural differences and heritage.

ASSOCIATE OF ARTS (AA) LANGUAGE REQUIREMENT
General Education for all Associate of Arts (AA) students includes a Language requirement. The requirement can be fulfilled by any 1020 course (Beginning Language II). These courses are listed as (LN). This requirement may also be fulfilled by taking the second-year courses 2010 and/or 2020.

For students already proficient in a language, it is possible to enroll directly in more advanced courses with instructor approval. Upon completion of that course with a grade of B or higher, students can petition for credit for the first-year courses bypassed. Other options may be available, contact the Humanities, Language and Culture Department.

Native speakers/naturalized citizens are not allowed to take first-year courses in their native language.

At the discretion of the Department Chair, 2000-level ENGL courses may be used to fulfill the Associate of Arts (AA) Language requirement for International native speakers if students have taken ESL courses or if students can demonstrate college-level experience in their native language.

Career Opportunities: Students should complete the program with intermediate-level language skills. A career in languages will require further study at the four-year degree level and beyond. Mastery of a language takes at least five years of study. The degree prepares students for transfer to 4-year programs in some languages. Following attainment of a 4-year degree there are opportunities for teaching in K-12, international travel, international business, translation services, etc.

Transfer/Articulation Information: Students should also be advised that a Bachelor of Arts (BA) will require four semesters of a language or more and many four-year institutions may require those courses to be taken consecutively. SLCC also offers a wider selection of languages than many transfer institutions; it may not be possible to continue study of a specific language after transfer. Students should check with the institution to which they plan to transfer.

Total Program/Course Fees: $40-60

Estimated Cost for Students: $350-$400

Estimated Time to Completion: If students follow suggested sample schedule, completion time is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1. Students will: • progress through the LANG 1010, 1020, 2010 and 2020 course of our program and demonstrate functional language ability in the four language skills: listening, reading, speaking, and writing;	1 – Substantive Knowledge

• reinforce and further their knowledge of other disciplines through the foreign language. • use the language both within and beyond the school setting.	
2. Students will: • gain knowledge and understanding of the political, historical, social and economic underpinnings of the target-language culture(s), including geography, fine and popular arts, ethnicities, customs, philosophies and values.; • use language to reflect authentic cultural practices and perspectives; • gain deeper awareness of problems and benefits inherent in the differences between US culture and the target language culture(s).	5 – Civic Engagement and/or Working Professionally

LANGUAGE OFFERINGS

AMERICAN SIGN LANGUAGE

COURSE	
(SEE ASL PROGRAM)	

ARABIC

COURSE		CR	SEM	PREREQUISITE
ARB 1010	Beginning Arabic I	5	A	
ARB 1020	Beg Arabic II (LN)	5	A	ARB 1010
ARB 1300	Beg. Convers/Arabic	1	A	ARB 1010
ARB 1900	Special Studies	1-2	TBA	Instructor approval
ARB 2010	Interm Arabic I	4	F	ARB 1020
ARB 2020	Interm Arabic II	4	Sp	ARB 2010
ARB 2300	Interm Conversation	1	A	ARB 1020
ARB 2900	Special Topics	1-3	A	Instructor approval

CHINESE

COURSE		CR	SEM	PREREQUISITE
CHI 1010	Beg Chinese I	5	A	
CHI 1020	Beg Chinese II (LN)	5	A	CHI 1010
CHI 1300	Beg Convers	1	A	CHI 1010
CHI 1900	Special Studies	1-2	TBA	Instructor approval
CHI 2010	Interm Chinese I	4	F	CHI 1020
CHI 2020	Interm Chinese II	4	Sp	CHI 2010
CHI 2300	Conversation	1	F, Sp	CHI 1020
CHI 2710	Intr Chinese Film	3	TBA	CHI 1020
CHI 2900	Special Topics	1-3	A	Instructor approval

FRENCH

COURSE		CR	SEM	PREREQUISITE
FRN 1010	Beg French I	5	A	
FRN 1020	Beg French II (LN)	5	A	FRN 1010
FRN 1300	Beg Convers	1	A	FRN 1010
FRN 1900	Special Studies	1-2	TBA	Instructor approval
FRN 2010	Interm French I	4	F	FRN 1020
FRN 2020	Interm French II	4	Sp	FRN 2010
FRN 2300	Conversation	1	F, Sp	FRN 1020
FRN 2700	Intro to French Lit	3	TBA	FRN 2020 or FRN 2010
FRN 2710	Intro French Film	3	TBA	FRN 1020
FRN 2900	Special Topics	1-3	A	Instructor approval

GERMAN

COURSE		CR	SEM	PREREQUISITE
GER 1010	Beg German I	5	A	
GER 1020	Beg German II (LN)	5	A	GER 1010
GER 1300	Beg Convers	1	F, Sp	GER 1010
GER 1900	Special Studies	1-2	TBA	Instructor approval
GER 2010	Inter German I	4	F	GER 1020
GER 2020	Inter German II	4	Sp	GER 2010
GER 2300	Conversation	1	F, Sp	GER 1020
GER 2700	Intro to German Lit	3	TBA	GER 2020 or GER 2010
GER 2710	Int German Film	3	TBA	GER 1020
GER 2900	Special Topics	1-3	A	Instructor approval

INTERNATIONAL CULTURE

COURSE		CR	SEM	PREREQUISITE
INTL 2040	Immig Exp Lit/Film (HU,DV)	3	F, Sp	
INTL 2060	Intl Lit and Culture (HU,DV)	3	A	
INTL 2230	Global French Std (HU)	3	A	
INTL 2240	Latin Amer Studies(HU)	3	A	
INTL 2980	Travel Study	3	Sp	Varies by semester and trip taken
INTL 2990	Study Abroad	3	Sp	Varies by semester and trip taken

ITALIAN

COURSE		CR	SEM	PREREQUISITE
ITL 1010	Beg Italian I	5	A	
ITL 1020	Beg Italian II (LN)	5	A	ITL 1010
ITL 1300	Beg Convers	1	Sp	ITL 1010
ITL 1900	Special Studies	1-2	TBA	Instructor approval
ITL 2010	Interm Italian I	4	F	ITL 1020
ITL 2020	Interm Italian II	4	Sp	ITL 2010
ITL 2300	Conversation	1	F, Sp	ITL 1020
ITL 2700	Intro to Literature	3	TBA	ITL 2020 or IITL 2010
ITL 2710	Intr Italian Film	3	TBA	ITL 1020
ITL 2900	Special Topics	1-3	A	Instructor approval

JAPANESE

COURSE		CR	SEM	PREREQUISITE
JPN 1010	Beg JapaneseI	5	A	none
JPN 1020	Beg Japanese II (LN)	5	A	JPN 1010
JPN 1300	Beg Convers	1	A	JPN 1010
JPN 1900	Special Studies	1-2	TBA	approval
JPN 2010	Interm Japanese I	4	F	JPN 1020
JPN 2020	Interm Japanese II	4	Sp	JPN 2010
JPN 2300	Conversation	1	F, Sp	JPN 1020
JPN 2710	Int Japanese Flm	3	TBA	JPN 1020
JPN 2900	Special Topics 1-3		A	Instructor approval

NAVAJO

COURSE		CR	SEM	PREREQUISITE
NAV 1010	Beg Navajo I	5	F	
NAV 2900	Special Topics	1-3	A	Instructor approval

PORTUGUESE

COURSE		CR	SEM	PREREQUISITE
POR 1010	Beg Portugse I	5	A	
POR 1020	Beg Portugse II (LN)	5	A	POR 1010
POR 1300	Beg Convers	1	A	POR 1010
POR 1900	Special Studies	1-2	TBA	Instructor approval
POR 2010	Interm Portugse I	4	F	POR 1020
POR 2020	Interm Portugse II	4	F	POR 2010

POR 2300	Conversation	1	F, Sp	POR 1020
POR 2700	Intro to Literatur	3	TBA	POR 2020 or POR 2010
POR 2710	Portuguese Film	3	TBA	POR 1020
POR 2900	Special Topics	1-3	A	Instructor approval

RUSSIAN

COURSE		CR	SEM	PREREQUISITE
RUS 1010	Beg Russian I	5	A	
RUS 1020	Beg Russian II (LN)	5	A	RUS 1010
RUS 1300	Beg Convers	1	A	RUS 1010
RUS 1900	Special Studies	1-2	TBA	Instructor approval
RUS 2900	Special Topics	1-3	A	Instructor approval

SAMOAN

COURSE		CR	SEM	PREREQUISITE
SAM 1010	Beginning Samoan I	5	A	
SAM 1020	Beg Samoan II (LN)	5	A	SAM 1010
SAM 1300	Beg. Convrs/Samoan	1	A	SAM 1010
SAM 1900	Special Studies	1-2	TBA	Instructor approval
SAM 2900	Special Topics	1-3	A	Instructor approval

SPANISH

COURSE		CR	SEM	PREREQUISITE
SPN 1010	Beg Spanish I	5	A	
SPN 1020	Beg Spanish II (LN)	5	A	SPN 1010
SPN 1300	Beg Convers	1	A	SPN 1010
SPN 1900	Special Studies	1-2	TBA	Instructor approval
SPN 2010	Interm Spanish I	4	F	SPN 1020
SPN 2020	Interm Spanish II	4	Sp	SPN 2010
SPN 2300	Conversation	1	F, Sp	SPN 1020
SPN 2700	Intro to Literatur	3	TBA	SPN 2020 or SPN 2010
SPN 2710	Int Hispanic Film	3	TBA	SPN 1020
SPN 2900	Special Topics	1-3	A	Instructor approval

TONGAN

COURSE		CR	SEM	PREREQUISITE
TNG 1010	Beginning Tongan I	5	A	
TNG 1020	Beg Tongan II (LN)	5	A	TNG 1010
TNG 1300	Beg. Conver/Tongan	1	A	TNG 1010
TNG 1900	Special Studies	1-2	TBA	Instructor approval
TNG 2900	Special Topics	1-3	A	Instructor approval

MARKETING MANAGEMENT – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 67 credits minimum

Management, Marketing and Culinary Arts Division
Taylorsville Redwood Campus, BB 234
General Information, (801) 957-4073
Program Information, (801) 957-4483
http://www.slcc.edu/marketingmanagement
Academic Advisor, BB 132A, (801) 957-4323

Program Faculty:
Professors – Rolayne Day, Curtis W. Youngman
Associate Professors – Barbie Willett
Assistant Professors – Christopher Black

Program Description: Marketing is a major function of business with a widely diverse field of job opportunities, including retailing, direct sales, advertising, physical distribution, logistics and purchasing. Information management, customer service and public relations are important aspects of the field. Marketing continues to increase in importance in the world of commerce and industry and many managers are selected from successful marketing personnel. Students cultivate fresh viewpoints and leadership skills through an open exchange of ideas and experiences while participating in team activities and problem-solving situations.

General Education and elective courses provide training in effective oral and written communication and human relations skills. BUS 1050 and MKTG 1050 are taught using group and team activities in the learning process to develop the students' interactive skills to build human values and ethics.

Students who are interested in pursuing courses leading to a Bachelor's degree in Marketing should follow the courses listed in the Business Associate of Science or Business Associate of Arts degrees listed elsewhere in this catalog.

Career Opportunities: Virtually every type of business or industry utilizes marketing professionals in some way. Job options for marketing degree holders include careers in advertising, brand management, market research, and public relations. Popular job titles include: Account Executive Marketing Manager, Market Research Analyst, Sales Manager, Advertising and Promotions Manager, Customer Service Representative, Public Relations Specialist

Transfer/Articulation Information: The SLCC Marketing Management Associate of Applied Science degree is terminal 2-year degree program. However, several courses are transferrable to other institutions and apply to Marketing Bachelor's degree programs. An articulation agreement exists between Salt Lake Community College AAS in Marketing Management and Weber State University BS in Technical Sales. Students will be required to complete the remaining General Education Requirements and upper-division major course work to complete the BS degree.

Total Program/Course Fees: Some course may contain lab fees

Estimated Cost for Students: $150-$200 for textbooks per semester

Estimated Time to Completion: If students follow the sample schedule, time to completion is four semesters.

Specialized Accreditation: The Marketing Management associate degree program is accredited by the Association of Collegiate Business Schools and Programs (ACBSP). This accreditation represents the achievement of meeting the high national standards established for associate degree-granting business programs.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
Students will acquire substantive knowledge when they: a. Synthesize in writing and orally an understanding of marketing theory and practical application of marketing techniques b. Create and deliver effective visual and oral marketing presentations c. Perform Data analyses: • Analyze demographic and psychographic data • Conduct and analyze primary and secondary research • Develop survey tools and analyze resulting quantitative data	1 – Substantive Knowledge

• Set up focus groups and analyze resulting quantitative data	
The students will communicate effectively when they: a. Work in teams b. While presenting analyses on case studies and business scenarios	2 – Communicate Effectively
The students will develop quantitative literacy when they: a. Choose and perform appropriate analyses for quantitative and qualitative data	3 – Develop Quantitative Literacy
The students with think critically when they: a. Extract relevant data from complex information, process it appropriately, and draw reasonable conclusions.	4 – Think Critically
The students will engage in Civic engagement and/or work professionally when they: a. Understand the ethical considerations that are inherently involved in business b. Engaged in principled dialogue on civic issues involving local businesses	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
FIN 1380	Financial Math	3	A	MATH 0990 or appropriate Accuplacer score

OR

Any approved QS course

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
BUS 2200	Business Communication	3	A	ENGL 1010 w/C grade or better

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE		CR	SEM	PREREQUISITE
MKTG 1010	Customer Service	2	A	

DISTRIBUTION AREAS: (6 CREDITS)

Choose an additional six credits from at least two of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

NOTE: BUS 1050 and MKTG 1050 fulfill major course requirements and cannot be taken as General Education courses.

REQUIRED COURSES: (47 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ACCT 2010	Survey Fin Acct	3	A	
BUS 1050	Foundations of Bus	3	A	
ECON 2010	Microeconomics	3	A	
MGT 1020	Distribution Systems	3	A	
MGT 2050	Legal Env of Bus	3	A	BUS 1050
MKTG 1030	Intro Marketing	3	A	
MKTG 1050	Consumerism (ID)	3	A	
MKTG 1070	Promotion	3	F	none
MKTG 1300	Bus Presentations	2	F	
MKTG 1480	Sales	3	Sp	

MKTG 1960	Professionalism in Bus	3	A	
MKTG 2100	Maketing Info Mgmt	3	Sp	MKTG 1030
MKTG 2400	Intnatl Marketing	3	F	MKTG 1030 and ECON 2010
MKTG 2350	Consumer & Bus Mktg	3	Sp	MKTG 1030
MKTG 2500	Principles Marketing	3	Sp	MKTG 1070, 2350, 2100
MKTG 2810	E-Cmce Design/Impl	3	Sp	MKTG 1030, 1480 (either can be taken concurrently)

ELECTIVE COURSES: (SELECT 3 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
MGT 2070	Human Res Mgmt	3	F, Sp	BUS 1050
MGT 2600	Intl Trade/Bus	3	Sp	BUS 1050 or ECON 2020
*MKTG 1900	Special Projects (DEX)	2	A	
*MKTG 1910	Event Marketing	3	F	
*MKTG 2000	Marketing CO-OP Educ	1-3	A	Sophomore status and instructor approval
*MKTG 2990	Current Topics	1-3	A	Variable, contact department

*Can be taken as an elective if not taken as a required course.

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ENGL 1010	3	BUS 2200	3
MGT 1020	3	FIN 1380	3
MKTG 1030	3	MKTG 1480	3
MKTG 1070	3	MKTG 2100	3
MKTG 1300	2	MKTG 2350	3
BUS 1050	3	MKTG 1960	3
Total	**17**	**Total**	**18**
FALL SEMESTER		**SPRING SEMESTER**	
ACCT 2010	3	MKTG 1010	2
ECON 2010	3	MKTG 1050	3
MGT 2050	3	MKTG 2500	3
MKTG 2120	3	MKTG 2810	3
MKTG 2400	3	DISTRIBUTION (2)	6
MKTG ELEC	3		
Total	**18**	**Total**	**17**

Advising Notes: Marketing majors must complete each of the required marketing classes with a 2.4 (C+) GPA or higher. Students receiving lower than 2.4 in any marketing course cannot proceed without approval from the instructor.

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. Students who wish to take the CIS 1020 Computer Essentials challenge exam are advised to review the information at www.slcc.edu/CIS. An 80% or higher is required on each section of the test. Once the exam is passed, a P is posted to the transcript and credit is awarded.

Cooperative Education is the College's program for recognizing and rewarding new learning associated with study-related employment in a business, industrial or government work environment. Credit earned from MKTG 2000 is applied toward graduation requirements as a marketing elective credit. Contact the Cooperative Education Department at (801) 957-4014. The Department strongly recommends that students enhance their employment opportunities through Cooperative Education as soon as skills permit, to complement the certificate or degree.

MARKETING MANAGEMENT – CERTIFICATE OF COMPLETION[CTE] 37 credits minimum

Management, Marketing and Culinary Arts Division
Taylorsville Redwood Campus, BB 234
General Information, (801) 957-4073
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Associate Professors – Barbie Willett
Assistant Professors – Christopher Black

Program Description: Marketing is a major function of business with a widely diverse field of job opportunities, including retailing, direct sales, advertising, physical distribution, logistics and purchasing. Information management, customer service and public relations are important aspects of the field. Marketing continues to increase in importance in the world of commerce and industry and many managers are selected from successful marketing personnel. Students cultivate fresh viewpoints and leadership skills through an open exchange of ideas and experiences while participating in team activities and problem-solving situations.

This program is a one-year course of study surveying essentials of marketing management to include the study of business theory and principles which are important in both a national and global perspective.

Students who are interested in pursuing courses leading to a Bachelor's Degree in Marketing Management areas should follow the courses listed in Business Associate of Science or Business Associate of Arts degrees listed elsewhere in this catalog.

Career Opportunities: Marketing Manager, Market Research Analyst, Sales Manager, Advertising and Promotions Manager, Customer Service Representative

Total Program/Course Fees: Some courses may have lab fees

Estimated Cost for Students: $150-$200 for textbooks per semester

Estimated Time to Completion: If students follow the proposed sample schedule outline, time to completion is 2 semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
Synthesize in writing and orally an understanding of marketing theory and practical application of marketing techniques. Create and deliver effective visual and oral marketing presentations.	1 – Substantive Knowledge
Communicate effectively by working in teams and presenting analyses on case studies and business scenarios	2 – Communicate Effectively
Solve marketing research problems by choosing and applying appropriate mathematical techniques	3 – Develop Quantitative Literacy
Think critically by extracting relevant data from information resources, processing it appropriately, and drawing reasonable conclusions. By demonstrating and ability to provide solutions to marketing scenarios.	4 – Think Critically
Be civically engaged by participating in educational and/or service learning projects.	5 – Civic Engagement and/or Working Professionally

REQUIRED COURSES: (37 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ACCT 2010	Survey Fin Acct	3	A	
BUS 1050	Foundations of Bus	3	A	
BUS 2200	Bus Communications	3	A	ENG 1010 w/C grade or better
MKTG 1010	Customer Service	2	A	
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
FIN 1380	Financial Math	3	A	MATH 0990 or appropriate Accuplacer score
*MGT 1020	Distribution Systems	3	A	
*MKTG 1030	Intro Marketing	3	A	
*MKTG 1050	Consumerism (ID)	3	A	
*MKTG 1070	Promotion	3	F	none
*MKTG 1300	Bus Presentations	2	F	
*MKTG 1480	Sales	3	Sp	
*MKTG 2350	Consumer & Bus Mktg	3	Sp	MKTG 1030

*Must be competed with C+ or higher.

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
BUS 1050	3	ACCT 2010	3
MKTG 1010	2	BUS 2200	3
ENGL 1010	3	FIN 1380	3
MGT 1020	3	MKTG 1050	3
MKTG 1030	3	MKTG 1480	3
MKTG 1070	3	MKTG 2350	3
MKTG 1300	2		
Total	**19**	**Total**	**18**

Advising Notes: Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program. The classes designed to assist students in reaching the skill level necessary to enter the certificate and degree programs are computer applications, MATH 0990. Any class in the preparatory skills may be waived for students who can demonstrate equivalent skills.

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before class may be taken.

MATHEMATICS – ASSOCIATE OF SCIENCE (AS) 63 credits minimum

Mathematics Department
Taylorsville Redwood Campus, SI 241
General Information, (801) 957-4073
Program Information, (801) 957-4267
http://www.slcc.edu/math
Academic Advising, SI 209, (801) 957-4858

Program Faculty:
Professor - Kathy Eppler
Associate Professor - Joseph Gallegos, Shawna Haider
Assistant Professors - Kyle Costello, Alia Maw, Ron McKay, Robert Morelli, Suzanne Mozdy, Dale Nelson, Doug Richards, Brenda Santistevan, Zeph Smith, Cindy Soderstrom, Shane Tang, Ruth Trygstad, Molitika Vaivaka, Cyril Watt
Instructor - Cesar Melo, Todd Riggs

Program Description: An Associate of Science degree can be earned through the study of Mathematics. It requires a minimum of 63 credit hours of coursework, including 22 hours of mathematics courses and 8 hours of physics courses. All classes are transferable to other schools in the state system of higher education and most other universities and colleges. These courses will prepare a student for completion of a mathematics or mathematics education degree at a four year institution. Students in this program also complete General Education requirements.

Transfer/Articulation Information: Requirements at four-year colleges and universities are subject to change; ongoing planning is essential. Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Program Entry Requirements:
The following courses must be completed with a C grade of better:

COURSE		CR	SEM	PREREQUISITE
MATH 1060	Trigonometry	3	A	RDG 0990; within last year MATH 1220 w/C grade or better or instructor permission
OR				
MATH 1080	Precalculus	5	A	Appropriate Accuplacer score within the last year

It is the student's responsibility to examine each course description for details of prerequisite classes. ***Those prerequisites must be satisfied within the previous one year before the designated class may be taken.***

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1.a. Acquire substantive knowledge of mathematical concepts in calculus, linear algebra, differential equations and calculus based physics. b. Demonstrate proficiency in the use of a Computer Algebra System for problem-solving and application of mathematical principles. c. Preparation for further study in mathematics or a related discipline at a four-year college or university.	1 – Substantive Knowledge
2.a. Organize, present and explain, both orally and in writing, solutions to mathematics problems. b. Communicate well in a group.	2 – Communicate Effectively
3.a. Obtain and interpret information represented by solutions and graphs. b. Use appropriate mathematical techniques and concepts to analyze data. c. Model and predict outcomes for physical situations with mathematical equations.	3 – Develop Quantitative Literacy
4.a. Demonstrate effective problem solving. b. Critically analyze mathematical problems and solutions for validity/credibility.	4 – Think Critically

c. Make connections across disciplines with mathematical models from physics, engineering, economics, medicine etc.	

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1210	Calculus I	4	A	Within the last year, MATH 1060 or MATH 1080 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3

NOTE: Physical Science General Education component is satisfied through pre-major coursework.

REQUIRED COURSES: (26-27 CREDITS)

COURSE		CR	SEM	PREREQUISITE
MATH 1220	Calculus II	4	A	Within last year, MATH 1210 w/C grade or better
MATH 2210	Multivariate Calculus	3	F, Sp	Within last year, MATH 1220 w/C grade or better
MATH 2270	Linear Algebra	4	F	Within last year, MATH 1220 w/C grade or better
MATH 2280	Differential Equations	4	Sp	Within last year, MATH 2270 w/C grade or better
PHYS 2210	Physics Sci & Eng I	4	A	MATH 1210. Recommended coreq: PHYS 2215
PHYS 2220	Physics Sci & Eng II	4	A	PHYS 2210 and MATH 1220. Recommended coreq: PHYS 2225
MATH 2040	Stats for Applied Science	4	F, Sp	Within last year, MATH 1050 w/C grade or better or appropriate Accuplacer score
OR				
MATH 2200	Discrete Math	3	F, Sp	Within last year, MATH 1220 w/C grade or better or instructor permission

ELECTIVE COURSES: (CHOOSE 5 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
PHYS 2215	Physics Sci & Eng Lab I	1	A	MATH 1210. Recommended coreq: PHYS 2210
PHYS 2225	Physics Sci & Eng Lab II	1	A	PHYS 2210 and MATH 1220. Recommended coreq: PHYS 2220
CHEM 1210	Gen Chem I	4	F,Sp	MATH 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1215	Gen Chem Lab I	1	F,Sp	MATH 1050 w/C grade or better or appropriate Accuplacer score.

				Recommended coreq: CHEM 1215
ENGR 1040	Engineering Computing	3	A	MATH 1060 or MATH 1080 (either may be taken concurrently)
CS 1400	Fund Programming	4	A	CS 1030 (may be taken concurrently)
CS 1410	Object-Orient Prog	4	A	CS 1400

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
MATH 1210	4	MATH 1220	4
ENGL 1010	3	ENGL 2010	3
AI	3	STUDENT CHOICE	3
DISTRIBUTION	3	DISTRIBUTION (2)	6
ELEC	3		
Total	**16**	**Total**	**16**
FALL SEMESTER		**SPRING SEMESTER**	
MATH 2210	3	MATH 2280	4
MATH 2270	4	PHYS 2220	4
PHYS 2210	4	MATH 2200	3
ELEC	2	LW	1
DISTRIBUTION	3	DISTRIBUTION	3
Total	**16**	**Total**	**15**

Advising Notes: Cooperative Education is SLCC's strategy for recognizing and rewarding new learning associated with study-related employment in a business, industrial or government work environment. Credit earned for MATH 2000 is applied toward graduation requirements as a mathematics elective credit.

The semesters in which courses are taught are listed in course descriptions. Students should check the semester class schedule for day/evening/weekend availability and modifications caused by varying enrollment.

DEPARTMENTAL OFFERINGS:

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Intermed Algebra	4	A	RDG 0900; within last year MATH 0990 w/C grade or better or appropriate Accuplacer score
MATH 1015	Int Algebra Workshop	1	A	Recommended coreq: MATH 1010
MATH 1020	Math for Health	3	A	RDG 0900 and MATH 0920 or MATH 0950 w/C grade or better or appropriate Accuplacer score
MATH 1030	Quantitative Reasoning	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score
MATH 1040	Intro Statistics	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score
MATH 1050	College Algebra	4	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score
MATH 1055	Cllg Algebra Workshop	1	A	Recommended coreq: MATH 1050
MATH 1060	Trigonometry	3	A	RDG 0990; within last year MATH 1050 w/C grade or better or appropriate Accuplacer score
MATH 1080	Precalculus	5	A	Appropriate Accuplacer score within the last year
MATH 1090	College Alg Business	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score
MATH 1210	Calculus I	4	A	Within last year, MATH 1060 or MATH 1080 w/C grade or better or appropriate Accuplacer score
MATH 1220	Calculus II	4	A	Within last year, MATH 1210 w/C grade or better
MATH 2000	Math CO-OP	2-4	A	Instructor approval
MATH 2010	Math Elem Teacher I	3	F	Within last year, MATH 1050 w/C grade or better or appropriate Accuplacer score
MATH 2020	Math Elem Teacher II	3	Sp	Within last year, MATH 2010 w/C grade or better
MATH 2040	Stats for Applied Science	4	F, Sp	Within last year, MATH 1050 w/C grade or better or appropriate Accuplacer score
MATH 2200	Discrete Math	3	F, Sp	Within last year, MATH 1220 w/C grade or better or instructor permission
MATH 2210	Multivariate Calculus	3	F, Sp	Within last year, MATH 1220 w/C grade or better

MATH 2250	Diff Equations	4	Sp	Within last year, MATH 1220 w/C grade or better. Optional coreq: MATH 2210 required departmental approval
MATH 2270	Linear Algebra	4	F	Within last year, MATH 1220 w/C grade or better
MATH 2280	Differential Equations	4	Sp	Within last year, MATH 2270 w/C grade or better

MEDICAL ASSISTANT – CERTIFICATE OF COMPLETION[CTE] 49 credits minimum

Allied Health Division
Jordan Campus, JCHSC 059A
Program Information, (801) 957-6215
http://www.slcc.edu/medicalassistant
Academic Advising, JHS 047, (801) 957- 6407
Health Science Admissions, JHS 047, (801) 957-6253

Program Faculty:
Assistant Professors – Diana L. Carroll, Lori Rager-Anderson and Jana Tucker
Instructors – Diane Robinson

Program Description: Medical assistants are trained primarily to work in doctors' offices, clinics or health maintenance facilities. As members of an allied health care profession, their role is to assist with care and treatment of patients in both administrative and clinical procedures.

Students must demonstrate efficiency by passing all courses and competencies required in the program, including successful completion of CPR and first aid certification, before placement in a practicum site.

Students complete a 200-hour unpaid practicum at a primary health care facility. Students must return ALL practicum evaluations and hours (records) properly signed by practicum supervisor and student to the practicum coordinator of the Allied Health Medical Assistant Program. Only upon successful completion of the program and practicum with a C (74%) or better, and receipt of all practicum evaluations will the student receive the Certificate of Certification.

Career Opportunities: Medical Assistant Program graduates possess entry-level skills in all administrative and clinical practices. They also receive extensive training in advanced competencies of the multi-skilled practitioner. As a result, graduates are of immediate value to the physician/employer. Emphasis is placed on development and understanding of personal and professional relationships.

Transfer/Articulation Information: Students who are transferring credits from other institutions, Advanced Placement (AP) or College Level Examination Program (CLEP) scores should submit them to SLCC's Incoming Transcripts Office and submit the form, "Request for Evaluation of Transfer Credits. For more information, log on to http://www.slcc.edu/transcriptevaluation. Transfer evaluation may take up to six weeks to complete. All transfer credits, AP and CLEP scores must be posted before submitting the Health Sciences Admission Application. It is highly recommended that students meet with the Health Sciences advisor upon completion of the evaluation process to review transfer credits, AP and CLEP scores.

Program Entry Requirements:

ADMISSIONS PROCESS

1. If not a current SLCC student or attended in past two years, apply for college admission as a matriculated degree-seeking student.
2. Declare Medical Assistant major on college admission application or change major in My Page.
3. Submit health sciences admissions application with required documentation to the Health Sciences Admissions Office according to due dates, see website.

APPLICATION REQUIREMENTS (Applications for Spring 2013 are due Oct. 1, 2012)

1. Complete Application Packet for Program.
2. Take HESI (Health Education Systems, Incorporated) A2 exam.
3. Proof of Immunizations and CPR certification form; must be includes in application packet.
4. Current CPR certification required for MA 2810, Practicum Placement, upon completion of all required MA courses with 75% or better.
5. Background check through SLCC's authorized vendor; provide confirmation number on application.
6. High school graduation or equivalent.

NOTE: See program website for detailed information: http://www.slcc.edu/medicalassistant

PROGRAM COURSE PREREQUISITES

Complete the following courses (or equivalent transfer credit, AP or CLEP):

- MATHEMATICS
  - Placement in Math 0990 within the past year with Accuplacer CPT Arithmetic level score 75 and CPT Elem Algebra score 40-53 Accuplacer within the past year
  - ACT Math score of 15 within the past year
- ENGLISH
  - Placement into ENGL 1010 within the past two years
  - Accuplacer Reading Comprehension score of 81 within the past two years
  - ACT Reading score of 20 within the past two years

IMMUNIZATION CPR / DRUG TESTING / BACKGROUND REQUIREMENTS

- Annual Influenza Vaccination
- PPD (tuberculosis skin test)
- Tetanus, Diphtheria and Pertussis (Tdap)
- Measles, Mumps, Rubella (MMR)
- Varicella (Chicken Pox)
- Hepatitis B vaccination series
- Hepatitis A vaccination series
- Current CPR – Two-year Health Care Provider
- Drug Testing, student will be notified
- Completed Criminal Background via SLCC vendor

Course Fees: Approximate cost $350

Estimated Cost for Students: Estimated Cost of Core Curriculum for Resident Students: $4500

Estimated Time to Completion: Three semesters

Specialized Accreditation: The Salt Lake Community College Allied Health Medical Assistant Program is accredited by CAAHEP (Commission on Accreditation of Allied Health) and the AAMA (America Association of Medical Assistants) Chicago, IL. The MAERB (Medical Assisting Education Review Board) has established thresholds for outcome assessments in medical assistant programs accredited by CAAHEP, one of which is successfully passing the CMA (Certified Medical Assistant) exam with an overall score of 70% or better. All program graduates will be required to take this exam within five years of completion of the program as mandated by the AAMA for program accreditation.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1. Students will be able to communicate through oral, written, nonverbal means, and through technological means. Students will be able to communicate with other health care professionals and patients to meet patient needs and implement change.	2 – Communicate Effectively
2. Students will also demonstrate knowledge of cultural differences and diversity and its impact on a patient's medical care and their compliance with a physician's instructions.	5 – Civic Engagement and/or Working Professionally
3. Students in the Medical Assistant program will be proficient in all the 59 competencies required by the AAMA for program accreditation.	1 – Substantive Knowledge
4. Exiting students will perform all administrative and clinical skills at or above the stated entry level minimums.	1 – Substantive Knowledge
5. Students will be employed either full or part time in the medical assistant field within six months of graduation or will be pursuing further education	1 – Substantive Knowledge
6. All students will successfully pass all math competencies and/or tests in the program at 75% or better	3 – Develop Quantitative Literacy
7. All MA students will successfully complete the CMA exam.	1 – Substantive Knowledge

REQUIRED COURSES: (49 CREDITS)

COURSE		CR	SEM	PREREQUISITE
PSY 1100	Human Growth & Dev	3		
MA 1100	Medical Terminology	2		
MA 1200	Medical Office Mgmt	4		Proof of word processing proficiency
MA 1210	Practical Med Office Mgmt	2		Coreq: MA 1200
MA 1300	Clinical Pharmacology	4		MA 1100 and 1420
MA 1310	Med/Phelobotomy Skills	2		MA 1200, 1210 and 1420
MA 1420	Clinical Pathology I	3		Coreq: MA 1100
MA 1600	Patient Care	2		MA 1100 and 1420 and PSY 1100
MA 1610	Practical Patient Care	4		MA 1600
MA 2240	Med Office Comm	2		MA 1100, 1200 and 1210
MA 2300	Med Coding Procedures	3		MA 1100 and 1420
MA 2420	Clinical Pathology II	3		MA 1420
MA 2540	Practical Radiology	2		MA 1420, 1600 and instructor approval
MA 2550	Practical Appl Radiology	3		MA 2540
MA 2600	Adv Patient Care	2		MA 1420 and 1600
MA 2610	Practical Adv Patient Care	4		MA 1310. Coreq: MA 2600
MA 2810	Medical Asst Externship	4		Successful completion of all required courses w/74%

SAMPLE SCHEDULE

FIRST SEMESTER		SECOND SEMESTER	
MA 1100	2	MA 1600	2
MA 1200	4	MA 1610	4
MA 1210	2	MA 2240	2
MA 1420	3	MA 1300	4
PSY 1100	3	MA 1310	2
		MA 2420	3
TOTAL	**14**	**TOTAL**	**17**

SEMESTER	
MA 2300	3
MA 2540	2
MA 2550	3
MA 2600	2
MA 2610	4
MA 2810	4
TOTAL	**18**

MORTUARY SCIENCE - ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 68 credits including prerequisites

Allied Health Division
Jordan Campus, JCHSC 059A
General Information, (801) 957-4073
Program Information, (801) 957-6216
http://www.slcc.edu/mortuaryscience
Academic Advising, JHS 047, (801) 957- 6407
Health Science Admissions, JHS 047, (801) 957-6253

Program Faculty:
Program Director – David Hess
Instructors – David Hess

Program Description: The Mortuary Science program is designed to educate students in all phases of funeral service with special attention being given to the high ethical standards within the funeral service profession. The knowledge and skills learned will allow students to acquire positions working in funeral homes as funeral directors, embalmers, grief facilitators and pre-need specialists. The aim of the program is to develop funeral service professionals who are active in the community in which they serve, who are knowledgeable and compliant with federal, state, and local area guidelines where they practice, who participate in building relationships with bereaved families and those engaged in the funeral service profession, and are sensitive to the responsibility for public health, safety, and welfare in caring for human remains.

During the course of the program, students will actively participate in embalming, and restorative art procedures of deceased humans through lab sessions at the school and by being placed in a funeral home for training purposes. Students will be responsible for providing their own transportation to clinical sites. Research projects into the field of funeral service will be required. Courses will run in four consecutive semesters. To graduate from the program the student must obtain a C grade or better for all program courses. After completion, students will be prepared for licensure in the state of Utah.

The Mortuary Science program is designed to give students the fundamental knowledge and skills needed to acquire entry-level positions in the funeral service profession.

Career Opportunities: The Mortuary Science program is designed to give students the fundamental knowledge and skills needed to acquire entry-level positions in the funeral service profession.

Transfer/Articulation Information: Students who are transferring credits from other institutions, Advanced Placement (AP) or College Level Examination Program (CLEP) scores should submit them to SLCC's Incoming Transcripts Office and submit the form, "Request for Evaluation of Transfer Credits. For more information, log on to http://www.slcc.edu/transcriptevaluation. Transfer evaluation may take up to six weeks to complete. All transfer credits, AP and CLEP scores must be posted before submitting the Health Sciences Admission Application. It is highly recommended that students meet with the Health Sciences advisor upon completion of the evaluation process to review transfer credits, AP and CLEP scores

Program Entry Requirements:

ADMISION PROCESS
1. If you are not a current SLCC student or have not attended SLCC in the past two years, you will need to apply for college admission as a matriculated (degree-seeking) student.
2. Declare a major in Health Sciences, Mortuary Science on college admission application or change major in MyPage.
3. Submit completed application and required documentation to the Health Sciences Admissions Office, according to dates listed below.

APPLICATION REQUIREMENTS (Application Closing Date of 2013) *
1. Completed Application Packet for Program
2. HESI (Health Education Systems, Incorporated) A2 exam.
3. Proof of Immunizations and CPR certification form; include in application packet.
4. Background check through SLCC's authorized vendor; provide confirmation number on application. In addition, *it will be the responsibility of the student to contact the licensing board and seek advice regarding eligibility for licensure and requirements needed to progress in this profession, if the criminal background check discloses issues of concern.*
5. Personal interview.

NOTE: See program website for detailed information: http://www.slcc.edu/mortuaryscience/index.asp

IMMUNIZATION / CPR / DRUG TESTING / BACKGROUND REQUIREMENTS

- PPD (tuberculosis skin test)
- Tetanus, Diphtheria and Pertussis (Tdap)
- Measles, Mumps, Rubella (MMR)
- Varicella (Chicken Pox)
- Hepatitis B vaccination series
- Hepatitis A vaccination series
- Drug Testing; students will be notified by program
- Completed Background via SLCC vendor

REQUIRED PREREQUISITE COURSEWORK

Courses listed below (or equivalent transfer credit, AP, CLEP) must be completed with a C grade or better:

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
MATH 1010	Intermediate Algebra	4	A	RDG 0900; within the last year, MATH 0990 w/C grade or better, or appropriate Accuplacer score
BIOL 1610	College Biology I	4	A	MATH 0990 w/C grade or better, or appropriate Accuplacer score AND RDG 0990 w/C grade or better, or appropriate Accuplacer score. Coreq: BIOL 1615
BIOL 1615	College Biology I Lab	0	A	MATH 0990 w/C grade or better, or appropriate Accuplacer score AND RDG 0990 w/C grade or better, or appropriate Accuplacer score. Coreq: BIOL 1610
COMM 1020	Public Speaking	3	A	
MORT 1010	Intro Mortuary Science	3	A	

Total Program/Course Fees: Total Lab Fees of $500.00; National Board Exam Fee to be determined.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Specialized Accreditation: The Mortuary Science AAS program at Salt Lake Community College is applying for accreditation by the American Board of Funeral Service Education (ABFSE), 3414 Ashland Avenue, Suite G St. Joseph, Missouri 64506, (816) 233-3747, www.abfse.org.

The American Board of Funeral Service Education (ABFSE) serves as the national academic accreditation agency for college and university programs in funeral service and mortuary science education. ABFSE is the sole accrediting agency recognized by the US Department of Education and the Council on Higher Education Accreditation in this field.

CAUTION: Students applying for admission to the Salt Lake Community College Mortuary Science Program should contact their respective state boards of funeral service regarding that state's approval of this particular program of instruction.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1. To provide a program of study in Mortuary Science to help meet the funeral service industry employment needs of the State of Utah and surrounding states.	
2. To enlarge the background and knowledge of students about the funeral service profession;	
3. To educate students in every phase of funeral service and to help enable them to develop proficiency and skills necessary for the profession;	
4. To educate students concerning the responsibilities of the funeral service profession to the community at large;	
5. To emphasize high standards of ethical conduct in the industry;	
6. To provide a curriculum at the post- secondary level of instruction;	
7. To encourage student and faculty research in the field of funeral service.	
8. To provide students the business and legal knowledge, philosophical/ethical principles and specific techniques and stills to enable them to be successful within the funeral service profession.	
9. To educate and prepare individuals for active contribution to the service and welfare of their communities.	

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Intermediate Algebra	4	A	RDG 0900; within the last year, MATH 0990 w/C grade or better or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1020	Public Speaking	3	A	

HUMAN RELATIONS (HR) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 2110	Interpersonal Comm	3	A	

DISTRIBUTION AREAS (BS) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
BIOL 1610	College Biology I	4	A	MATH 0990 w/C grade or better, or appropriate Accuplacer score AND RDG 0990 w/C grade or better, or appropriate Accuplacer score. Coreq: BIOL 1615
BIOL 1615	College Biology I Lab	0	A	MATH 0990 w/C grade or better, or appropriate Accuplacer score AND RDG 0990 w/C grade or better, or appropriate Accuplacer score. Coreq: BIOL 1610

REQUIRED COURSES: (51 CREDITS)

COURSE		CR	SEM	PREREQUISITE
BIOL 2060	Microbiology	4	Sp	BIOL 1610 w/C grade or better. Coreq: BIOL 2065
BIOL 2065	Microbiology Lab	0	Sp	BIOL 1610 w/C grade or better. Coreq: BIOL 2060
BIOL 2320	Human Anatomy	4	Sp	BIOL 1610 w/C grade or better. Coreq: BIOL 2325
BIOL 2325	Human Anatomy Lab	0	Sp	BIOL 1610 w/C grade or better. Coreq: BIOL 2320
MGT 2050	Legal Environ of Bus	3	Sp	BUS 1050; see Health Science Academic Advisor
MORT 1010	Intro Mortuary Science	3	A	Must be taken as a prerequisite to program
MORT 1100	Grief/Death/Dying	2	Sp	MORT 1010, admission to program
MORT 1300	Pathology Funeral Srv	2	Sp	MORT 1010, admission to program

MORT 1400	Embalming I	3	Su	MORT 1300. Coreq: MORT 1405 & MORT 1600
MORT 1405	Embalming I Lab	1	Su	MORT 1300. Coreq: MORT 1400 & MORT 1600
MORT 1600	Thanatochemistry	2	Su	MORT 1300. Coreq: MORT 1400 & MORT 1405
ACCT 1110	Financial Accounting	3	F	
MORT 2330	Funeral Srv Psy/Counsel	3	F	MORT 1100
MORT 2400	Embalming II	3	F	MORT 1400. Coreq: MORT 2405
MORT 2405	Embalming II Lab	1	F	MORT 1400, Coreq: MORT 2400
MORT 2600	Restorative Art	3	F	MORT 1400 & MORT 1405. Coreq: MORT 2605
MORT 2605	Restorative Art Lab	1	F	MORT 1400 & MORT 1405. Coreq: MORT 2600
MORT 2700	Mortuary Law & Ethics	3	Sp	Progression in program
MORT 2730	Funeral Home Mgmt	4	Sp	Progression in program
MORT 2750	Funeral Directing	4	Sp	Progression in program
MORT 2770	NBE Professional Review	2	Sp	Progression in program

SAMPLE SCHEDULE			
SPRING SEMESTER		**SUMMER SEMESTER**	
BIOL 2060/2065	4	COMM 2110	3
BIOL 2320/2325	4	MORT 1400	3
MORT 1100	2	MORT 1405	1
MORT 1300	2	MORT 1600	2
Total	**12**	**Total**	**9**
FALL SEMESTER		**SPRING SEMESTER**	
ACCT 1110	3	MGT 2050	3
MORT 2330	3	MORT 2700	3
MORT 2400	3	MORT 2730	4
MORT 2405	1	MORT 2750	4
MORT 2600	3	MORT 2770	2
MORT 2605	1		
Total	**14**	**Total**	**16**

MEDIA MUSIC – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 66 credits minimum

Communication and Performing Arts Department
South City Campus
General Information, (801) 957-4073
Program Information, (801) 957-4130
www.slcc.edu/performingarts
Academic Advisor, SCC W138, (801) 957-3361

Program Faculty:
Associate Professors – Lyle Archibald
Assistant Professors – Thomas Baggely, Craig Ferrin
Instructors – Steven Sue

Program Description: The AAS in Media Music is designed to prepare students to work professionally as music producers, composers, songwriters and/or arrangers in the music and multimedia industries. In addition to a basic core of musical skills, students receive training and gain experience creating music using electronic and acoustic instruments for use in a variety of professional and commercial settings from film scores and commercial music productions to music for video games and other multimedia projects. They also receive training in business and entrepreneurship as it applies to the music industry and build a portfolio of projects that they can use to apply those entrepreneurship skills in pursuing work in the industry.

Career Opportunities: Students completing the degree program will have received training that will help to prepare them to work as a freelance composer, songwriter and/or arranger. Students may also find work in a recording studio, working as a studio musician developing MIDI-based recordings to combine with acoustic elements of digital recording. However, a large percentage of those who make their living in this field are self-employed and work on a contract basis. For this reason, an important part of the course requirements is designed to teach students the kinds of skills they will need to be successful as freelance artists. Additional freelance work may be found in the related fields of sound design/synthesis and digital audio recording engineering (although the Music Recording Technology degree is designed to give more specialized training in the audio recording area).

Transfer & Articulation Information: The core of classes of the Media Music AAS, also required for the Music AS degree, have been articulated with all state-sponsored higher education institutions in the state of Utah.

Program Entry Requirements: A musical background with performance experience including basic piano/keyboard skills and the ability to read music notation are desirable and will benefit students entering the program. Students with insufficient prior preparation may be required to take MUSC 1100 Intro to Music Theory before being allowed to begin taking the required courses in Music Theory. Students with insufficient piano/keyboard skills may be required to take MUSC 1150 and MUSC 1160 to complete the piano proficiency requirement.

Total Program/Course Fees: In addition to tuition, students will need to purchase $550-$600 worth of books while completing the specified courses.

Estimated Cost for Students: While not required for completion of the program, any professional composer of media music will need to buy equipment for his own MIDI project studio eventually. The estimated minimal costs for such equipment and related software is at least $3,000 (and will grow from there as they acquire more equipment over time). Ownership of this equipment as a student would be helpful to the student's success but is not required as all of the required equipment is available for use in on-campus computer labs.

Estimated Time to Completion: If students follow suggested sample schedule, completion time is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally

Students demonstrate proficiency in music composition for both acoustic and electronic instruments.	1, 4
Students demonstrate the ability to work in a collaborative team environment on professional-quality music projects for both musical and non-musical clients.	1, 2, 4
Specialization - Students demonstrate the development of professional-quality specialization within the field of music composition and production.	1, 2, 4
Students demonstrate the appropriate entrepreneurial skills necessary for a freelance artist including but not limited to portfolio development, networking, promotion/marketing and basic business accounting.	1, 4
Students demonstrate proficiency in academic understanding of the basic structures of music including the ability to compose and analyze music according to common theoretical practices generally accepted in the music industry.	1, 2, 3, 4
Students demonstrate proficiency in the ability to fluently read and write music notation in accordance with practices generally accepted in the music industry.	1, 2
Students demonstrate proficiency in musical performance with appropriate expression, accuracy and artistic value.	1, 2, 3, 4, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved QS course			

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (6 CREDITS)

Choose an additional six credits from at least two of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (41-43 CREDITS)

COURSE		CR	SEM	PREREQUISITE
MUSC 0990	Recital Attendance	0	F, Sp	
MUSC 1110	Music Theory I	3	F, Sp	Ability to read music notation
MUSC 1120	Music Theory II	3	Sp, Su	MUSC 1110
MUSC 1130	Sight Sing/Ear Training I	1	F, Sp	Should be taken concurrently with MUSC 1110
MUSC 1140	Sight Sing/Ear Training II	1	Sp, Su	MUSC 1130; Coreq: MUSC 1120
MUSC 1300	Money & Creative Prof	1	F, Sp	
MUSC 1520	Intro MIDI/Elec Mus Comp	3	F, Sp	
MUSC 1540	MIDI II/Media Musc Comp	3	Sp, Su	MUSC 1520
MUSC 2110	Music Theory III	3	F	MUSC 1120
MUSC 2120	Music Theory IV	3	Sp	MUSC 2110
MUSC 2130	Sight Sing/Ear Training III	1	F	MUSC 1140; Coreq: MUSC 2110

MUSC 2140	Sight Sing/Ear Training IV	1	Sp	MUSC 2130; Coreq: MUSC 2120
MUSC 2350	Conducting Fundamentals	2	Sp	MUSC 1120
Two semesters of				
MUSC 2500	Music Production Group	4	A	MUSC 1060, 1530 or 1540

Four semesters of a Performance Ensemble - qualifying courses include MUSC 1350, 1360, 1370, 1380, 1390, 1450, 1460, 1470 and 1480

		1	A	An audition may be required for specific ensembles

ELECTIVE COURSES: (SELECT 10 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
MUSC 1050	Songwriting I	2	F, Sp	
MUSC 1060	Songwriting II	2	Sp, Su	MUSC 1050
MUSC 1510	Desktop Music Publishing	3	F, Sp	MUSC 1100 or equivalent proficiency (test given first day)
MUSC 1515	Basic Audio Production	3	F, Sp	
MUSC 1530	Music Recording Tech	3	Sp	MUSC 1515
MUSC 1550	Musical Acoustics	3	F, Sp	Math proficiency usually demonstrated by successful completion of the QL requirement
MUSC 2520	Music Scoring for Film	3	F	MUSC 1540
Private Vocal or Instrumental Lessons		1	A	Audition - Must be able to perform NYSSMA Grade Four literature at a minimum

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
MUSC 0990	0	MUSC 0990	0
ENSEMBLE	1	ENSEMBLE	1
MUSC 1110	3	MUSC 1120	3
MUSC 1130	1	MUSC 1140	1
MUSC 1150	1	MUSC 1160	1
MUSC 1520	3	MUSC 1540	3
MUSC 1300	1	ENGL 1010	3
QS	4	HR	3
DISTRIBUTION	3	DISTRIBUTION	3
Total	**17**	**Total**	**18**
FALL SEMESTER		**SPRING SEMESTER**	
MUSC 0990	0	MUSC 0990	0
ENSEMBLE	1	ENSEMBLE	1
MUSC2110	3	MUSC 2120	3
MUSC 2130	1	MUSC 2140	1
MUSC 2500	4	MUSC 2350	2
ELEC	2-3	MUSC 2500	4
ELEC	2-3	ELEC	2-3
CM	3	ELEC	2-3
Total	**16-18**	**Total**	**15-17**

Advising Notes: It is recommended that students complete their distribution requirements by taking MUSC 1500 Music and Technology (which meets the Interdisciplinary distribution requirement) and one of the following: MUSC 1010 Introduction to Music, MUSC 1030 Survey of Jazz or MUSC 1040 U.S. Music & Culture (each of which meets the Fine Arts distribution requirement).

MIDI – CERTIFICATE OF PROFICIENCY[CTE] 19 credits minimum

Communication and Performing Arts Department
South City Campus
General Information, (801) 957-4073
Program Information, (801) 957-4130
http://www.slcc.edu/performingarts
Academic Advisor, SCC W138, (801) 957-3361

Program Faculty:
Associate Professors – Lyle Archibald
Assistant Professors – Thomas Baggely, Craig Ferrin
Instructors – Steven Sue

NOTE: This program is pending approval by the Utah State Board of Regents. Students may apply for graduation in this program beginning Fall Semester 2012.

Program Description: The MIDI Certificate of Proficiency is part of the Music program's participation in the college-wide "stackable credentials" initiative to create certificates that reflect student achievement even when students have not completed an entire degree program. This certificate represents the MIDI-only portion of a proposed Media Music AAS degree and represents proficiency working with electronic instruments and the MIDI-based components of music technology-based software applications (specifically digital audio workstations). A number of students are currently taking many of the classes which are a part of this certificate of completion, even though these courses are not a required part of any degree program. The creation of a certificate of completion will recognize their achievement in this area.

Career Opportunities: Students completing the certificate program will have received training that will help to prepare them to work as a freelance composer, songwriter and/or arranger. Students may also find work in a recording studio, working as a studio musician developing MIDI-based recordings to combine with acoustic elements of digital recording. Additional freelance work may be found in the related fields of sound design/synthesis and digital audio recording engineering (although the Recording Engineering Certificate is designed to give more specialized training in the audio recording area).

Total Program/Course Fees: In addition to tuition, students will need to purchase $150-$200 worth of books while completing the specified courses

Estimated Cost for Students: While not required for completion of the program, any professional musician using MIDI will need to buy equipment for his own MIDI studio eventually. The estimated minimal costs for such equipment and related software is at least $3,000 (and will grow from there as they acquire more equipment over time). Ownership of this equipment as a student would be helpful to the student's success but is not required as all of the required equipment is available for use in on-campus computer labs.

NOTE: This Certificate of Proficiency is **not** eligible for financial aid. However, courses within the certificate may be eligible if taken as part of a financial aid eligible program. Please check with the Financial Aid Office to determine if your classes are eligible.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
Students will demonstrate the ability to use MIDI based equipment to create recordings of electronic music and professional-quality mock-ups of acoustic instrumental music.	1, 4

Students will demonstrate the ability to work in a collaborative team environment on professional-quality music projects for both musical and non-musical clients.	1, 2, 4
Specialization - Students will demonstrate the development of professional-quality specialization within the field of music composition and production.	1, 2, 4
Students will demonstrate the appropriate entrepreneurial skills necessary for a freelance artist including but not limited to portfolio development, networking, promotion/marketing and basic business accounting.	1, 4

REQUIRED COURSES: (11 CREDITS)

COURSE		CR	SEM	PREREQUISITE
MUSC 1300	Money & Creative Prof	1	F, Sp	
MUSC 1520	Intro MIDI/Elec Mus Comp	3	F, Sp	
MUSC 1540	MIDI II/Media Musc Comp	3	Sp,Su	MUSC 1520
Two semesters of:				
MUSC 2500	Music Production Group	4	F, Sp	MUSC 1060 w/C grade or better, MUSC 1530 or 1540, or instructor permission

ELECTIVES: (SELECT 6 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
MUSC 1050	Songwriting I	2	F, Sp	
MUSC 1060	Songwriting II	2	Sp, Su	MUSC 1050
MUSC 1510	Desktop Music Publishing	3	F, Sp	MUSC 1100 or equivalent proficiency (test given first day)
MUSC 1515	Basic Audio Production	3	F, Sp	
MUSC 1530	Music Recording Tech	3	Sp	MUSC 1515
MUSC 1550	Musical Acoustics	3	F, Sp	Math proficiency usually demonstrated by successful completion of the QL requirement
MUSC 2520	Music Scoring for Film	3	F	MUSC 1540

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
MUSC 1520	3	MUSC 1540	3
MUSC 1300	1		
Total	**4**	**Total**	**3**
FALL SEMESTER		**SPRING SEMESTER**	
MUSC 2500	4	MUSC 2500	4
ELEC	3	ELEC	3
Total	**7**	**Total**	**7**

MUSIC – ASSOCIATE OF SCIENCE (AS) 61 credits minimum

Communication and Performing Arts Department
South City Campus
General Information, (801) 957-4073
Program Information, (801) 957-4130
http://www.slcc.edu/performingarts
Academic Advisor, SCC W138, (801) 957-3361

Program Faculty:
Associate Professors – Lyle Archibald
Assistant Professors – Thomas Baggely, Craig Ferrin
Instructors – Steven Sue

Program Description: The Music Department offers a two-year program of music education for students planning to major in music at a four-year institution, as well as the student who is interested in improving their individual musical knowledge and abilities.

Departmental offerings include music theory, conducting, MIDI technology (computer/synthesizer,) songwriting, music history and music appreciation. The Department also offers opportunities to develop individual music skills in a variety of instruments, piano and voice, as well as performing experience in auditioned and non-auditioned ensembles.

The Music Department faculty supports high standards in music education; they encourage and mentor individual students to attain their highest potential.

Career Opportunities: Continuation to baccalaureate granting institutions in performance and music education. Students may also open studios in private music teaching and approach local recording studios for recording work. Performers may also engage in performance for pay as an entrepreneur in the music field. Most performing musicians do not hold regular jobs as performers but work as contract entrepreneurs in the communities.

Transfer/Articulation Information: Music majors planning to transfer to a four-year institution will be required to pass a vocal or instrumental proficiency exam. It is strongly encouraged that students take 45-minute private lessons each semester in voice or their instrument of study to prepare for this exam.

Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Program Entry Requirements: By Audition or faculty approval. Contact Thomas Baggaley: thomas.baggeley@slcc.edu

Total Program/Course Fees: Estimated books and supplies- $350 - $450 per semester, $10.00 for performing classes for music.

Estimated Cost for Students: Cost of supplies and texts are comparable with other General Education classes at approximately $40 per text. Some courses require additional fees or may require concert attendance.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Prepare students for transfer to four-year music programs in the state of Utah	1,2,3,4,5

2. Proficiency in academic understanding of music theory, ear-training, sight-singing, and music history.	1,2,3,4
3. Proficiency in musical performance with appropriate expression, accuracy and artistic value.	1,2,3,4,5
4. Show proficiency in at least one performance medium of voice, instrument, or composition.	1,2,3,4,5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) CHOOSE ONE COURSE (3-4 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
MATH 1030	Quantitative Reasoning	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score
OR				
MATH 1040	Intro to Statistics	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score
OR				
MATH 1050	College Algebra	3	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem of Effective Com	3	A	

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3
Physical Science (PS)	3

REQUIRED COURSES: (6 CREDITS)

COURSE		CR	SEM	PREREQUISITE
MUSC 0990	Recital Attendance	0	A	
MUSC 1010	Intro to Music (FA)	3	A	
MUSC 1110	Music Theory I	3	A	MUSC 1100 or equivalent proficiency (test given first day). Coreq: 1130
MUSC 1120	Music Theory II	3	Sp	MUSC 1110 w/C grade or better. Coreq: MUSC 1104
MUSC 1130	SS and Ear I	1	A	MUSC 1110
MUSC 1140	SS and Ear II	1	Sp	MUSC 1130 w/C grade or better. Coreq: MUSC 1120
MUSC 1150	Group Piano I	1	F, Sp	
MUSC 1160	Group Piano II	1	Sp	MUSC 1150 or instructor approval

MUSC 1370	Concert Choir	1	F, Sp	Audition
	or			
MUSC 1380	Chamber Singers	1	F, Sp	Audition
MUSC 2110	Music Theory III	3	F	MUSC 1120 w/C grade or better. Coreq: MISC 2130
MUSC 2130	SS and Ear III	1	F	MUSC 1140 w/C grade or better. Coreq: MUSC 2110
MUSC 2120	Music Theory IV	3	Sp	MUSC 2110 w/C grade or better. Coreq: MUSC 2140
MUSC 2140	SS and Ear IV	1	Sp	MUSC 2130 w/C grade or better. Coreq: MUSC 2120
MUSC 2350	Conducting Fundamentals	2	Sp	MUSC 1120

NOTE: MUSC 0990 must be taken each semester for four semesters. Students may also use MUSC 1370, 1380 or 1390, 1450 to fulfill the four credits of voice or instrument that must be taken each semester.

SAMPLE SCHEDULE

FALL SEMESTER		**SPRING SEMESTER**	
MUSC 0990	0	MUSC 0990	0
MUSC 1010	3	MUSC 1160	1
MUSC 1150	1	MUSC 1370/1380	1
MUSC 1370/1380	1	MUSC 1120	3
MUSC 1110	3	MUSC 1140	1
MUSC 1130	1	HLAC	1
ENGL 1010	3	DISTRIBUTION (2)	6
AI	3	COMM 1010	3
Total	**15**	**Total**	**16**

FALL SEMESTER		**SPRING SEMESTER**	
MUSC 0990	0	MUSC 0990	0
MUSC 1370/1380	1	MUSC 1370/1380	1
MUSC 2110	3	MUSC 2350	2
MUSC 2130	1	MUSC 2120	3
DISTRIBUTION (2)	6	MUSC 2140	1
QL	3	ENGL 2010	3
		DISTRIBUTION (2)	6
Total	**14**	**Total**	**16**

Advising Notes: It is the student's responsibility to examine each course description for details of prerequisites for each class. Those prerequisites must be satisfied before the designated class may be taken. Beginning music students who are learning basic music theory should enroll in MUSC 1100 together with MUSC 1110 and MUSC 1130.

DEPARTMENTAL COURSE OFFERINGS

COURSE		CR	SEM	PREREQUISITE
MUSC 0990	Recital Attendance	0	A	
MUSC 1010	Intro to Music (FA)	3	A	
MUSC 1030	Survey of Jazz (FA)	3	A	
MUSC 1040	US Musc Culture (FA,DV)	3	A	
MUSC 1050	Songwriting I	2	F, Sp	
MUSC 1060	Songwriting II	2	Sp	MUSC 1050 w/C grade or better or instructor approval
MUSC 1090	Bridging the Arts (FA)	3	A	
MUSC 1100	Intro Music Theory	2	F, Sp	
MUSC 1110	Music Theory I	3	A	MUSC 1100 or equivalent proficiency (test given first day). Coreq: 1130
MUSC 1120	Music Theory II	3	Sp	MUSC 1110 w/C grade or better. Coreq: MUSC 1104
MUSC 1130	SS and Ear I	1	A	MUSC 1110
MUSC 1140	SS and Ear II	1	Sp	MUSC 1130 w/C grade or better. Coreq: MUSC 1120
MUSC 1145	Intro to Piano	2	F	
MUSC 1150	Group Piano I	1	F, Sp	
MUSC 1160	Group Piano II	1	Sp	MUSC 1150 or instructor approval
MUSC 1300	Money & Creative Profs.	1	F, Sp	
MUSC 1310	Group Voice I	2	A	
MUSC 1350	College Chorale	1	F, Sp	
MUSC 1360	College Chorale	0	F, Sp	

MUSC 1370	Concert Choir	1	F, Sp	Audition
MUSC 1380	Chamber Singers	1	F, Sp	Audition
MUSC 1390	South City Jazz	1	F, Sp	Audition
MUSC 1450	Bruin Band	1	TBA	
MUSC 1460	Chamber Orchestra	1	F, Sp	Audition
MUSC 1470	Jazz Ensemble	1	F, Sp	Audition
MUSC 1480	Guitar Ensemble	1	F, Sp	Audition
MUSC 1500	Music and Tech (ID)	3	A	
MUSC 1510	Desktop Music Pub	3	F, Sp	MUSC 1100 or equivalent proficiency (test given first day) or concurrently
MUSC 1520	Intro to MIDI	3	A	
MUSC 1515	Basic Audio Production	3	A	
MUSC 1520	Intro MIDI/Elec Mus Comp	3		
MUSC 1530	Music Rec Techniques	4	Sp	MUSC 1515 or instructor approval
MUSC 1540	MIDI II	3	A	MUSC 1520 or instructor approval
MUSC 1610	Group Guitar I	2	A	
MUSC 1620	Group Guitar II	2	F, Sp	MUSC 1610
MUSC 1660	Fretboard Theory I	2	F	
MUSC 1670	Fretboard Theory II	2	Sp	MUSC 1660
MUSC 1710	Pvt Gtr/Bass (nonMaj)	1	A	
MUSC 1712	Pvt Gtr/Bass (MusEdMaj)	1	A	Audition
MUSC 1715	Pvt Gtr/Bass (Perf Maj)	2	A	Audition
MUSC 1720	Pvt Strings (nonMaj)	1	A	
MUSC 1722	Pvt Strings (MusEdMaj)	1	A	Audition
MUSC 1725	Pvt Strings (Perf Maj)	2	A	Audition
MUSC 1730	Pvt Piano (nonMaj)	1	A	
MUSC 1732	Pvt Piano (MusEdMaj)	1	A	Audition
MUSC 1735	Pvt Piano (Perf Maj)	2	A	Audition
MUSC 1740	Pvt Brass (nonMaj)	1	A	
MUSC 1742	Pvt Brass (MusEdMaj)	1	A	Audition
MUSC 1745	Pvt Brass (Perf Maj)	2	A	Audition
MUSC 1750	Pvt Voice (nonMaj)	1	A	
MUSC 1752	Pvt Voice (MusEdMaj)	1	A	Audition
MUSC 1755	Pvt Voice (Perf Maj)	2	A	Audition
MUSC 1760	Pvt Woodwind (nonMaj)	1	A	
MUSC 1762	Pvt Wdwd (MusEdMaj)	1	A	Audition
MUSC 1765	Pvt Woodwd (Perf Maj)	2	A	Audition
MUSC 1900	Special Projects	1-2	F, Sp	Instructor approval
MUSC 2110	Music Theory III	3	F	MUSC 1120 w/C grade or better. Coreq: MISC 2130
MUSC 2130	SS and Ear III	1	F	MUSC 1140 w/C grade or better. Coreq: MUSC 2110
MUSC 2120	Music Theory IV	3	Sp	MUSC 2110 w/C grade or better. Coreq: MUSC 2140
MUSC 2140	SS and Ear IV	1	Sp	MUSC 2130 w/C grade or better. Coreq: MUSC 2120
MUSC 2350	Conducting Fundamentals	2	Sp	MUSC 1120
MUSC 2710	Pvt Gtr/Bass (nonMaj)	1	A	MUSC 1710
MUSC 2712	Pvt Gtr/Bass (Mus Ed)	1	A	MUSC 1712 and audition
MUSC 2715	Pvt Gtr/Bass (Mus Perf)	2	A	MUSC 1715 and audition
MUSC 2720	Pvt Strings (nonMaj)	1	A	MUSC 1720
MUSC 2722	Pvt Strings (Mus Ed)	1	A	MUSC 1722 and audition
MUSC 2725	Pvt Strings (Mus Perf)	2	A	MUSC 1725 and audition
MUSC 2730	Pvt Piano (nonMaj)	1	A	MUSC 1730
MUSC 2732	Pvt Piano (Mus Ed Maj)	1	A	MUSC 1732 and audition
MUSC 2735	Pvt Piano (Mus Perf Maj)	2	A	MUSC1735 and audition
MUSC 2740	Pvt Brass (nonMaj)	1	A	MUSC 1740
MUSC 2742	Pvt Brass (Mus Ed Maj)	1	A	MUSC 1742 and audition
MUSC 2745	Pvt Brass (Mus Perf Maj)	2	A	MUSC 1745 and audition
MUSC 2750	Pvt Voice (nonMaj)	1	A	MUSC 1750
MUSC 2752	Pvt Voice (Mus Ed Maj)	1	A	Audition
MUSC 2755	Pvt Voice (Mus Perf Maj)	2	A	MUSC 1775 and audition

MUSC 2760	Pvt Wdwind (nonMaj)	1	A	MUSC 1760
MUSC 2762	Pvt Wdwind (Mus Ed)	1	A	MUSC 1762 and audition
MUSC 2765	Pvt Wdwind (Perf Maj)	2	A	MUSC 1765 and audition
MUSC 2900	Special Topics	1-3	TBA	Department approval
MUSC 2990	Perf Arts Connct	2	Sp	Department approval

MUSIC RECORDING TECHNOLOGY – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 66 credits minimum

Communication and Performing Arts Department
South City Campus
General Information, (801) 957-4073
Program Information, (801) 957-4130
www.slcc.edu/performingarts
Academic Advisor, SCC W138, (801) 957-3361

Program Faculty:
Associate Professors – Lyle Archibald
Assistant Professors – Thomas Baggely, Craig Ferrin
Instructors – Steven Sue

Program Description: The Music Recording Technology AAS degree program will provide students with the required skills to perform high-level tasks in the music recording industry, the business skills to be successful entrepreneurs, and the opportunity to build a portfolio of projects that will demonstrate their skills and technical abilities. Broadcast and sound engineering technicians and radio operators perform a wide variety of tasks. Their duties include setting up, operating, and maintaining the electronic equipment used in nearly all radio and television broadcasts, concerts, plays, sound recordings, and movies. They also install and maintain audiovisual equipment in businesses, schools, homes, performance venues, and other settings. There are many specialized occupations in this field.

This program will help students develop the requisite skills and technical knowledge to install and maintain audiovisual equipment and to make professional quality audio recordings for a variety of media (film, television, radio, commercial recordings, computer games, etc.); it will also help students develop the entrepreneurial ability to help them to monetize these skills. The program strives to combine a solid foundation in traditional musical and technical instruction with opportunities to gain experience working on projects modeled after those regularly encountered by professionals in the music and multimedia production industries. Music Recording Technology students will collaborate with students from other programs, such as film or animation students, as a part of their education and training.

Career Opportunities: Students completing the degree program will have received training that will help to prepare them to work as a recording engineer in a music recording studio and for freelance work as a sound designer for live concert productions. According to the United States Department of Labor, Bureau of Labor Statistics Occupational Handbook 2010-11 edition, about 29 percent of broadcast and sound engineering technicians and radio operators worked in broadcasting (except Internet broadcasting), and 15 percent worked in the motion picture, video, and sound recording industries. About 13 percent were self-employed. Students may also find freelance work in the allied fields of sound design/synthesis, film sound, songwriting, composition and arranging, although the best preparation for such jobs will take place through the completion of the appropriate elective courses.

Transfer & Articulation Information: The core of classes of the Music Recording Technology AAS, also required for the Music AS degree, have been articulated with all state-sponsored higher education institutions in the state of Utah.

Program Entry Requirements: A musical background with performance experience including basic piano/keyboard skills and the ability to read music notation are desirable and will benefit students entering the program. Students with insufficient prior preparation may be required to take MUSC 1100 Intro to Music Theory before being allowed to begin taking the required courses in Music Theory. Students with insufficient piano/keyboard skills may be required to take MUSC 1150 and MUSC 1160 to complete the piano proficiency requirement.

Total Program/Course Fees: In addition to tuition, students will need to purchase $550-$600 worth of books while completing the specified courses.

Estimated Cost for Students: While not required for completion of the program, any professional composer of media music will need to buy equipment for his own MIDI project studio eventually. The estimated minimal costs for such equipment and related software is at least $3,000 (and will grow from there as they acquire more equipment over time). Ownership of this equipment as a student would be helpful to the student's success but is not required as all of the required equipment is available for use in on-campus computer labs.

Estimated Time to Completion: If students follow suggested sample schedule, completion time is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacies 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
Students demonstrate the ability to work on all aspects of a music recording project, both recorded in a live performance setting and recorded in a controlled studio setting. These aspects include but are not limited to microphone placement, live sound mixing, tracking and final recording mixing and mastering.	1, 4
Students demonstrate an understanding of the mathematics and science associated with basic electronics and instrumentation technology.	1, 3
Students demonstrate an understanding of the mathematics and science associate with musical acoustics, especially as they relate to recording situations including but not limited to studio design, the acoustics of instruments and sound production and performance space acoustics that might affect live audio production.	1, 3
Students demonstrate the ability to work in a collaborative team environment on professional-quality music projects for both musical and non-musical clients.	1, 2, 4
Students demonstrate the appropriate entrepreneurial skills necessary for a freelance artist including but not limited to portfolio development, networking, promotion/marketing and basic business accounting.	1, 4
Students demonstrate intermediate-level proficiency in academic understanding of the basic structures of music including the ability to compose and analyze music according to common theoretical practices generally accepted in the music industry.	1, 2, 3, 4
Students demonstrate intermediate-level proficiency in the ability to fluently read and write music notation in accordance with practices generally accepted in the music industry.	1, 2
Students demonstrate proficiency in musical performance with appropriate expression, accuracy and artistic value.	1, 2, 3, 4, 5
Students demonstrate the ability to work on all aspects of a music recording project, both recorded in a live performance setting and recorded in a controlled studio setting. These aspects include but are not limited to microphone placement, live sound mixing, tracking and final recording mixing and mastering.	1, 4

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved QS course			

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (6 CREDITS)

Choose an additional six credits from at least two of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3

Physical Science (PS)	3
Social Science (SS)	3

NOTE: PHYS 1010 cannot be used to fulfill the Physical Science (PS) General Education requirement.

REQUIRED COURSES: (38 CREDITS)

COURSE		CR	SEM	PREREQUISITE
MUSC 0990	Recital Attendance	0	F, Sp	
MUSC 1110	Music Theory I	3	F, Sp	Ability to read music notation
MUSC 1120	Music Theory II	3	Sp, Su	MUSC 1110
MUSC 1130	Sight Sing/Ear Training I	1	F, Sp	Should be taken concurrently with MUSC 1110
MUSC 1140	Sight Sing/Ear Training II	1	Sp, Su	MUSC 1130; Coreq: MUSC 1120
MUSC 1300	Money & Creative Prof	1	F, Sp	
MUSC 1515	Basic Audio Production	3	F, Sp	
MUSC 1520	Intro MIDI/Elec Mus Comp	3	F, Sp	
MUSC 1530	Music Recording Tech	3	Sp	MUSC 1515
MUSC 1550	Musical Acoustics	3	F, Sp	Math proficiency usually demonstrated by successful completion of the QL requirement
PHYS 1010	Elementary Physics (PS)	3	F, Sp	

Two semesters of:

MUSC 2500	Music Production Group	4	A	MUSC 1060, 1530 or 1540 (total of 8 credits)

Four semesters of a Performance Ensemble
Qualifying courses include MUSC 1350, 1360, 1370, 1380, 1390, 1450, 1460, 1470 and 1480 – An audition may be required for specific ensembles (total of 4 credits)

ELECTIVE COURSES: (SELECT 10 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
MUSC 1050	Songwriting I	2	F, Sp	
MUSC 1060	Songwriting II	2	Sp, Su	MUSC 1050
MUSC 1510	Desktop Music Publishing	3	F, Sp	MUSC 1100 or equivalent proficiency (test given first day)
MUSC 1515	Basic Audio Production	3	F, Sp	
MUSC 1530	Music Recording Tech	3	Sp	MUSC 1515
MUSC 1550	Musical Acoustics	3	F, Sp	Math proficiency usually demonstrated by successful completion of the QL requirement
MUSC 2520	Music Scoring for Film	3	F	MUSC 1540
Private Vocal or Instrumental Lessons		1	A	Audition - Must be able to perform NYSSMA Grade Four literature at a minimum

Additional semester of a Performance Ensemble - qualifying courses include MUSC 1350, 1360, 1370, 1380, 1390, 1450, 1460, 1470 and 1480 – An audition may be required for specific ensembles

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
MUSC 0990	0	MUSC 0990	0
MUSC 1110	3	MUSC 1120	3
MUSC 1130	1	MUSC 1140	1
MUSC 1300	1	MUSC 1530	3
MUSC 1515	3	DISTRIBUTION	3
MUSC 1520	3	EN	3
ENSEMBLE	1	ENSEMBLE	1
QS	4		
Total	**17**	**Total**	**17**

FALL SEMESTER		SPRING SEMESTER	
MUSC 0990	0	MUSC 0990	0
MUSC 1550	3	MUSC 2500	4
MUSC 2500	4	ENSEMBLE	1
ENSEMBLE	1	ELEC	2-3
ELEC	2-3	ELEC	2-3
ELEC	2-3	HR	3
DISTRIBUTION	3	CM	3
PHYS 1010	3		
Total	**18-20**	**Total**	**15-17**

Advising Notes: It is recommended that students complete their distribution requirements by taking MUSC 1500 Music and Technology (which meets the Interdisciplinary distribution requirement) and one of the following: MUSC 1010 Introduction to Music, MUSC 1030 Survey of Jazz or MUSC 1040 U.S. Music & Culture (each of which meets the Fine Arts distribution requirement).

MUSIC RECORDING TECHNOLOGY – CERTIFICATE OF PROFICIENCY[CTE] 24 credits minimum

Communication and Performing Arts Department
South City Campus
General Information, (801) 957-4073
Program Information, (801) 957-4130
http://www.slcc.edu/performingarts
Academic Advisor, SCC W138, (801) 957-3361

Program Faculty:
Associate Professors – Lyle Archibald
Assistant Professors – Thomas Baggely, Craig Ferrin
Instructors – Steven Sue

NOTE: This program is pending approval by the Utah State Board of Regents. Students may apply for graduation in this program beginning Fall Semester 2012.

Program Description: This certificate program is part of the music program's participation in the college-wide "stackable credentials" initiative to create certificates that reflect student achievement even when students have not completed an entire degree program. This certificate represents the recording technology-only portion of a proposed Music Recording Technology AAS degree (meaning this certificate requires no additional musical training such as theory and no GE requirements that would be included in the AAS degree). The certificate represents proficiency working with digital audio recording equipment and related software applications (specifically digital audio workstations). A number of students are currently taking many of the classes which are a part of this certificate of completion, even though these courses are not a required part of any degree program. The creation of a certificate of completion will recognize their achievement in this area.

Career Opportunities: Students completing the certificate program will have received training that will help to prepare them to work as a recording engineer in a music recording studio and for freelance work as a sound designer for live concert productions. Students may also find freelance work in the allied fields of sound design/synthesis, film sound, songwriting, composition and arranging, although this certificate will not prepare them specifically for those jobs.

NOTE: This Certificate of Proficiency is **not** eligible for financial aid. However, courses within the certificate may be eligible if taken as part of a financial aid eligible program. Please check with the Financial Aid Office to determine if your classes are eligible.

Estimated Time to Completion: If students follow suggested sample schedule, completion time is two semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
Students will demonstrate the ability to work on all aspects of a music recording project, both recorded in a live performance setting and recorded in a controlled studio setting. These aspects include but are not limited to microphone placement, live sound mixing, tracking and final recording mixing and mastering.	1, 4
Students will demonstrate an understanding of the mathematics and science associated with basic electronics and instrumentation technology.	1, 3
Students will demonstrate an understanding of the mathematics and science associate with musical acoustics, especially as they relate to recording situations including but not limited to studio design, the acoustics of instruments and sound production and performance space acoustics that might affect live audio production.	1, 3
Students will demonstrate the ability to work in a collaborative team environment on professional-quality music projects for both musical and non-musical clients.	1, 2, 4

Students will demonstrate the appropriate entrepreneurial skills necessary for a freelance artist including but not limited to portfolio development, networking, promotion/marketing and basic business accounting.	1, 4

REQUIRED COURSES: (24 CREDITS)

COURSE		CR	SEM	PREREQUISITE
MUSC 1300	Money & Creative Prof	1	F, Sp	
MUSC 1510	Desktop Music Publishing	3	F, Sp	MUSC 1100 or equivalent proficiency (test given first day)
MUSC 1520	Intro MIDI/Elec Mus Comp	3	F, Sp	
MUSC 1530	Music Recording Tech	3	Sp	MUSC 1515
MUSC 1550	Musical Acoustics	3	F, Sp	Math proficiency usually demonstrated by successful completion of the QL requirement
PHYS 1010	Elementary Physics (PS)	3	F, Sp	
Two semesters of:				
MUSC 2500	Music Production Group	4	F, Sp	MUSC 1060 w/C grade or better, MUSC 1530 or 1540, or instructor permission

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
PHYS 1010	3	MUSC 1530	3
MUSC 1510	3	MUSC 1520	3
MUSC 1300	1	MUSC 1550	3
MUSC 2500	4	MUSC 2500	4
Total	**11**	**Total**	**13**

NON-DESTRUCTIVE TESTING – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 65 credits minimum

Aerospace/Aviation and Related Technologies Division
Westpointe Center
General Information, (801) 957-4073
Program Information, (801) 957-5853
http://www.slcc.edu/nondestructive
Academic Advisor, Taylorsville Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Instructors – Mark J Sabolik

Program Description: The non-destructive testing program offers students the opportunity for a career in a progressive new field with many diverse job opportunities and excellent entry-level salaries.

Non-destructive testing involves the examination of an object in any manner that will not impair its future usefulness. The six major NDT methods, radiography, ultrasonics, eddy current, magnetic particle, liquid penetrant and visual inspection, are used in a variety of industries including aerospace, petro-chemical, automotive, metals, non-metals, nuclear, marine, electronics, construction, aircraft, materials joining, utilities and many others. Students learn to perform the basic testing techniques on both metals and non-metals, such as synthetics and composites, as well as how to evaluate results and write final reports. Learning will be enhanced through field trips to area businesses and presentations by guest speakers.

During the first two semesters in NDT, the training will focus on basic manufacturing and materials-joining processes, including visual inspection, magnetic particles and liquid penetrant techniques. The third and fourth semesters will include eddy current, radiography and ultrasonics. The third and fourth semesters are dedicated to advanced study of these testing methods as well as computer application in NDT.

Career Opportunities: Currently the job market for NDT technicians is excellent. Employment can be obtained in a variety of industries. Because each testing method is unique, a technician can specialize in a specific method or work using all testing methods. Jobs are available both in-state and out-of-state. Technicians can work part time or full time depending on the type of work available. When you graduate you have met the requirements of a Level II technician. You will need to obtain on-the-job work experience in order to fulfill the hours required to become certified in each NDT method. These hours will vary depending on the method.

Level I - $12 to $15 per hour
Level II - $15 to $25 per hour
Level III - $20 to $75 per hour

Many Level IIIs work in research & development, as supervisors or develop and write procedures.

Transfer/Articulation Information: Students who earn an AAS degree in Non-Destructive Testing Technology have the option to transfer into the Technology Management Bachelor Degree at Utah Valley University. UVU will accept up to 45 technical credits towards this degree. Contact the University Center for current information: www.slcc.edu/universitycenter/programs or call (801) 957-4824

Program Entry Requirements: Students may start this program Fall or Spring semester. For information on getting started, please visit http://www.slcc.edu/gettingstarted/index.asp

Total Program/Course Fees: $60.00

Estimated Cost for Students:

Tuition per semester: http://www.slcc.edu/cashiering/tuitionfees.asp
Books and Supplies: $350

Estimated Time to Completion: If students follow suggested sample schedule, completion time is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
Students will demonstrate knowledge to pass a general, specific, and practical examination meeting ASNT-TC-1A standards	1 – Substantive Knowledge
Students will demonstrate effective oral communication with proper Nondestructive Testing terminology.	2 – Communicate Effectively
Students will be able to apply reasoning and interpret information represented on data, graphs, and/or tables used in Nondestructive Testing.	3 – Develop Quantitative Literacies
Students will be able to apply Nondestructive Testing knowledge to effectively utilize problem solving skills as it relates to the operation of equipment used in industry.	4 – Think Critically
Students will be able to engage and interact as a team in a learning environment to develop skills which relate to the safe operation in the Nondestructive Testing industry standards.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 3-4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Intermed Algebra	4	A	RDG 0900; within the past year, MATH 0990 w/C grade or better or appropriate Accuplacer score
OR				
MATH 1030	Quant Reasoning	3	A	Within the past year, MATH 1010 w/C grade or better or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem Effect Comm	3	A	

HUMAN RELATIONS (HR) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
LE 1220	Human Relat-Career Dev	3	A	

DISTRIBUTION AREAS: (3 CREDITS)

Choose an additional three credits from one of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (50 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade
NDT 1110	Intro to NDT	3	TBA	
NDT 1114	Ultrasonics I	3	TBA	Coreq: NDT 1115
NDT 1115	Ultrasonics I Lab	1	TBA	Coreq: NDT 1114
NDT 1120	Magnetic Particle	2	TBA	Coreq: NDT 1121
NDT 1121	Magnetic Particle Lab	1	TBA	Coreq: NDT 1120
NDT 1122	Eddy Current I	3	TBA	Coreq: NDT 1123
NDT 1123	Eddy Current I Lab	1	TBA	Coreq: NDT 1122
NDT 1130	Radiation Safety	3	TBA	

NDT 1132	Radiography I	3	TBA	NDT 1130 Coreq: NDT 1133
NDT 1133	Radiography I Lab	1	TBA	Coreq: NDT 1132
NDT 1210	Liquid Pntrnt I & II	2	TBA	Coreq: NDT 1211
NDT 1211	Liquid Penetrant Lab	1	TBA	Coreq: NDT 1210
NDT 1213	Ultrasonics II	3	TBA	Coreq: NDT 1210
NDT 1214	Ultrasonics II Lb	1	TBA	Coreq: NDT 1213
NDT 1222	Eddy Current II	3	TBA	NDT 1122 and NDT 1123 Coreq: NDT 1223
NDT 1223	Eddy Current II Lab	1	TBA	Coreq: NDT 1222
NDT 1230	Codes & Proced	2	TBA	Instructor approval
NDT 1232	Radiography II	3	TBA	NDT 1132 and NDT 1133 Coreq: NDT 1233
NDT 1233	Radiography II L	1	TBA	Coreq: NDT 1232
NDT 1234	Adv NDT Concp	3	TBA	Instructor approval
WLD 1005	Related Welding	3	A	
WLD 1260	Blueprnt Wldng	3	F	

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
NDT 1110	3	NDT 1122	3
NDT 1114	3	NDT 1123	1
NDT 1115	1	NDT 1130	3
NDT 1120	2	NDT 1132	3
NDT 1121	1	NDT 1133	1
COMM 1010	3	ENGL 1010	3
LE 1220	3	MATH 1120/1030	3-4
Total	**16**	**Total**	**17-18**
FALL SEMESTER		**SPRING SEMESTER**	
NDT 1210	2	NDT 1222	3
NDT 1211	1	NDT 1223	1
NDT 1213	3	NDT 1232	3
NDT 1214	1	NDT 1233	1
NDT 1230	2	NDT 1234	3
WLD 1005	3	DISTRIBUTION	3
WLD 1260	3		
ENGL 2100	3		
Total	**18**	**Total**	**14**

Advising Notes: Students will need basic reading and math skills. Students who need to take preparatory classes to meet the requirements of the first semester courses should plan on extra time to complete the program.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

NURSING - ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 72 credits minimum

Nursing Division
Jordan Campus General Information, (801) 957-4073
Division Office, (801) 957-6260
http://www.slcc.edu/nursing
Academic Advising, JHS 047, (801) 957- 6215
Health Science Admissions, JHS 047, (801) 957-6363

Program Faculty:
Professors – Georgia Anderson, Susan Labasky, Peggy Stevens, Donna Thompson
Associate Professors – Beverly Anderson, Jennie Barnes, Andrea Crittenden, Russell Shipley, Barbara Stencel
Assistant Professors– Kim Dumas, Debora Jackson, Jane Jensen, Kathleen Jewkes, Caitlin Mackenna, Kristi Miller, Diane Moss, Donna Murphy, Lori Norton, Sarah Pacheco Julie Rowsey, Carol Whitesides
Instructors – Jololene Allan, Betsy Christopher, Deborah Smith

Program Description: The nursing program is a two-year curriculum. Successful completion entitles the student to an Associate of Applied Science Degree (AAS). Completing the Associate of Science Degree (AS) requirements outlined under HEALTH SCIENCES will help position the students to transfer to a four-year institution for completion of a Bachelor of Science degree in Nursing.

Specialized Accreditation: The Salt Lake Community College Associate of Applied Science degree is approved by the Utah State Board of Nursing and accredited by the National League for Nursing Accrediting Commission, NLNAC, 3343 Peachtree Rd. NE, Suite 850, Atlanta, GA 30326, Phone (404) 975-5000, http://www.nlnac.org.

The program provides both general and technical education for continuing nursing students and for practical nurses to earn an Associate of Applied Science Degree in Registered Nursing.

Specific information will be given to accepted students by program faculty regarding testing sites that have been approved by SLCC for both drug-screening test and criminal background check. The expenses of these requirements are additional student costs.

The clinical placement agencies make the final determination about accepting students for placement in their facility, and may decline to have students placed at their facility, based on the criminal background record of the student. The latter may cause the student not to be able to complete all of the program requirements.

In addition, it will be the responsibility of the student to contact the licensing agency and seek advice regarding eligibility for licensure and requirements needed to progress in this profession, if the criminal background check discloses issues of concern.

For students who choose to complete their LPN licensure, the Program offers an LPN transition course (NSG 1800/1805) at the completion of the first year.

The nursing program faculty believe that didactic and clinical are integrated. The didactic informs clinical practice and clinical practice informs the didactic for corresponding courses. Therefore, any student failing clinical will receive no better than a “C” grade in the corresponding didactic course. Any student earning below a “C+” in didactic will receive no better than a “C” grade in the corresponding clinical course. In the event that either didactic or clinical are not passed with a “C+” or better, both corresponding didactic and clinical courses will have to be repeated concurrently.

Students accepted into the nursing program must meet the same health and safety requirements as the participating clinical facilities require of their own employees

Program Entry Requirements:

ADMISION PROCESS
Applicants are admitted into the nursing program without discrimination or harassment based on beliefs, sex, national origin, age, pregnancy, or marital status. Students with disabilities can be admitted to the nursing program if they can meet nursing program performance objectives with reasonable accommodations.

1. Be admitted to SLCC as a matriculated student declaring a major in Health Sciences with an emphasis in pre-nursing.
2. High School Graduate or equivalent.
3. For transfer credit, submit OFFICIAL, SEALED transcripts for ALL colleges and universities where prerequisite course work has been completed. Send to:

   SLCC Incoming Transcripts
   4600 South Redwood Road
   P.O Box 30808
   Salt Lake City, UT 84130-0808
4. Also, a request to have an OFFICIAL evaluation of student's transcript must be submitted to the SLCC Incoming Transcript Office. The form is located at http://www.slcc.edu/transcriptevaluation/docs/Transfer_Credits_To_SLCC_Form.pdf This process may take 4-6 weeks and must be completed before a student's application will be considered.
5. Program course prerequisites are as follows (all must be completed with a C or better):
   a. MATH 1020: Math for the Health Disciplines (This math course meets the General Education requirements for AAS degree students. Students seeking an AS degree or transferring for BSN completion will require additional math classes).
   b. BIOL 1610/1615: College Biology I and Lab
   c. BIOL 2320/2325: Human Anatomy and Lab
   d. BIOL 2420/2425: Human Physiology and Lab
   e. CHEM 1110/1115: Elementary Chemistry and Lab
6. Submit completed application and required documentation to the Health Sciences Admissions Office, according to dates listed below.
7. Elsevier HESI Admissions Assessment (A2 Exam). The SLCC nursing program utilizes the Elsevier HESI Admissions Assessment (A2 Exam). The A2 Exam is specifically designed to assess the academic and personal readiness of prospective students in the areas of Biology, Anatomy and Physiology, Math, English and Learning Styles as they relate to nursing education. A minimum of 75% must be achieved in each area.
   a. **The SLCC Nursing Division will not accept other versions of the A2 exam from other institutions. This test must be taken within one year (1) of application**. Contact the Health Sciences Assessment Center at 801-957-6220 to schedule the A2 Exam.
   b. The exam will be in two parts.
      i. Part one (1): Biology, Anatomy and Physiology, Math
      ii. Part two (2): English and Learning Style
   c. It is recommended that if students are not successful after the 1st attempt on the Elsevier HESI Admissions Assessment (A2 Exam) that they remediate.
   d. After the 1st attempt we recommend retake at 4 weeks, but will allow retake at 2 weeks (students must show proof of remediation after the 1st attempt).
   e. The scoring of points will be based upon individual scores in each area, not a composite.

   If a student does not meet the benchmark in each individual area he/she will have to re-take the entire exam.

8. Students must provide documentation of a Nursing Assistant Certification (CNA). Submit documentation to Enrollment Services. Send to:

   SLCC Incoming Transcripts
   4600 South Redwood Road
   P.O Box 30808
   Salt Lake City, UT 84130-0808
9. Required support courses (these courses are not required upon application, but must be completed before the start of the 3rd semester of the SLCC Nursing Program with a C or better). Students are strongly encouraged to complete these courses prior to starting any technical coursework:
   a. ENGL 1010: Introduction to Writing
   b. HLTH 1020: Foundations of Nutrition
   c. PSY 1100: Human Growth and Development
      or
      FHS 1500: Life Span Human Development
10. Application deadlines:
    Spring admission=April 1st - June 15th
    Fall admission=December 1st - February 15th

ADMISSIONS PREREQUISITES

The following courses must be completed before beginning the nursing program. Courses must be completed with a C grade or better.

COURSE		CR	SEM	PREREQUISITE
BIOL 1610	College Biology I	4	A	MATH 0990 or MATH 1020 w/C grade or better or appropriate Accuplacer score AND RDG 0990 w/C grade or better or appropriate Accuplacer score. Coreq: BIOL 1615
BIOL 1615	College Biology I Lab	0	A	Coreq: BIOL 1610
BIOL 2320	Human Anatomy	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 2325
BIOL 2325	Human Anatomy Lab	0	A	Coreq: BIOL 2320
BIOL 2420	Human Physiology	4	A	BIOL 1610 w/C grade or better AND CHEM 1110. Coreq: BIOL 2425
BIOL 2425	Human Physiology Lab	0	A	Coreq: BIOL 2420
MATH 1020	Math-Health Disc	3	A	RDG 0990; MATH 0920 or MATH 0950 w/C grade or better or appropriate Accuplacer score
CHEM 1110	Elem Chemistry	4	F, Sp	MATH 1010 or appropriate Accuplacer score (MATH 1020 for Nursing). Recommended Coreq: CHEM 1115
CHEM 1115	Elem Chemistry Lab	1	F, Sp	MATH 1010 or appropriate Accuplacer score (MATH 1020 for Nursing). Recommended Coreq: CHEM 1110

IMMUNIZATION / CPR / DRUG TESTING / BACKGROUND REQUIREMENTS

Prior to beginning the first semester, nursing majors must provide proof of the following:

- Annual Influenza vaccination (September-February) is **required**. Students must provide proof of the Influenza vaccination.
- Tetanus, Diphtheria and Pertussis (Tdap) booster needed; good for 10 years. Td will be given subsequent to Tdap. If it has been more than 1 1/2 years since receiving Td, students must have their tetanus updated with a Tdap.
- Measles, Mumps, Rubella (MMR) 2 doses are needed or positive titres on all three. Usually the first dose is given at infancy and the second at preschool. Two (2) doses of MMR are required or proof of **positive MMR titres** (all three). Equivocal results are not acceptable. Students must test in the positive range. (Titres: a positive test result means a student has immunity). Note: If given to adult females, since this is a live virus, students cannot be pregnant at the time they receive the immunization and must avoid pregnancy for 3 months after administration.
- Varicella (Chicken Pox): Two immunizations or proof of a positive titre. Stating had disease is not acceptable. Varicella immunizations are expensive, if students have had the disease they may want to start with a less expensive titre first for proof of immunity before starting the immunizations.
- Hepatitis B vaccination series – Students must provide proof of 3 traditional dose series or an accelerated Twin RX series. The first 2 doses must be completed prior to beginning of the Nursing program or proof of positive immunity (TITRE). **The entire series must be completed within one year of starting the nursing program.**
- Hepatitis A vaccination series – two dose series, Twin Rx series, or positive TITRE. Highly recommended. If students start the series they must complete it.
- The two-step PPD test (tuberculosis skin test) followed each year with a one-step is required in the nursing program. The 2nd placement and reading (2nd step) must be within 1 year of the 1st placement and reading (1st step). If you have a previous positive PPD test, you will be required to get an annual risk assessment for Tuberculosis disease and at least one chest x-ray within 6 months of beginning the SLCC Nursing program demonstrating no active disease.
- Current CPR certification – American Heart Association Health Care Provider or American Red Cross two-year Health Care Provider.
- Specific information will be given to accepted students by program faculty regarding testing sites that have been approved by SLCC for both drug-screening test and criminal background check. The expenses of these requirements are additional student costs.

The clinical placement agencies make the final determination about accepting students for placement in their facility, and may decline to have students placed at their facility, based on the criminal background record of the student. The latter may cause the student not to be able to complete all of the program requirements.

In addition, it will be the responsibility of the student to contact the licensing agency and seek advice regarding eligibility for licensure and requirements needed to progress in this profession, if the criminal background check discloses issues of concern.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1. Graduates will know how to render safe and effective care.	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy

	4 – Think Critically 5 – Civic Engagement and/or Working Professionally
2. Graduates will know how to promote and maintain health	1, 2, 4, 5
3. Graduates will understand foundational principles of psychosocial integrity.	1, 2, 4, 5
4.Graduates will understand the principles of physiological integrity	1, 2, 4, 5
5. Graduates will be employed in the nursing in the nursing field within six months of graduation.	2, 4, 5
6. Graduates will successfully pass the RN N-CLEX with their first attempt.	1, 3, 4, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1020	Math-Health Disc	3	A	RDG 0990; MATH 0920 or MATH 0950 w/C grade or better or appropriate Accuplacer score

COMMUNICATION (CM)

The philosophy of the Nursing Program contains communication as a curriculum thread. Courses integrate communication into content presented in the classroom and clinical settings. Students learn basic communication skills in the beginning level courses. Additional content is added with each course, including group dynamics, group communication, therapeutic and non-therapeutic patterns of communication.

HUMAN RELATIONS (HR)

Human Relations training is embedded within the Nursing curriculum. Human needs and interpersonal relationships are constant with each patient/nurse relationship and are threaded throughout the nursing curriculum.

DISTRIBUTION AREAS

Required distribution credits are fulfilled by completing courses required throughout the Nursing curriculum.

REQUIRED COURSES: (72 CREDITS)

COURSE		CR	SEM	PREREQUISITE
BIOL 1610	College Biology I	4	A	MATH 0990 w/C grade or better, or appropriate Accuplacer score AND RDG 0990 w/C grade or better, or appropriate Accuplacer score. Coreq: BIOL 1615
BIOL 1615	College Biology I Lab			Coreq: BIOL 1610
BIOL 2320	Human Anatomy	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 2325
BIOL 2325	Human Anatomy Lab	0	A	Coreq: BIOL 2320
BIOL 2420	Human Physiology	4	A	BIOL 1610 w/C grade or better AND CHEM 1110. Coreq: BIOL 2425
BIOL 2425	Human Physiology Lab	0	A	Coreq: BIOL 2420
CHEM 1110	Elem Chemistry	4	F, Sp	MATH 1010 or appropriate Accuplacer score (MATH 1020 for Nursing). Recommended Coreq: CHEM 1115
CHEM 1115	Elem Chemistry Lab	1	F, Sp	MATH 1010 or appropriate Accuplacer score (MATH 1020 for Nursing). Recommended Coreq: CHEM 1110
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
HLTH 1020	Foundations of Nutrition	3	A	
MATH 1020	Math-Health Disc	3	A	RDG 0990; MATH 0920 or MATH 0950 w/C grade or better or appropriate Accuplacer score
PSY 1100	Human Growth/Dev	3	A	
OR				
FHS 1500	Life Span Human Dev	3	A	

NSG 1250	Pharmacology I	2	F, Sp	Completion of Nursing Program prerequisite courses and admission to the program per established curriculum plan
NSG 1350	Fundamentals of NSG	4	F, Sp	Completion of Nursing Program prerequisite courses and admission to the program per established curriculum plan. Coreq: 1355
NSG 1355	Fundamentals of NSG Clinical	2	F, Sp	Completion of Nursing Program prerequisite courses and admission to the program per established curriculum plan. Coreq: 1350
NSG 1400	Maternal/Newborn	2	F, Sp	Completion of prior semester courses per established curriculum plan. Coreq: NSG 1405
NSG 1405	Maternal/Newborn Clinical	1	F, Sp	Completion of prior semester courses per established curriculum plan. Coreq: NSG 1400
NSG 1500	NSG Care of Children	2	F, Sp	Completion of prior semester courses per established curriculum plan. Coreq: NSG 1505
NSG 1505	NSG Care Children Clinical	.5	F, Sp	Completion of prior semester courses per established curriculum plan. Coreq: NSG 1500
NSG 1700	Med/Surge NSG I	4	F, Sp	Completion of prior semester courses per established curriculum plan. Coreq: NSG 1705
NSG 1705	Med/Surge NSG I Clinical	2	F, Sp	Completion of prior semester courses per established curriculum plan. Coreq: NSG 1700
NSG 2200	Med/Surge NSG II	4	F, Sp	Completion of prior semester courses per established curriculum plan. Coreq: NSG 2205
NSG 2205	Med/Surge NSG II Clinical	2	F, Sp	Completion of prior semester courses per established curriculum plan. Coreq: NSG 2200
NSG 2250	Pharmacology II	2	F, Sp	Completion of prior semester courses per established curriculum plan.
NSG 2300	Community Nursing	2	F, Sp	Completion of prior semester courses per established curriculum plan. Coreq: NSG 2305
NSG 2305	Community Nurse Clinical	1	F, Sp	Completion of prior semester courses per established curriculum plan. Coreq: NSG 2300
NSG 2400	Med/Surg NSG III	3	F, Sp	Completion of prior semester courses per established curriculum plan. Coreq: NSG 2405
NSG 2405	Med/Surg NSG III Clinical	1	F, Sp	Completion of prior semester courses per established curriculum plan. Coreq: NSG 2400
NSG 2600	Mental Health NSG	2	F, Sp	Completion of prior semester courses per established curriculum plan. Coreq: NSG 2605
NSG 2605	Mental Health NSG Clinical	1	F, Sp	Completion of prior semester courses per established curriculum plan. Coreq: NSG 2600
NSG 2900	Pathophysiology	4	F, Sp	Completion of Nursing Program prerequisite courses

ELECTIVE COURSES:

COURSE		CR	SEM	PREREQUISITE
NSG 1800	Transition to Prac Nursing	2	F, Sp	Completion of first year Nursing
NSG 1805	Transition Pr Nurse Clinical	1	F, Sp	Completion of first year Nursing
NSG 1990	Independent Study	1-5	F, Sp	Actively enrolled in the Nursing Program
NSG 2990	Independent Study 2nd yr	1-5	F, Sp	Actively enrolled in the Nursing Program

TRANSTITIONAL COURSE REQUIRED FOR ADVANCED PLACEMENT STUDENTS

COURSE		CR	SEM	PREREQUISITE
NSG 1900	Transition to AS Nursing	1	F, Sp	Completion of first year Nursing

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
MATH 1020	3	BIOL 2320/2325	4
BIOL 1610/1615	4	CHEM 1110	4
ENGL 1010	3	CHEM 1115	1
Total	**10**	**Total**	**9**
SUMMER SEMESTER			
BIOL 2420/2425	4		
PSY1100/FHS 1500	3		
HLTH 1020	3		
Total	**10**		
FALL SEMESTER		**SPRING SEMESTER**	
NSG 1350	4	NSG 1400	2
NSG 1355	2	NSG 1405	1
NSG 1250	2	NSG 1500	2
NSG 2900	4	NSG 1505	0.5
		NSG 1700	4
		NSG 1705	2
Total	**12**	**Total**	**11.5**
FIRST YEAR NURSING COMPETENCY EXAM			
FALL SEMESTER		**SPRING SEMESTER**	
NSG 2200	4	NSG 2300	2
NSG 2205	2	NSG 2305	1
NSG 2250	2	NSG 2400	3
NSG 2600	2	NSG 2405	1
NSG 2605	1	NSG 2500	1.5
Total	**11**	**Total**	**8.5**
SECOND YEAR NURSING COMPETENCY EXAM			

To maintain a position in the program after staring nursing courses, students must be continually enrolled and complete all core nursing courses in sequence, as well as maintain a grade of C+ or better in all courses.

Successful completion of the Competency Exams is a program and graduation requirement.

ADVANCED PLACEMENT ADMISSIONS PROCESS (LPN TO RN)

The program also offers an Advanced Placement option. This is for students who have completed a practical nursing program and are licensed as a practical nurse in Utah. The following admission criteria must be met before the applicant will be accepted into the program.

1. Be admitted to SLCC as a matriculated student declaring a major in Health Sciences with an emphasis in pre-nursing.
2. High School Graduate or equivalent.
3. For transfer credit, submit OFFICIAL, SEALED transcripts for ALL colleges and universities where prerequisite course work has been completed. Send to:
   SLCC Incoming Transcripts
   4600 South Redwood Road
   P.O Box 30808
   Salt Lake City, UT 84130-0808
4. Also, a request to have an OFFICIAL evaluation of student's transcript must be submitted to the SLCC Incoming Transcript Office. The form is located at http://www.slcc.edu/transcriptevaluation/docs/Transfer_Credits_To_SLCC_Form.pdf This process may take 4-6 weeks and must be completed before a student's application will be considered.
5. All general education and science support classes must have a "C" or better.

COURSE		CR	SEM	PREREQUISITE
BIOL 1610	College Biology I	4	A	MATH 0900 wC grade or better or appropriate Accuplacer score AND RDG 0990 w/C grade or better or appropriate Accuplacer score. Coreq: BIOL 1615
BIOL 1615	College Biology I Lab	0	A	Coreq: BIOL 1610
BIOL 2320	Human Anatomy	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 2325
BIOL 2325	Human Anatomy Lab			
BIOL 2420	Human Physiology	4	A	BIOL 1610 w/C grade or better AND CHEM 1110. Coreq: BIOL 2425
BIOL 2425	Human Physiology Lab			
CHEM 1110	Elem Chemistry	4	F, Sp	MATH 1010 or appropriate Accuplacer score (MATH 1020 for Nursing). Recommended Coreq: CHEM 1115
CHEM 1115	Elem Chemistry Lab	1	F, Sp	MATH 1010 or appropriate Accuplacer score (MATH 1020 for Nursing). Recommended Coreq: CHEM 1110
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
HLTH 1020	Foundations of Nutrition	3	A	
MATH 1020	Math-Health Disc	3	A	RDG 0990; MATH 0920 or MATH 0950 w/C grade or better or appropriate Accuplacer score
PSY 1100	Human Growth/Dev	3	A	
OR				
FHS 1500	Life Span Human Dev	3	A	

6. Complete Pathophysiology (NSG 2900) with at least C+ or better.
7. Copy of current LPN License.

   SLCC retains the right to re-evaluate or retest students coming from non-NLNAC accredited programs and nursing programs that differ from SLCC.
8. Elsevier HESI Admissions Assessment (A2 Exam). The A2 Exam is specifically designed to assess the academic and personal readiness of prospective students in the areas of Biology, Anatomy and Physiology, Math, English, Critical Thinking and Learning Styles as they relate to nursing education. A minimum of 75% must be achieved in each area.
   a. **<u>The SLCC Nursing Division will not accept other versions of the A2 exam from other institutions. This test must be taken within one year (1) of application.</u>** Contact the Health Sciences Assessment Center at 801-957-6220 to schedule the A2 Exam.
   b. The exam will be in two parts.
      i. Part one (1): Biology, Anatomy and Physiology, Math, Critical Thinking
      ii. Part two (2): English and Learning Style
   c. It is recommended that if students are not successful after the 1st attempt on the Elsevier HESI Admissions Assessment (A2 Exam) that they remediate.
   d. After the 1st attempt we recommend retake at 4 weeks, but will allow retake at 2 weeks (students must show proof of remediation after the 1st attempt).
   e. The scoring of points will be based upon individual scores in each area not a composite.

   <u>If a student does not meet the benchmark in each individual area he/she will have to re-take the entire exam.</u>
9. Elsevier HESI LPN Comprehensive Exam is a comprehensive exam administered to LPN's who are transitioning to an associate-degree nursing program leading to an RN licensure. Student performance reflects knowledge of basic nursing content that the LPN mobility students encounter in ADN programs. It also provides an objective measure of the LPN's current critical thinking ability within the domain of nursing. A minimum of 75% must be achieved.
   a. **<u>The SLCC Nursing Division will not accept other versions of the Elsevier HESI LPN Comprehensive exam from other institutions. This test must be taken within one year (1) of application</u>**. Contact the Health Sciences Assessment Center at 801-957-6220 to schedule the Exam.
   b. It is recommended that if students are not successful after the 1st attempt on the Elsevier HESI LPN Comprehensive exam that they remediate.
   c. After the 1st attempt we recommend retake at 4 weeks, but will allow retake at 2 weeks (students must show proof of remediation after the 1st attempt).
10. Application deadlines:

    Spring admission= April 1st - June 15th

    Fall admission= December 1st - February 15th

Transfer/Articulation Information:

RN-BS: UNIVERSITY OF UTAH
The University of Utah offers a Nursing Bachelor's degree via an internet program for former SLCC students who have completed their Associate of Science in Health Science with an RN emphasis. Students may apply for this option via the U of Utah College of Nursing (CON).

- We strongly encourage interested students to consult with either the SLCC RN program advisor, Deron Hutchinson, at (801) 957-6215 or a University Center academic advisor at (801) 957-4734.
- For further information and requirements see the University Center website at www.slcc.edu/universitycenter

Students who anticipate transferring to a four year institution in pursuit of a (BSN) Bachelors of Science in Nursing should also refer to the Associate of Science degree in Health Sciences w/Nursing Option. These students should also consult with an Academic Advisor for assistance with planning.

OCCUPATIONAL THERAPY ASSISTANT – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 74 credits including prerequisites

Allied Health Division
Jordan Campus, JCHSC 059A
Program Information, (801) 957-6215
http://www.slcc.edu/ota
Academic Advising, JHS 047, (801) 957- 6407
Health Science Admissions, JHS 047, (801) 957-6253

Program Faculty:
Associate Professors – Brenda Lyman
Instructors – Barb Kloetzke

Program Description: The Program Occupational Therapy is a health profession that provides services to children and adults of all ages whose lives have been disrupted by physical injury or illness, developmental problems, the aging process and/or psychosocial dysfunction. Occupational Therapy Assistants use occupation and purposeful activity with clients/patients to help them reach their maximum level of independence.

Specific tasks may include daily living skill training, fabrication of adaptive equipment, leading individual and group treatment activities, adapting home environments, ADA architectural accessibility standards, enabling computer access for the disabled, cognitive retraining, improving development of gross/fine motor skills and activities that enhance quality of life. Graduates will receive an Associate of Applied Science degree after successful completion of academic and fieldwork experiences.

The Occupational Therapy Assistant program is an engaged service learning program. Service learning requirements are embedded in coursework. Students are required to spend 150 hours or more involved in service learning which may be outside of scheduled course times. Students may be required to attend conferences and out-of-state activities. The expenses of these requirements are additional student costs. Students with a "B" average or higher will graduate as civically engaged scholars.

Career Opportunities: Work settings includes acute care hospitals, rehabilitation centers, psychiatric hospitals, community living facilities, home health agencies, community mental health centers, school systems, nursing homes, burn centers and rehabilitation clinics. Practice areas include: children and youth, health and wellness, mental health, productive aging, rehabilitation, disability and participation, work and industry and emerging practice areas. COTAs work under the supervision of licensed, occupational therapists.

Transfer/Articulation Information: Students who are transferring credits from other institutions, Advanced Placement (AP) or College Level Examination Program (CLEP) scores should submit them to SLCC's Incoming Transcripts Office and submit the form, "Request for Evaluation of Transfer Credits. For more information, log on to http://www.slcc.edu/transcriptevaluation. Transfer evaluation may take up to six weeks to complete. All transfer credits, AP and CLEP scores must be posted before submitting the Health Sciences Admission Application. It is highly recommended that students meet with the Health Sciences advisor upon completion of the evaluation process to review transfer credits, AP and CLEP scores.

Program Entry Requirements:

ADMISSIONS PROCESS

1. All new students or students who have not attended in the past two years should apply or reapply college admission as a matriculated (degree-seeking) student.
2. Declare a major in Health Sciences, Pre-Occupational Therapy Assistant on SLCC application OR change major in MyPage.
3. Submit the Health Sciences application with the required documents to the Health Sciences Admission Office. For more detailed information see http://www.slcc.edu/hs/admissions/index.asp.

APPLICATION REQUIREMENTS (Admission Closing Date 2013)

1. Completed Application Packet for Program.
2. HESI (Health Education Systems, Incorporated) A2 exam.
3. Proof of Immunizations and CPR Health Care Provider certification with AED, First Aid; must be included with application.

4. Background check through SLCC's authorized vendor. In addition, it will *be the responsibility of the student to contact the licensing board and seek advice regarding eligibility for licensure and requirements needed to progress in this profession, if the criminal background check discloses issues of concern.*
5. Complete 25 hours of community service and submit one letter of recommendation.
6. Complete proctored essay after admissions prerequisite courses and the additional admissions criteria are verified.

NOTE: See program website for detailed information: http://www.slcc.edu/ota/index.asp

PROGRAM COURSE PREREQUISITES

MATH QUALIFICATIONS (one of the following)

- *Accuplacer* college level math score of 43 *(valid for 1 year)*
- ACT math score of 23 (*valid for 1 year)*
- MATH 1010 *(C grade or better)*

ENGLISH QUALIFICATIONS (one of the following)

- AP English credit *(must be listed on SLCC transcript)*
- CLEP English credit *(must be listed on SLCC Transcript)*
- ENGL 1010 Introduction to Writing *(C grade or better)*

HUMAN ANATOMY

- BIOL 2320-2325 *(B grade or better within the past 5 years)*

COMMUNICATIONS

- COMM 1010 *(C grade or better)* Students must complete COMM 1010; no course substitutions will be allowed

HUMAN GROWTH AND DEVELOPMENT

- PSY 1100 *(C grade or better)*

INTRODUCTION TO OCCUPATIONAL THERAPY

- OTA 1020 *(B grade or better; can only be taken twice)*

RECOMMENDED BUT NOT REQUIRED – MEDICAL ASSISTANT

- MA 1100 (*C grade or better)*

NOTE: It is the student's responsibility to examine each course description for details of prerequisite classes. Prerequisites must be satisfied before the designated class is taken. Successful completion of all prerequisite classes is required before admission to the program.

IMMUNIZATION AED/CPR/DRUG TESTING/BACKGROUND REQUIREMENTS

- PPD (tuberculosis skin test)
- Tetanus, Diphtheria and Pertussis (Tdap)
- Measles, Mumps, Rubella (MMR)
- Varicella (Chicken Pox)
- Hepatitis B vaccination series
- Hepatitis A vaccination series
- AED and CPR, Health Care Provider
- Drug Testing, student will be notified
- Completed Background via SLCC vendor

NOTE: See program website for detailed information on immunizations, drug testing and criminal background check and AED/CPR/First Aid in relationship to fieldwork and future certification, licensure and employment. http://www.slcc.edu/ota/index.asp.

Course Fees: Approximately costs $ 250

Estimated Cost for Students: Estimated Cost of Core Curriculum for Resident Students: $6000 (does not include student fees)

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is five semesters

Specialized Accreditation: This program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE), 4720 Montgomery Lane, P.O. Box 31220, Bethesda, MD 20814-3425, (301) 652-2682, (301) 652-7711 (FAX), (800) 377-8555 (TTY). Graduates will be prepared to take the national certification examination administered by the National Board for

Certification in Occupational Therapy, Inc. (NBCOT). After successful completion of the exam, the individual will be a certified occupational therapy assistant (COTA) and eligible for state licensure, which is required to practice in Utah. Students with a history of a misdemeanor or felony may not be eligible for fieldwork placements, service learning requirements, state licensure or national certification and should contact the program coordinator before enrolling in classes.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1. Graduates will acquire substantial foundational knowledge of the profession.	1
2. Graduates will acquire substantial therapy skills.	1, 2, 4
3. The program graduates will pass the National Board Certification of Occupational Therapy occupational therapy assistant examination.	1, 4
4. Graduates with certifications will obtain employment in occupational therapy or their chosen field.	1, 2, 4
5. Employers will report that our graduates are competent at their jobs.	1, 2, 3, 4, 5
6. The program graduates will be effective in verbal, written, and non-verbal communicators with patients, peers, and others.	2
7. The program graduates will display quantitative literacy necessary for gainful employment in occupational therapy.	3
8. Graduates will exhibit behaviors consistent with showing respect for diversity.	4
9. Graduates will actively participate in service learning projects.	5

REQUIRED PREREQUISITE COURSES: (19 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
MATH 1010	Intermed Algebra	4	A	RDG 0900; and within the last year MATH 0990 w/C grade of better or appropriate Accuplacer score
BIOL 2320	Human Anatomy	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 2325
BIOL 2325	Human Anatomy Lab	0	A	Coreq: BIOL 2320
COMM 1010	Elem Effective Comm	3	A	
PSY 1100	Human Growth & Dev	3	A	
OTA 1020	Intro Occupational Thrpy	2		

NOTE: Students must complete COMM 1010. No course substitutions will be allowed.

REQUIRED PROGRAM COURSES: (55 CREDITS)

COURSE		CR	SEM	PREREQUISITE
OTA 1100	Functional Anatomy	3		OTA 1020 and acceptance into the OTA Program
OTA 1105	Functional Anatomy Lab	1		OTA 1020 and acceptance into the OTA Program
OTA 1120	OT Modalities I Lec	2		OTA 1020.
OTA 1130	OT Modalities I Lec/Lab	1		OTA 1020. Coreq: OTA 1120
OTA 1140	Physical Dysfunc Lec	3		OTA 1020
OTA 1150	Physical Dysfunc Lab	1		OTA 1020
OTA 1170	Phys Dysfunc Field Wk I	2		OTA 1020
OTA 1180	OT Domain & Process	2		OTA 1020
OTA 1210	OT Profess Issues I	2		OTA 1170
OTA 1220	OT Modalities II Lec	2		OTA 1120 and 1130
OTA 1230	OT Modalities II Lec/Lab	1		OTA 1120 and 1130. Coreq: OTA 1220
OTA 1240	Physical Dysfunction II	3		OTA 1100, 1110, 1140 and 1150. Coreq: OTA 1250
OTA 1250	Physical Dysfunc II Lab	1		OTA 1100, 1110, 1140 and 1150. Coreq: OTA 1240
OTA 1270	Pediatric FW Exper	2		OTA 1170
OTA 1280	Pediatric/Adoles Lec	3		OTA 1100 and 1110
OTA 1290	Pediatric/Adoles Lec	1		OTA 1100 and 1110
OTA 2310	OT Profess Issues II	2		OTA 1210
OTA 2320	OT Modalities III Lec	2		OTA 1220 and 1230
OTA 2330	OT Modalities III Lec/Lab	1		OTA 1220 and 1230. Coreq: OTA 2320, 2340 and 2350

OTA 2340	Psychosocial Behavior	3	OTA 1140 and 1280
OTA 2350	Geriatrics	3	OTA 1140 and 1240
OTA 2380	Psy/Soc Geriat FW I Exp	2	OTA 1170 and 1270
OTA 2450	Fieldwork Exper II Pt 1	6	OTA 1170, 1270 and 2380
OTA 2460	Fieldwork Exper II Pt 2	6	OTA 1170, 1270, 2380 and 2450

SAMPLE SCHEDULE

PREREQUISITES			
BIOL 2320-2325	4		
COMM 1010	3		
ENGL 1010	3		
MATH 1010	4		
PSY 1100	3		
OTA 1020	2		
Total	**19**		
FALL SEMESTER		**SPRING SEMESTER**	
OTA 1100	3	OTA 1210	2
OTA 1105	1	OTA 1220	2
OTA 1120	2	OTA 1230	1
OTA 1130	1	OTA 1240	3
OTA 1140	3	OTA 1250	1
OTA 1150	1	OTA 1270	2
OTA 1170	2	OTA 1280	3
OTA 1180	2	OTA 1290	1
Total	**15**	**Total**	**15**
FALL SEMESTER		**SPRING SEMESTER**	
OTA 2310	2	OTA 2450	6
OTA 2320	2	OTA 2460	6
OTA 2330	1		
OTA 2340	3		
OTA 2350	3		
OTA 2380	2		
Total	**13**	**Total**	**12**

PARAEDUCATION – ASSOCIATE OF SCIENCE (AS) 63 credits minimum

Education, Family & Human Studies and Social Work Department
Taylorsville Redwood Campus, Eccles ECD Lab School
General Information, (801) 957-4073
Education Information, (801) 957-5035
http://www.slcc.edu/education
Academic Advisor, TB 315, (801) 957-4294

Program Faculty:
Professors – Dale Smith
Associate Professors – Janet Brohm, Lois Oestreich
Assistant Professors – Sally Schramm

Paraeducation courses are taught by a combination of faculty members from the departments of Education, Family & Human Studies and qualified adjunct instructors familiar with the education of students at risk.

Program Description: This program is designed to prepare students to work as paraeducators in public school districts under the direction of certified classroom educators. Paraeducators who have taken the courses listed below assist classroom teachers by providing instructional support to students receiving specialized services (Title I and/or special education) in K-12 classrooms. Students desiring to transfer some of the courses to a four-year degree should plan carefully and consult with an academic advisor.

This program qualifies for requirements of the Federal "No Child Left Behind" Act.

Transfer/Articulation Information: For students enrolled in the associate degree program, special arrangements have been made with Utah State University to allow students to transfer the PED core courses as an emphasis area in either elementary or special education. Students planning on transferring to Utah State University (or other higher education institutions) should consult with an academic advisor to determine appropriate General Education and elective course work.

Admission into a major program at a transfer institution depends on the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See and academic advisor at both SLCC and the intended transfer institution for specific articulation information.

Estimated Cost for Students: Estimated cost of books per semester $350.

Estimated Time to Completion: If students follow the suggested sample schedule, completion time is two semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1a. Develop knowledge, skills, and experience to work effectively with children based on industry standards. 1b. Be prepared for further study in education or a related discipline. 1c. Understand key concepts, events and personalities related to education. 1d. Explain theories, concepts and principles connected to the physical, intellectual, social, and emotional development of children. 1e. Evaluate and prepare curriculum and program activities consistent with current research on learning theory and models. 1f. Incorporates core knowledge content in a classroom setting. 1g. Working knowledge of State of Utah Core Curriculum.	1 – Substantive Knowledge
2a. Effectively communicate orally and in writing about key concepts and significant topics in education. 2b. Maintain appropriate state and Federally required documentation. 2c. Demonstrates effective nonverbal communication techniques with children.	2 – Communicate Effectively
3a. Use and interpret information represented as data, graphs, and tables to analyze relevant information for working with children in a classroom setting.	3 – Develop Quantitative Literacy

4a. Construct a personal philosophy of education. 4b. Systematically complete reflective assignments demonstrating analysis, synthesis, and evaluation.	4 – Think Critically
5a. Successfully complete service learning and laboratory experiences in predetermined learning environments. Dialogue with seasoned professionals in the field to enhance theoretical perspectives. 5b. Demonstrates appropriate social and interpersonal relationship skills in a variety of professional contexts.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) CHOOSE ONE COURSE (3-4 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
MATH 1040	Intro Statistics	3	A	RDG 0990; within last year MATH 1010 w/C grade of better or appropriate Accuplacer score
OR				
MATH 1050	College Algebra	4	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE ONE COURSE (3 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. Once of the courses must also be a Diversity course (DV).

COURSE	CR	SEM	PREREQUISITE
Biological Science (BS)	3-4		
Fine Arts (FA)	3-4		
Humanities (HU)	3		
Interdisciplinary (ID)	3		
Physical Science (PS)	3		
Social Science (SS)	3		

REQUIRED COURSES: (19 CREDITS)

COURSE		CR	SEM	PREREQUISITE
FHS 1500	Human Development	3	A	
OR				
PSY 1100	Human Growth/Develop	3	A	
EDU 2010	Intro to Special Ed	3	F, Sp	
PED 1010	Intro Paraeducation	3	F, Sp	
PED 1700	Collaboration in Classroom	3	F	PED 1010
PED 2150	Exp. W/Stud Rsk	3	Sp	PED 1010
PED 2160	Practicum Int Ex	1	Sp	Coreq: PED 2150
SOC 2630	Race/Ethnic Rel	3	F, Sp	SOC 1010

ELECTIVE COURSES: (10 CREDITS)

Students should select electives based on personal interest as well as the requirements for elementary education or special education at the institution to which they intend to transfer. Student should consult with an academic advisor to determine appropriate elective courses.

COURSE		CR	SEM	PREREQUISITE
EDU 1010	Orient to Elem Educ	3	F, Sp	
FHS 2400	Marriage Family Rel (ID)	3	A	
FHS 2610	Child Guidance	3	F, Sp	Coreq: FHS 0010
FHS 2570	Growth Dev: 6 – 12	3	F	
FHS 2640	Home School Family Comm	3	F, Sp	
LANG ____	(Any Language)	5	A	
LE 1240	Tutor Certification	1	A	
MATH 2010	Math Elem Teach I	3	F	Within last year, MATH 1050 w/C grade or better
MATH 2020	Math Elem Teach II	3	Sp	Within last year, MATH 2010 w/C grade or better
PED 2100	Health Needs in Classroom	3	Sp	PED 1010
PED 2990	Special Studies Paraeduc	1-3	A	Instructor approval

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
ENGL 1010	3	ENGL 2010	3
AI	3	FHS 1500	3
DISTRIBUTION (3)	9	**OR**	
		PSY 1100	3
		Math1040/1050	3-4
		LW	1
		ELEC	3
		PED 1010	3
Total	**15**	**Total**	**16-17**

FALL SEMESTER		SPRING SEMESTER	
PED 1700	3	EDU 2010	3
SOC 2630	3	PED 2150	3
DISTRIBUTION (2)	6	PED 2160	1
ELEC	4	DISTRIBUTION	3
		STUDENT CHOICE	3
		ELEC	3
Total	**16**	**Total**	**16**

Advising Notes: MATH 1050 needed for Elementary Education at Utah State University, Weber State University and University of Utah.

It is the student's responsibility to examine each course description to determine if prerequisites are required. Prerequisites must be satisfied before a class may be taken.

The semesters in which courses are taught are listed. Students should check the semester class schedule for day/evening availability, EDNET availability and other modifications to the semester class schedule.

PARAEDUCATION – CERTIFICATE OF PROFICIENCY[CTE] 19 credits minimum

Education, Family & Human Studies and Social Work Department
Taylorsville Redwood Campus, Eccles ECD Lab School
General Information, (801) 957-4073
Education Information, (801) 957-5035
http://www.slcc.edu/education
Academic Advisor, TB 315, (801) 957-4294

Program Faculty:
Professors – Dale Smith
Associate Professors – Janet Brohm, Lois Oestreich
Assistant Professors – Sally Schramm

Paraeducation courses are taught by a combination of faculty members from the departments of Education, Family & Human Studies and qualified adjunct instructors familiar with the education of students at risk.

Program Description: This program is designed to prepare students to work as paraeducators in public school districts under the direction of certified classroom educators. Paraeducators who have taken the courses listed below assist classroom teachers by providing instructional support to students receiving specialized services (Title I and/or special education) in K-12 classrooms. This program qualifies for requirements of the Federal "No Child Left Behind" Act.

Students who do not desire to transfer and/or obtain an associate degree can obtain a Paraeducation Certificate of Completion. To obtain the certificate, students will be required to complete the core courses with a grade of C or better.

Estimated Cost for Students: Estimated cost of books per semester $350.

NOTE: This Certificate of Proficiency is **not** eligible for financial aid. However, courses within the certificate may be eligible if taken as part of a financial aid eligible program. Please check with the Financial Aid Office to determine if your classes are eligible.

Estimated Time to Completion: If students follow the suggested sample schedule, completion time is two semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1a. Develop knowledge, skills, and experience to work effectively with children based on industry standards. 1b. Be prepared for further study in education or a related discipline. 1c. Understand key concepts, events and personalities related to education. 1d. Explain theories, concepts and principles connected to the physical, intellectual, social, and emotional development of children. 1e. Evaluate and prepare curriculum and program activities consistent with current research on learning theory and models. 1f. Incorporates core knowledge content in a classroom setting. 1g. Working knowledge of State of Utah Core Curriculum.	1 – Substantive Knowledge
2a. Effectively communicate orally and in writing about key concepts and significant topics in education. 2b. Maintain appropriate state and Federally required documentation. 2c. Demonstrates effective nonverbal communication techniques with children.	2 – Communicate Effectively
3a. Use and interpret information represented as data, graphs, and tables to analyze relevant information for working with children in a classroom setting.	3 – Develop Quantitative Literacy
4a. Construct a personal philosophy of education. 4b. Systematically complete reflective assignments demonstrating analysis, synthesis, and evaluation.	4 – Think Critically

5a. Successfully complete service learning and laboratory experiences in predetermined learning environments. Dialogue with seasoned professionals in the field to enhance theoretical perspectives. 5b. Demonstrates appropriate social and interpersonal relationship skills in a variety of professional contexts.	5 – Civic Engagement and/or Working Professionally

REQUIRED COURSES: (19 CREDITS)

COURSE		CR	SEM	PREREQUISITE
EDU 2010	Intro to Special Ed	3	F, Sp	
FHS 1500	Human Development	3	F, Sp	
OR				
PSY 1100	Human Growth/Develop	3	A	
PED 1010	Intro Paraeducation	3	F, Sp	
PED 1700	Collaboration in Classroom	3	F	PED 1010
PED 2150	Exp. W/Stud Rsk	3	Sp	PED 1010
PED 2160	Practicum Int Ex	1	Sp	Coreq: PED 2150
SOC 2630	Race/Ethnic Rel	3	F, Sp	SOC 1010

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
EDU 2010	3	PED 1700	3
FHS 1500	3	PED 2150	3
OR		PED 2160	1
PSY 1100	3	SOC 2630	3
PED 1010	3		
Total	**9**	**Total**	**10**

Advising Notes: It is the student's responsibility to examine each course description to determine if prerequisites are required. Prerequisites must be satisfied before a class may be taken.

The semesters in which courses are taught are listed. Students should check the semester class schedule for day/evening availability, EDNET availability and other modifications to the semester class schedule.

PARALEGAL STUDIES – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 64 credits minimum

Computer Sciences and Paralegal Studies Division
Library Square, 231 E 400 S, Salt Lake City
Taylorsville Redwood Campus, BB 109
General Information, (801) 957-4073
Information, (801) 957-5150
http://www.slcc.edu/paralegalstudies
Academic Advisor, BB 209, (801) 957-4286

Program Faculty:
Instructors – KC Jensen, Sharee Laidlaw, L. Monte Sleight

Program Description: A paralegal is a person qualified through education, training and work experience, who under direction and supervision of an attorney performs delegated legal work for the attorney or law firm which the attorney otherwise would perform. Although a paralegal is not licensed to practice law, he or she completes tasks traditionally performed by an attorney with the exceptions of giving legal advice, independently representing clients and any other unauthorized practice of law.

Career Opportunities: This American Bar Association approved program is designed for those considering employment as a paralegal who wish to update their professional development or for those already in the field.

Transfer/Articulation Information: Students who are interested in pursuing courses leading to a Bachelor's degree in paralegal studies should consult the Business Advisor, Business Building, Room 209 or (801) 957-4286.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Specialized Accreditation: The Finance and Credit associate degree program is accredited by the Association of Collegiate Business Schools and Programs (ACBSP). This accreditation represents the achievement of meeting the high national standards established for associate degree-granting business programs.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1. Interview clients and witnesses and appropriately interact with clients. 2. Comply with the litigation process. 3. Use traditional and electronic resources to conduct legal research. 4. Draft Legal Documents 5. Understand basic substantive and procedural legal principles.	1 – Substantive Knowledge
1. Communicate effectively orally 2. Communicate effectively in writing	2 – Communicate Effectively
1. Perform Appropriate Calculations	3 – Develop Quantitative Literacy
1. Extract relevant data from complex information, process it appropriately, and draw reasonable conclusions.	4 – Think Critically
1. Recognize potential ethical issues in the practice of the law and apply appropriate rules of professional responsibility.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Intermed Algebra	4	A	RDG 0990; within the past year MATH 0990 w/C grade or better or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1020	Prin Public Speaking	3	A	

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 2110	Interpersonal Comm	3	F, Sp	

DISTRIBUTION AREAS: (6 CREDITS)

Choose an additional six credits from at least two of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (31 CREDITS)

COURSE		CR	SEM	PREREQUISITE
*PLS 1010	Intro to Law	3	A	
PLS 1020	Intro Civil Lit	3	A	
*PLS 1030	Int Legal Rsch/Write	3	A	ENGL 1010
*PLS 1050	Legal Rsch/Wrtg II	3	A	PLS 1020, PLS 1030
PLS 1070	Crim Law & Prc	3	A	
*PLS 1120	Paralegal Proc I	3	A	
PLS 1180	Evidence	3	F, Sp	PLS 1070
PLS 2010	Comp Esntls Paralegal	4	A	CIS 1020 or challenge exam
PLS 2190	Ethics	3	A	12 cr of PLS classes
ONE OF THE FOLLOWING				
PLS 2090	Paralegal Practicum	3	A	PLS 1010, 1030, 1050, 1120, 2010
PLS 2000	CO-OP	3	A	PLS 1050 and program approval
PLS 2200	Legal Portfolio	3	A	PLS 1050

*Must be completed with a B- grade or higher. All other courses must be completed with a C grade or better.

NOTE: 75% of major course requirements must be completed at Salt Lake Community College.

ELECTIVE COURSES: (SELECT 15 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
*CJ 2330	Juvenile Justice	3	F, Sp	CJ 1010
MA 1100	Medical Term	2	A	
MGT 2050	Legal Env of Bus	3	A	BUS 1050
MGT 2080	Employment Law	3	A	BUS 1050
PLS 1080	Contracts	3	F, Sp	
PLS 1100	Bankruptcy & Collection	3	F	
PLS 1110	Wills, Prob/Est	3	Sp	
PLS 1130	Admin Law	3	F	
PLS 1140	Environ Law	3	F	
PLS 1160	Immigration Law	3	Sp	
PLS 1170	Family Law	3	F, Su	
PLS 1190	Constitutional Law	3	Su	
PLS 1300	Torts	3	F, Sp	
PLS 1530	Real Estate Law	3	Sp	
PLS 2000	CO-OP	1-6	A	PLS 1050 and program approval
PLS 2050	Legal Rsch/Write III	3	A	PLS 1050
PLS 2070	Mediation	3	F	Variable, contact department
PLS 2200	Legal Portfolio	3	Sp	PLS 1050
PLS 2250	Securities	3	F	PLS 1010
PLS 2260	Hollywood & the Law	3	Su	Variable, contact department
PLS 2990	Special Studies	1-3	TBA	Variable, contact department

*Must be completed with a B grade or higher. All electives must be completed with a C grade or better.

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ENGL 1010	3	COMM 2110	3
MATH 1010	4	PLS 1030	3
PLS 1010	3	PLS 1070	3
PLS 1020	3	PLS 2010	4
PLS 1120	3	PLS ELEC	3
Total	**16**	**Total**	**16**
FALL SEMESTER		**SPRING SEMESTER**	
COMM 1020	3	PLS 2000/2200	1-6
PLS 1050	3	PLS 2200	3
PLS 1180	3	PLS 2090	3
PLS ELEC	9	PLS 2190	3
		PLS ELEC	3
		DISTRIBUTION	6
Total	**18**	**Total**	**16-21**

Advising Notes: The following courses require a B- grade or higher: PLS 1010, PLS 1030, PLS 1050 and PLS 1120. Students are also required to earn a grade of C or better in Paralegal Program electives.

General Education requirements and elective courses provide training in effective oral and written communication and human relation skills. Various courses are taught using group and team activities in the learning process to develop the student's interactive skills and to build human values and ethics.

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program.

Cooperative Education is the College's program for recognizing and rewarding new learning associated with study-related employment in a business, industrial or government work environment. Credit earned from PLS 2000 is applied toward graduation requirements as both an alternative required class and/or as an elective credit. Contact the Cooperative Education Department at (801) 957-4014.

The Department strongly recommends that students enhance their employment opportunities through Cooperative Education as soon as skills permit, to complement the certificate or degree.

PERFORMING ARTS

Communication and Performing Arts Division
Taylorsville Redwood Campus, TB
General Information, (801) 957-4073
Program Information, (801) 957-4130
http://www.slcc.edu/performingarts
Academic Advisor, SCC W138, (801) 957-3361

Program Faculty:
Associate Professors – Lyle Archibald, Tess Boone
Assistant Professors – Thomas Baggaley, Jon Clark, Craig Ferrin, Frank Gerrish
Instructors – Channing Lowe, Mark Davis, Steven Sue

Program Description: The Performing Arts Department includes courses in dance, film, music and theater. Courses are designed to support creative expression with the primary goal of developing students who are willing to take risks and discover a personal voice. The department is committed to the artistic process through a disciplined understanding and practice of the theory, techniques and skill of the performing arts. To that end, courses guide students from theoretical knowledge, through practical skill, to performance. Most courses are transferable and students interested in pursuing a four-year degree in dance, film, music or theater should contact the academic advisor. Courses which can be repeated for credit may be repeated for a maximum of six credits. THEA 1190 and THEA 1900 may be repeated as often as desired. Performing arts scholarships are available. Interested students should contact the division office or the Financial Aid Office.

NOTE: See **Visual Art & Design (VAD)** for courses such as: airbrush, animation, calligraphy, computer-assisted design, drawing, graphic design, illustration, jewelry, multimedia, offset printing, painting, photography, pottery, screen printing, typography, and layout.

Transfer/Articulation Information: Music majors planning to transfer to a four-year institution will be required to pass a vocal or instrumental proficiency exam. It is strongly encouraged that students take 45-minute private lessons each semester in voice or their instrument of study to prepare for this exam.

DEPARTMENTAL OFFERINGS

DANCE

COURSE		CR	SEM	PREREQUISITE
DANC 1010	Dance & Culture (FA, DV)	3	A	
DANC 1090	Bridging the Arts (FA)	3	A	
DANC 1100	Intro Ballet I (FA)	3	A	
DANC 1110	Ballet II (LW)	2	F, Sp	DANC 1100 or instructor approval
DANC 1200	Intro Mod Dnc I (FA)	3	A	
DANC 1210	Modern Dance II (LW)	2	F, Sp	DANC 1200 or instructor approval
DANC 1500	Intro Jazz Dnc I (FA)	3	A	
DANC 1510	Jazz Dance II (LW)	2	F, Sp	DANC 1500 or instructor approval
DANC 1580	Intro Tap Dnc I (FA)	3	F, Sp	
DANC 1590	Tap Dance II (LW)	2	Sp	DANC 1580 or instructor approval
DANC 1800	SLCC Dance Co	1	F, Sp	audition only
DANC 1700	Mod Imp/Chor	1	F	DANC 1200 or instructor approval
DANC 1900	Special Projects	1-2	F, Sp	Department approval
DANC 2100	Ballet III	2	F	DANC 1110 or instructor approval
DANC 2110	Ballet IV	2	Sp	DANC 2100 or instructor approval
DANC 2200	Mod Dance III	2	F	DANC 1210 or instructor approval
DANC 2210	Mod Dance IV	2	Sp	DANC 2200 or instructor approval
DANC 2500	Jazz Dance III	2	F	DANC 1510 or instructor approval
DANC 2510	Jazz Dance IV	2	Sp	DANC 2500 or instructor approval
DANC 2580	Tap Dance III	2	Sp	DANC 1590 or instructor approval
DANC 2700	Dnc Imp/Chor II	1	Sp	DANC 1700
DANC 2800	SLCC Dance Co II	1	F, Sp	DANC 1800
DANC 2900	Special Topics	1-2	Sp	Department approval

FILM (SEE FILM PRODUCTION TECHNICIAN AAS DEGREE)

COURSE		CR	SEM	PREREQUISITE
FLM 1023	Intro to Film (FA)	4	A	
FLM 1045	Beginning Film Prod	6	A	
FLM 1055	Intermediate Film Prod.	6	F, Sp	FLM 1045
FLM 1070	Film & Culture (FA, DV)	4	A	
FLM 1075	Screenwriting	3	F, Sp	
FLM 1100	Acting for Camera	1	A	
FLM 1101	Acting for Camera Lab	3	A	
FLM 1515	Basic Audio Production	3	A	
FLM 1800	Digital Media Essential	4	A	
FLM 1900	Independent Studies	1-2	TBA	
FLM 2010	UndFlmDir f/Tech	2	Sp	w/FLM 2011
FLM 2015	Film Directing	4	F, Sp	FLM 1045 w/C grade or better or instructor approval
FLM 2045	Commercial Film Prod	4	F, Sp	FLM 1045 and FLM 1055 both w/C grade or better
FLM 2065	Motion Picture Sound	4	F, Sp	FLM 1515
FLM 2200	Intro Film Criticism	4	A	THEA 1013, THEA/FLM 1023 or THEA/FLM 1070
FLM 2715	Cinematography	4	Sp	FLM 1045 or instructor approval
FLM 2800	Film Acting for Directors	1	F	Coreq: FLM 2801
FLM 2801	Film Act for Direct Lab	2	F	THEA 1013, THEA/FLM 1023 or THEA/FLM 1070. Coreq: FLM 2800
FLM 2900	Special Topics	1-3	TBA	THEA 1013, THEA/FLM 1023 or THEA/FLM 1070

FINE ARTS

COURSE		CR	SEM	PREREQUISITE
FA 1080	Basic Metal Sculpt (FA)	3	A	
FA 1090	Bridging the Arts (FA)	3	A	

MUSIC (SEE MUSIC AS DEGREE)

COURSE		CR	SEM	PREREQUISITE
MUSC 0990	Recital Attendance	0	A	
MUSC 1010	Intro to Music (FA)	3	A	
MUSC 1030	Survey of Jazz (FA)	3	A	
MUSC 1040	US Musc Culture (FA,DV)	3	A	
MUSC 1050	Songwriting I	2	F, Sp	
MUSC 1060	Songwriting II	2	Sp	MUSC 1050 w/C grade or better or instructor approval
MUSC 1090	Bridging the Arts (FA)	3	A	
MUSC 1100	Intro Music Theory	2	F, Sp	
MUSC 1110	Music Theory I	3	A	MUSC 1100 or equivalent proficiency (test given first day). Coreq: 1130
MUSC 1120	Music Theory II	3	Sp	MUSC 1110 w/C grade or better. Coreq: MUSC 1104
MUSC 1130	SS and Ear I	1	A	MUSC 1110
MUSC 1140	SS and Ear II	1	Sp	MUSC 1130 w/C grade or better. Coreq: MUSC 1120
MUSC 1145	Intro to Piano	2	F	
MUSC 1150	Group Piano I	1	F, Sp	
MUSC 1160	Group Piano II	1	Sp	MUSC 1150 or instructor approval
MUSC 1300	Money & Creative Profs.	1	F, Sp	
MUSC 1310	Group Voice I	2	A	
MUSC 1350	College Chorale	1	F, Sp	
MUSC 1360	College Chorale	0	F, Sp	
MUSC 1370	Concert Choir	1	F, Sp	Audition
MUSC 1380	Chamber Singers	1	F, Sp	Audition
MUSC 1390	South City Jazz	1	F, Sp	Audition
MUSC 1450	Bruin Band	1	TBA	
MUSC 1460	Chamber Orchestra	1	F, Sp	Audition
MUSC 1470	Jazz Ensemble	1	F, Sp	Audition
MUSC 1480	Guitar Ensemble	1	F, Sp	Audition
MUSC 1500	Music and Tech (ID)	3	A	
MUSC 1510	Desktop Music Pub	3	F, Sp	MUSC 1100 or equivalent proficiency (test given first day) or concurrently

MUSC 1520	Intro to MIDI	3	A	
MUSC 1515	Basic Audio Production	3	A	
MUSC 1520	Intro MIDI/Elec Mus Comp	3		
MUSC 1530	Music Rec Techniques	4	Sp	MUSC 1515 or instructor approval
MUSC 1540	MIDI II	3	A	MUSC 1520 or instructor approval
MUSC 1610	Group Guitar I	2	A	
MUSC 1620	Group Guitar II	2	F, Sp	MUSC 1610
MUSC 1660	Fretboard Theory I	2	F	
MUSC 1670	Fretboard Theory II	2	Sp	MUSC 1660
MUSC 1710	Pvt Gtr/Bass (nonMaj)	1	A	
MUSC 1712	Pvt Gtr/Bass (MusEdMaj)	1	A	Audition
MUSC 1715	Pvt Gtr/Bass (Perf Maj)	2	A	Audition
MUSC 1720	Pvt Strings (nonMaj)	1	A	
MUSC 1722	Pvt Strings (MusEdMaj)	1	A	Audition
MUSC 1725	Pvt Strings (Perf Maj)	2	A	Audition
MUSC 1730	Pvt Piano (nonMaj)	1	A	
MUSC 1732	Pvt Piano (MusEdMaj)	1	A	Audition
MUSC 1735	Pvt Piano (Perf Maj)	2	A	Audition
MUSC 1740	Pvt Brass (nonMaj)	1	A	
MUSC 1742	Pvt Brass (MusEdMaj)	1	A	Audition
MUSC 1745	Pvt Brass (Perf Maj)	2	A	Audition
MUSC 1750	Pvt Voice (nonMaj)	1	A	
MUSC 1752	Pvt Voice (MusEdMaj)	1	A	Audition
MUSC 1755	Pvt Voice (Perf Maj)	2	A	Audition
MUSC 1760	Pvt Woodwind (nonMaj)	1	A	
MUSC 1762	Pvt Wdwd (MusEdMaj)	1	A	Audition
MUSC 1765	Pvt Woodwd (Perf Maj)	2	A	Audition
MUSC 1900	Special Projects	1-2	F, Sp	Instructor approval
MUSC 2110	Music Theory III	3	F	MUSC 1120 w/C grade or better. Coreq: MISC 2130
MUSC 2130	SS and Ear III	1	F	MUSC 1140 w/C grade or better. Coreq: MUSC 2110
MUSC 2120	Music Theory IV	3	Sp	MUSC 2110 w/C grade or better. Coreq: MUSC 2140
MUSC 2140	SS and Ear IV	1	Sp	MUSC 2130 w/C grade or better. Coreq: MUSC 2120
MUSC 2350	Conducting Fundamentals	2	Sp	MUSC 1120
MUSC 2710	Pvt Gtr/Bass (nonMaj)	1	A	MUSC 1710
MUSC 2712	Pvt Gtr/Bass (Mus Ed)	1	A	MUSC 1712 and audition
MUSC 2715	Pvt Gtr/Bass (Mus Perf)	2	A	MUSC 1715 and audition
MUSC 2720	Pvt Strings (nonMaj)	1	A	MUSC 1720
MUSC 2722	Pvt Strings (Mus Ed)	1	A	MUSC 1722 and audition
MUSC 2725	Pvt Strings (Mus Perf)	2	A	MUSC 1725 and audition
MUSC 2730	Pvt Piano (nonMaj)	1	A	MUSC 1730
MUSC 2732	Pvt Piano (Mus Ed Maj)	1	A	MUSC 1732 and audition
MUSC 2735	Pvt Piano (Mus Perf Maj)	2	A	MUSC1735 and audition
MUSC 2740	Pvt Brass (nonMaj)	1	A	MUSC 1740
MUSC 2742	Pvt Brass (Mus Ed Maj)	1	A	MUSC 1742 and audition
MUSC 2745	Pvt Brass (Mus Perf Maj)	2	A	MUSC 1745 and audition
MUSC 2750	Pvt Voice (nonMaj)	1	A	MUSC 1750
MUSC 2752	Pvt Voice (Mus Ed Maj)	1	A	Audition
MUSC 2755	Pvt Voice (Mus Perf Maj)	2	A	MUSC 1775 and audition
MUSC 2760	Pvt Wdwind (nonMaj)	1	A	MUSC 1760
MUSC 2762	Pvt Wdwind (Mus Ed)	1	A	MUSC 1762 and audition
MUSC 2765	Pvt Wdwind (Perf Maj)	2	A	MUSC 1765 and audition
MUSC 2900	Special Topics	1-3	TBA	Department approval
MUSC 2990	Perf Arts Connct	2	Sp	Department approval

THEATER

COURSE		CR	SEM	PREREQUISITE
THEA 1013	Survey Theater (FA)	3	A	
THEA 1023	Intro to Film (FA)	4	A	
THEA 1033	Acting I-Basic	3	A	

THEA 1070	Film and Culture (FA, DV)	4	A	
THEA 1090	Bridging the Arts (FA)	3	A	
THEA 1160	Tech I Lab	3	TBA	Coreq: THEA 1513
THEA 1170	Tech II Lab	3	TBA	Coreq: THEA 1560
THEA 1171	Tech III Lab	3	TBA	Coreq: THEA 2513
THEA 1190	Production	3	F, Sp	
THEA 1223	Make-up	3	TBA	
THEA 1400	Copyright Creative Prof	1		
THEA 1420	Sales Promo Crtve Prof	2		
THEA 1440	Build Creative Bus	2		
THEA 1513	Tech I Stagecraft	3	TBA	Coreq: THEA 1160
THEA 1515	Basic Audio Production	3	A	
THEA 1560	Tech II Light/Sound	3	TBA	THEA 1160 and THEA 1513. Coreq: THEA 1170
THEA 1900	Special Projects	1-2	A	Instructor approval
THEA 2033	Acting II-Scene	3	A	THEA 1033 or instructor approval
THEA 2150	Acting III-Audition	3	TBA	THEA 1033 or instructor approval
THEA 2200	Intro Film Criticism	4	F, Sp	ENGL 1010; and THEA 1023 or FLM 1050 or THEA/FLM 1070
THEA 2443	Musical Theater	3	TBA	THEA 1033 or instructor approval
THEA 2513	Tech III Design	3	TBA	THEA 1160 and THEA 1513. Coreq: THEA 1171
THEA 2520	Creative Dramatics	2	TBA	
THEA 2900	Special Topics	1-3	TBA	
THEA 2990	Perf Arts Connect	2	Sp	Department approval

Advising Notes: It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program.

PHYSICAL THERAPIST ASSISTANT
– ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 70 credits including prerequisites

Allied Health Division
Jordan Campus, JCHSC 059A
General Information, (801) 957-6215
Program Information, (801) 957-6236
http://www.slcc.edu/ptassistant
Academic Advising, JHS 047, (801) 957- 6407
Health Science Admissions, JHS 047, (801) 957-6253

Program Faculty:
Professors – Ken Freeman, DPT; Diana Ploeger, PT, M Ed

Program Description: The Physical Therapist Assistant (PTA) program provides both general and technical education. The Physical Therapist Assistant program is accredited by the Commission on Accreditation in Physical Therapy Education.

The program consists of four semesters of physical therapist assistant coursework and labs in addition to the prerequisite courses. Upon successful completion, graduates are awarded an associate of applied science degree. Graduates are able to sit for the national examination for physical therapist assistants, which allows the individual to be eligible for licensure in states that require licensure to practice. To practice as a Physical Therapist Assistant in Utah, licensure is required.

Career Opportunities: The Physical Therapist Assistant is a health care provider working with individuals and their families under the supervision of a physical therapist in providing client care by applying a variety of therapy treatments in a variety of health care settings. Treatment techniques include heat, cold, electrotherapy, hydrotherapy, traction, massage and therapeutic exercises. Health care settings include hospitals, extended care facilities, rehabilitation centers, out-patient clinics, sports medicine clinics, work hardening programs, schools and homes. The physical therapist assistant also will be involved in modification of treatment programs, client/family education and discharge planning under the direction of a physical therapist.

Transfer/Articulation Information: Students who are transferring credits from other institutions, Advanced Placement (AP) or College Level Examination Program (CLEP) scores should submit them to SLCC's Incoming Transcripts Office and submit the form, "Request for Evaluation of Transfer Credits. For more information, log on to http://www.slcc.edu/transcriptevaluation. Transfer evaluation may take up to six weeks to complete. All transfer credits, AP and CLEP scores must be posted before submitting the Health Sciences Admission Application. It is highly recommended that students meet with the Health Sciences advisor upon completion of the evaluation process to review transfer credits, AP and CLEP scores.

Program Entry Requirements:

ADMISSIONS PROCESS

1. Students who are not a current SLCC student (attended in past two years), apply for college admission as a matriculated (degree-seeking) student.
2. Declare a major in Health Sciences Physical Therapist Assistant on SLCC application for admission OR change major in MyPage.
3. Submit the Health Sciences Admission Application with the required documents attached to the Health Sciences Admissions Office, according to application due dates detailed on the website http://www.slcc.edu/hs/admissions/index.asp

APPLICATION REQUIREMENTS (Admission Closing Date 2013)

1. Completed Application Packet for Program.
2. HESI (Health Education Systems, Incorporated) A2 exam with a total overall score of 77%.
3. Proof of Immunizations and CPR certification form; must be included in application packet.
4. Background check through SLCC's authorized vendor. Provide confirmation number on application. In addition, it will *be the responsibility of the student to contact the licensing board and seek advice regarding eligibility for licensure and requirements needed to progress in this profession, if the criminal background check discloses issues of concern.*
5. Written essay from prompt posted on PTA website.
6. Group interview upon notification.

NOTE: See program website for detailed information: http://www.slcc.edu/ptassistant/index.asp

PROGRAM COURSE PREREQUISITES

MATH QUALIFICATIONS (one of the following)

- ***Accuplacer*** college level math score of 43 *(valid for 1 year)*
- ACT math score of 22 (*valid for 1 year)*
- MATH 1010 *(C grade or better; valid for 1 year)*

ENGLISH QUALIFICATIONS (one of the following)

- AP English credit *(must be listed on SLCC transcript)*
- CLEP English credit *(must be listed on SLCC Transcript)*
- ENGL 1010 Introduction to Writing *(C grade or better)*

HUMAN ANATOMY

- BIOL 2320-2325 *(B grade or better within the past 5 years)*

HUMAN GROWTH AND DEVELOPMENT

- PSY 1100 *(C grade or better)*

INTRODUCTION TO PHYSICAL THERAPY

- PTA 1010 *(B grade or better)*

PRACTICE ISSUES FOR THE PTA

- PTA 1500 *(B grade or better)*

NOTE: It is the student's responsibility to examine each course description for details of prerequisite classes. Prerequisites must be satisfied before the designated class is taken. Successful completion of all prerequisite classes is required before admission to the program.

IMMUNIZATION / CPR / DRUG TESTING / BACKGROUND REQUIREMENTS

- PPD (tuberculosis skin test)
- Tetanus, Diphtheria and Pertussis (Tdap)
- Measles, Mumps, Rubella (MMR)
- Varicella (Chicken Pox)
- Hepatitis B vaccination series
- Hepatitis A vaccination series (Recommended)
- Current CPR – Two-year Health Care Provider (must be current throughout the technical program)
- Drug Testing (arranged by program)
- Completed Background via SLCC vendor

NOTE: See Health Science Admissions website for detailed information http://www.slcc.edu/hs/admissions/index.asp

Estimated Cost for Students: Estimated Cost of Core Curriculum for Resident Students: $8,000

Estimated Time to Completion: Students will follow the suggested semester schedule, time to completion is four semesters (Fall, Spring, Summer, Fall).

Specialized Accreditation: Commission on Accreditation in Physical Therapy Education, 1111 North Fairfax Street Alexandria, VA 22314-1488

Program Objectives: See program website for detailed information on the Physical Therapy Program assessment outcomes http://www.slcc.edu/ptassistant/index.asp

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1. Program graduates demonstrate technological skills appropriate for entry-level employment as a physical therapist assistant.	Acquiring substantive knowledge in field of their choice, developing knowledge and skills, thinking critically
2. Program graduates demonstrate research skills appropriate to an entry-level physical therapist assistant.	Thinking critically and developing quantitative literacies
3. Program graduates demonstrate professionalism through behaviors consistent with the APTA Code of Ethics and state licensure regulations for physical therapist assistants.	Developing knowledge and skills to be civically engaged
4. Program graduates demonstrate skills in the use of current equipment consistent with the field of physical therapy.	Developing knowledge and skills to be civically engaged
5. Program graduates communicate clearly with physical therapy stakeholders in verbally and written formats.	Communicating effectively

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Intermed Algebra	4	A	RDG 0900; and within the last year MATH 0990 w/C grade of better or appropriate Accuplacer score

COMMUNICATION (CM)

The Physical Therapist Assistant Program contains communication as a curriculum thread. Courses integrate communication into content presented in the classroom and clinical settings. Students learn basic communication skills in the beginning level courses. Additional content is added with each course, including group dynamics, group communication, therapeutic and non-therapeutic patterns of communication.

HUMAN RELATIONS (HR)

Human relations training is embedded within the physical therapist assistant curriculum. Human needs and interpersonal relationships are constant with each patient/physical therapist assistant relationship and are threaded throughout the physical therapy curriculum.

REQUIRED PREREQUISITE COURSES: (11 CREDITS)

COURSE		CR	SEM	PREREQUISITE
PSY 1100	Human Growth & Dev	3	A	
BIOL 2320	Human Anatomy	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 2325
BIOL 2325	Human Anatomy Lab	0	A	Coreq: BIOL 2320
PTA 1010	Intro Physical Therapy	2	F, Sp	
PTA 1500	Practical Issues PTA	2	F, Sp	PTA 1010

REQUIRED COURSES: (52 CREDITS)

COURSE		CR	SEM	PREREQUISITE
PTA 2010	Functional Anatomy	3		PTA 1500 and acceptance into the technical program
PTA 2015	Functional Anatomy Lab	1		PTA 1500 and acceptance into the technical program
PTA 2100	Patient Care Skills	2		Admission into technical portion of program
PTA 2110	Patient Care Skills Lab	1		Admission into technical portion of program
PTA 2200	Therapeutic Modalities	2		Admission into technical portion of program
PTA 2210	Therapeutic Mods Lab	2		Admission into technical portion of program
PTA 2300	Therapeutic Mods Exer	2		Admission into technical portion of program
PTA 2310	Therapeutic Exercise Lab	2		Admission into the core curriculum of the program
PTA 2350	Data Collection PTA	2		Completion of prior semester courses per established curriculum plan
PTA 2360	Data Collection PTA Lab	2		Completion of prior semester courses per established curriculum plan

PTA 2400	Musculoskeletal Disord	3	Completion of prior semester courses per established curriculum plan
PTA 2410	Musculoskeletal Dis Lab	1	Completion of prior semester courses per established curriculum plan
PTA 2450	Neurological Disorders	2	PTA 2010 and 2300
PTA 2460	Neurological Dis Lab	2	Completion of prior semester courses per established curriculum plan
PTA 2510	PT for Spec Clientele	3	Completion of prior semester courses per established curriculum plan
PTA 2520	PT for Spec Clientele Lab	1	Completion of prior semester courses per established curriculum plan
PTA 2530	Gerontology	2	PTA 2300 and 2360
PTA 2550	Rehabilitation Psy	2	PTA 2300 and 2400
PTA 2600	Clinical Experience I	4	PTA 2100, 2200 and 2300
PTA 2700	Clinical Internship I	6	Completion of prior semester courses per established curriculum plan
PTA 2710	Clinical Internship II	6	PTA 2700
PTA 2750	Seminar for PTA	1	Completion of prior semester courses per established curriculum plan

SAMPLE SCHEDULE

PREREQUISITES			
ENGL 1010	3		
MATH 1010	4		
PSY 1100	3		
BIOL 2320/2325	4		
PTA 1010	2		
PTA 1500	2		
Total	**18**		
FALL SEMESTER		**SPRING SEMESTER**	
PTA 2010	3	PTA 2350	2
PTA 2015	1	PTA 2360	2
PTA 2100	2	PTA 2400	3
PTA 2110	1	PTA 2410	1
PTA 2200	2	PTA 2510	3
PTA 2210	2	PTA 2520	1
PTA 2300	2	PTA 2530	2
PTA 2310	2	PTA 2850	2
Total	**15**	**Total**	**16**
SUMMER SEMESTER		**FALL SEMESTER**	
PTA 2450	2	PTA 2700	6
PTA 2460	2	PTA 2710	6
PTA 2550	2	PTA 2750	1
PTA 2600	4		
Total	**10**	**Total**	**13**

PHYSICS – ASSOCIATE OF SCIENCE (AS) 63 credits minimum

Division of Natural Sciences
Taylorsville Redwood Campus, SI 341, (801) 957-4944
General Information, (801) 957-4073
http://www.slcc.edu/physics
Academic Advising, SI 209, (801) 957-4858

Program Faculty:
Associate Professor - Trina Van Ausdal
Assistant Professors - David Schaffer, Jonathan Barnes

Program Description: Physics includes the study of physics and astronomy. All classes are transferable to other schools in the state system of higher education and most other universities and colleges.
Physics classes are offered at three levels:

1. General survey classes for fulfilling a General Education requirement for non-technical students
2. A non-calculus, two-semester series for professionals and technicians (other than engineers)
3. A three-semester series of calculus-based physics for engineering students.

Transfer/Articulation Information: Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Students planning to transfer to Utah Valley University should take Math 2280 in place of Math 2250; there may be additional electives available for transfer as well. Students planning to transfer to Utah State University, Weber State University and the University of Utah may also take Chemistry 1220/1225.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1a. Acquire substantive knowledge of fundamental physics principles in mechanics, thermodynamics, electromagnetism, wave optics, and modern physics. 1b. Demonstrate competency using a spreadsheet program to solve and analyze physical situations. 1c. Be prepared for further study in physics or a related discipline at a four-year college or university.	1 – Substantive Knowledge
2a. Organize, present, and explain – both orally and in writing – solutions to physics problems. 2b. Communicate well in a group setting.	2 – Communicate Effectively
3a. Use and interpret information represented as data and graphs. 3b. Use appropriate mathematical techniques and physics concepts to analyze data. 3c. Apply concepts and methods of inquiry appropriate to physics problems.	3 – Develop Quantitative Literacy
4a. Demonstrate effective problem solving. 4b. Critically analyze physics problems and solutions for validity. 4c. Make connections across disciplines such as engineering, medicine, and biology. 4d. Apply scientific method to the inquiry process.	4 – Think Critically

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1210	Calculus I	4	A	Within the last year, MATH 1060 or MATH 1080 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3

NOTE: Physical Science (PS) general education component is satisfied through pre-major coursework.

REQUIRED COURSES: (31 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CHEM 1210	Gen Chem I	4	F,Sp	MATH 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1215	Gen Chem Lab I	1	F,Sp	MATH 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
MATH 1220	Calculus II	4	A	Within last year, MATH 1210 w/C grade or better
MATH 2210	Multivariate Calculus	3	A	Within last year, MATH 1220 w/C grade or better
MATH 2250	Diff Equations	4	F,Sp	Within last year, MATH 1220 w/C grade or better. Optional coreq: MATH 2210 required departmental approval
PHYS 2210	Physics Sci & Eng I	4	A	MATH 1210. Recommended coreq: PHYS 2215
PHYS 2215	Physics Sci & Eng Lab I	1	A	MATH 1210. Recommended coreq: PHYS 2210
PHYS 2220	Physics Sci & Eng II	4	A	PHYS 2210 and MATH 1220. Recommended coreq: PHYS 2225
PHYS 2225	Physics Sci & Eng Lab II	1	A	PHYS 2210 and MATH 1220. Recommended coreq: PHYS 2220
PHYS 2500	Computer Methods	2	F	PHYS 2210. Recommended prereq: PHYS 2220
PHYS 2710	Intro Modern Physics	3	Sp	MATH 2210, PHYS 2220, PHYS 2225 w/C grade or better. Recommended prereq: MATH 2250

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
CHEM 1210	4	MATH 1220	4
CHEM 1215	1	PHYS 2210	4
ENGL 1010	3	PHYS 2215	1
MATH 1210	4	DISTRIBUTION	3
DISTRIBUTION	3	LW	1
Total	**15**	**Total**	**16**
FALL SEMESTER		**SPRING SEMESTER**	
STUDENT CHOICE	3	MATH 2250	4
ENGL 2010	3	PHYS 2710	3
MATH 2210	3	AI	3
PHYS 2220	4	DISTRIBUTION (2)	6
PHYS 2225	1		
PHYS 2500	2		
Total	**16**	**Total**	**16**

Advising Notes: Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program. It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. The semesters in which courses are taught are listed below. Students should check the semester class schedule for day/ evening availability and modifications caused by varying enrollment.

DEPARTMENTAL OFFERINGS

COURSE		CR	SEM	PREREQUISITE
PHYS 1010	Elem Physics	3	A	
PHYS 1040	Elem Astronomy	3	A	
PHYS 2010	College Physics I	4	A	MATH 1060 or 1080. Recommended coreq: PHYS 2015
PHYS 2015	College Physics Lab I	1	A	MATH 1060 or 1080. Recommended coreq: PHYS 2010
PHYS 2020	College Physics II	4	A	PHYS 2010. Recommended coreq: PHYS 2025
PHYS 2025	College Physics Lab II	1	A	PHYS 2010. Recommended coreq: PHYS 2020
PHYS 2210	Physics Sci & Eng I	4	A	MATH 1210. Recommended coreq: PHYS 2215
PHYS 2211	Physics Problem Session	1		
PHYS 2215	Physics Sci & Eng Lab I	1	A	MATH 1210. Recommended coreq: PHYS 2210
PHYS 2220	Physics Sci & Eng II	4	A	PHYS 2210 and MATH 1220. Recommended coreq: PHYS 2225
PHYS 2221	Physics Problem Session	1		
PHYS 2225	Physics Sci & Eng Lab II	1	A	PHYS 2210 and MATH 1220. Recommended coreq: PHYS 2220
PHYS 2500	Computer Methods	2	F	PHYS 2210. Recommended prereq: PHYS 2220
PHYS 2710	Intro Modern Physics	3	Sp	MATH 2210, PHYS 2220, PHYS 2225 w/C grade or better. Recommended prereq: MATH 2250

POLITICAL SCIENCE – ASSOCIATE OF SCIENCE (AS) 61 credits minimum

History, Anthropology and Political Science Department
Taylorsville Redwood Campus, CT 262
General Information, (801) 957-4073
Program Information, (801) 957-4307
http://www.slcc.edu/pols
Academic Advisor, TB 315, (801) 957-3866

Department Chair: Marianne McKnight, (801) 957-4547

Program Faculty:
Professors – David Hubert, Shari Sowards
Associate Professors – Joshua Gold

Program Description: Political Science prepares students to understand and participate in the processes whereby policies are made in local, state, national and international political systems. Students learn the factual and theoretical ways in which governmental and non-governmental actors interact. In the process, students develop analytical and communication skills.

Political Science courses are an essential part of a liberal arts education because many disciplines come together in political analysis. Moreover, political science courses are useful in a variety of majors such as history, sociology, pre-law, business, public administration, economics, education and international studies. Students who would like hands-on experience in the political realm may sign up for an internship administered by the Political Science Department. SLCC students have interned in Washington D.C. and Salt Lake City, volunteered on political campaigns, conducted exit polls, hosted a variety of national and local political figures and participated in nationwide foreign policy simulations.

Transfer/Articulation Information: Students should check with the department or academic advisor to determine which courses are transferable to other colleges within the Utah System of Higher Education. Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an academic advisor at both SLCC and the intended receiving institution for specific articulation information.

Estimated Time to Completion: If students follow suggested sample schedule, completion time is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
A. Acquire substantive knowledge of political science. B. Be prepared for further study in Political Science or a related discipline at a four-year college or university. C. Understand key concepts, events and personalities relating to U.S. government. D. Understand key concepts, events and personalities relating to the history, expression, and importance of modern political ideologies.	1 – Substantive Knowledge
Effectively communicate orally and in writing about key concepts and significant topics in U. S. government, political ideologies, and other topics of Political Science.	2 – Communicate Effectively
Use and interpret information represented as data, graphs, and tables to analyze political behavior, public policy, the historical development of the U. S. political system or modern political ideologies, and/or other topics in Political Science.	3 – Develop Quantitative Literacy
Demonstrate in writing their understanding of key aspects of critical thinking such as claims and evidence analysis, identification of fallacious argumentation, hypotheses, and concepts pertinent to Political Science.	4 – Think Critically
Develop and demonstrate the knowledge and skills to be civically engaged.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) SELECT ONE COURSE (3 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
MATH 1030	Quantitative Reasoning	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score
OR				
MATH 1040	Intro Statistics	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3
Physical Science (PS)	3

NOTE: Students may use POLS 2300 and POLS 1100 to fill major course requirements or General Education requirements, but not both.

REQUIRED COURSES: (6 CREDITS)

COURSE		CR	SEM	PREREQUISITE
POLS 1100	US Govt & Politics (AI)	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 2300	Political Ideology (SS)	3	F, Sp	

NOTE: If POLS 2300 and POLS 1100 are used to fulfill General Education requirements, complete 12 credit hours of Political Science courses from the following:

PROGRAM ELECTIVES: (SELECT 6 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
POLS 1110	Intro State/Local Govt	3	TBA	
POLS 1900	Special Studies	1-2	F, Sp	Instructor approval
POLS 2000	Internship	2-4	TBA	Instructor approval
POLS 2100	Intro Intl Politics (ID)	3	TBA	
POLS 2070	Div & US Politics (SS,DV)	3	A	POLS 1100 w/C grade or better
POLS 2200	Intro Compare Politics(SS)	3	TBA	
POLS 2900	Special Topics	1-3	TBA	Instructor approval
POLS 2950	Leadership	2	F	

ELECTIVES:
Complete 15 credits from any college course numbered 1000 or above. CIS 1020 and MATH 1010 may apply toward the 15 credits of electives.

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ENGL 1010	3	ENGL 2010	3
MATH 1030	3	POLS 2300	3
HLAC	1	POLS ELEC	3
POLS 1100	3	DISTRIBUTION	3
DISTRIBUTION	3	AI	3
STUDENT CHOICE	3		
Total	**16**	**Total**	**15**
FALL SEMESTER		**SPRING SEMESTER**	
POLS ELEC	3	DISTRIBUTION (2)	6
DISTRIBUTION (2)	6	ELEC (3)	9
ELEC (2)	6		
Total	**15**	**Total**	**15**

Advising Notes: It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. Students should check the semester class schedule for day/evening availability and modifications caused by varying enrollment.

PRE-PROFESSIONAL

Taylorsville Redwood Campus
General Information, (801) 957-4073
Program Information, (801) 957-4978
http://www.slcc.edu/
Academic Advisor, SC 240, (801) 957-4835

Program Description: Salt Lake Community College offers most, if not all, the courses needed in the freshman and sophomore years of pre-professional programs such as pre-chiropractic, pre-dentistry, pre-law, pre-medicine, pre-pharmacy, pre-physical therapy, pre-occupational therapy, physician assistant, and pre-veterinarian.

Requirements for these programs vary from college to college. Programs listed below are examples only. They are best estimates of what most colleges require. Students should check with the advisor of the program to which they wish to transfer for full details. This is important to avoid taking unnecessary courses or missing important requirements.

Associate of Science degrees are not offered in any pre-professional program. Possible AS degrees for pre-professional students are General Studies, Biology, Chemistry or Physical Science. Students should consult an academic advisor to determine which AS degree is best suited to their needs.

PRE-CHIROPRACTIC

A minimum of 90 semester hours is required to apply to chiropractic colleges; 30 of the 90 semester credits must be upper division credits. All courses must be transferable to a Bachelor's degree. Students must have a cumulative GPA of at least 2.5 for both prerequisite courses and the required 90 semester credits.

BIOLOGY: One academic year with related labs which may include:

COURSE		CR	SEM	PREREQUISITE
BIOL 1610	College Biology I	4	A	RDG 0990; MATH 0990 w/C grade or better or appropriate Accuplacer score. Coreq: BIOL 1615
BIOL 1615	College Biology Lab I	0	A	Coreq: BIOL 1610
BIOL 1620	College Biology II	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 1625
BIOL 1625	College Biology Lab II	0	A	Coreq: BIOL 1620
BIOL 2060	Microbiology	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 2065
BIOL 2065	Microbiology Lab	0	A	Coreq: BIOL 2060
BIOL 2320	Human Anatomy	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 2325
BIOL 2325	Human Anatomy Lab	0	A	Coreq: BIOL 2320
BIOL 2420	Human Physiology	4	A	BIOL 1610 w/C grade or better AND CHEM 1110 or CHEM 1210. Coreq: BIOL 2425
BIOL 2425	Human Physiology Lab	0	A	Coreq: BIOL 2420

CHEMISTRY: Two academic years with related labs which may include:

COURSE				
CHEM 1210	Gen Chem I	4	F,Sp	Math 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1215	Gen Chem Lab I	1	F,Sp	Math 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1220	Gen Chem II	4	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1225
CHEM 1225	Gen Chem Lab II	1	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1220
CHEM 2310	Organic Chem I	4	F,Sp	CHEM 1220 w/C grade or better. Recommended coreq: CHEM 2315
CHEM 2315	Organic Chem Lab I	1	F,Sp	CHEM 1220 w/C grade or better. Recommended coreq: CHEM 2310
CHEM 2320	Organic Chem II	4	Sp,Su	CHEM 2310 w/C grade or better. Recommended coreq: CHEM 2325
CHEM 2325	Organic Chem Lab II	1	Sp,Su	CHEM 2310 w/C grade or better. Recommended coreq: CHEM 2320

ENGLISH/COMMUNICATION: Six semester credits which may include:

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermed Writing	3	A	ENGL 1010 w/C grade or better
COMM 1010	Elements Effective Comm	3	A	
COMM 1020	Prin Public Speaking	3	A	

HUMANITIES AND/OR SOCIAL SCIENCES: 15 semester credits

PHYSICS: 10 semester credits

COURSE		CR	SEM	PREREQUISITE
PHYS 2010	College Physics I	4	A	MATH 1060 or 1080. Recommended coreq: PHYS 2015
PHYS 2015	College Physics Lab I	1	A	MATH 1060 or 1080. Recommended coreq: PHYS 2010
PHYS 2020	College Physics II	4	A	PHYS 2010. Recommended coreq: PHYS 2025
PHYS 2025	College Physics Lab II	1	A	PHYS 2010. Recommended coreq: PHYS 2020
OR				
PHYS 2210	Physics Sci & Eng I	4	A	MATH 1210. Recommended coreq: PHYS 2215
PHYS 2215	Physics Sci & Eng Lab I	1	A	MATH 1210. Recommended coreq: PHYS 2210
PHYS 2220	Physics Sci & Eng II	4	A	PHYS 2210 and MATH 1220. Recommended coreq: PHYS 2225
PHYS 2225	Physics Sci & Eng Lab II	1	A	PHYS 2210 and MATH 1220. Recommended coreq: PHYS 2220

PSYCHOLOGY

COURSE		CR	SEM	PREREQUISITE
PSY 1010	Gen Psychology (SS)	3	A	

ELECTIVES: As needed to equal 90 semester credits

PRE-DENTISTRY OR PRE-MEDICINE

The completion of a bachelor's degree is required for entrance into medical school. A bachelor's degree is not required for dental school, but is highly recommended.

BIOLOGY: One or more academic years with related labs which may include:

COURSE		CR	SEM	PREREQUISITE
BIOL 1610	College Biology I	4	A	RDG 0990; MATH 0990 w/C grade or better or appropriate Accuplacer score. Coreq: BIOL 1615
BIOL 1615	College Biology Lab I	0	A	Coreq: BIOL 1610
BIOL 1620	College Biology II	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 1625
BIOL 1625	College Biology Lab II	0	A	Coreq: BIOL 1620
BIOL 2060	Microbiology	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 2065
BIOL 2065	Microbiology Lab	0	A	Coreq: BIOL 2060
BIOL 2320	Human Anatomy	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 2325
BIOL 2325	Human Anatomy Lab	0	A	Coreq: BIOL 2320
BIOL 2420	Human Physiology	4	A	BIOL 1610 w/C grade or better AND CHEM 1110 or CHEM 1210. Coreq: BIOL 2425
BIOL 2425	Human Physiology Lab	0	A	Coreq: BIOL 2420

NOTE: A cell biology course is strongly recommended.

CHEMISTRY: Two academic years with related labs which may include:

COURSE				
CHEM 1210	Gen Chem I	4	F,Sp	Math 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1215	Gen Chem Lab I	1	F,Sp	Math 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1220	Gen Chem II	4	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1225
CHEM 1225	Gen Chem Lab II	1	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1220
CHEM 2310	Organic Chem I	4	F,Sp	CHEM 1220 w/C grade or better. Recommended coreq: CHEM

				2315
CHEM 2315	Organic Chem Lab I	1	F,Sp	CHEM 1220 w/C grade or better. Recommended coreq: CHEM 2310
CHEM 2320	Organic Chem II	4	Sp,Su	CHEM 2310 w/C grade or better. Recommended coreq: CHEM 2325
CHEM 2325	Organic Chem Lab II	1	Sp,Su	CHEM 2310 w/C grade or better. Recommended coreq: CHEM 2320

ENGLISH/COMMUNICATION: One academic year of composition and/or speech which may include:

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermed Writing	3	A	ENGL 1010 w/C grade or better
COMM 1020	Prin Public Speaking	3	A	

HUMANITIES AND/OR SOCIAL SCIENCES: One course

MATHEMATICS

COURSE		CR	SEM	PREREQUISITE
MATH 1050	College Algebra	4	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score
MATH 1060	Trigonometry	3	A	RDG 0990; within last year MATH 1050 w/C grade or better or appropriate Accuplacer score
MATH 1210	Calculus I	4	A	Within the last year, MATH 1060 or 1080 w/C grade or better or appropriate Accuplacer score
MATH 1220	Calculus II	4	A	Within the last year Math 1210 w/C grade or better

NOTE: Most dental and medical schools favor a full year of calculus.

PHYSICS: one academic year with related labs which may include:

COURSE		CR	SEM	PREREQUISITE
PHYS 2010	College Physics I	4	A	MATH 1060 or 1080. Recommended coreq: PHYS 2015
PHYS 2015	College Physics Lab I	1	A	MATH 1060 or 1080. Recommended coreq: PHYS 2010
PHYS 2020	College Physics II	4	A	PHYS 2010. Recommended coreq: PHYS 2025
PHYS 2025	College Physics Lab II	1	A	PHYS 2010. Recommended coreq: PHYS 2020
OR				
PHYS 2210	Physics Sci & Eng I	4	A	MATH 1210. Recommended coreq: PHYS 2215
PHYS 2215	Physics Sci & Eng Lab I	1	A	MATH 1210. Recommended coreq: PHYS 2210
PHYS 2220	Physics Sci & Eng II	4	A	PHYS 2210 and MATH 1220. Recommended coreq: PHYS 2225
PHYS 2225	Physics Sci & Eng Lab II	1	A	PHYS 2210 and MATH 1220. Recommended coreq: PHYS 2220

SOCIAL SCIENCE: One course

PRE-LAW

No specific subjects are required. Any AS degree that leads to a BS degree will qualify. Pre-legal students must be able to express themselves clearly and forcefully in concise English and in writing. In addition, the following skills are desired: critical reading ability, analytical problem solving, general research and task organization and management.

PRE-OCCUPATIONAL THERAPY

BIOLOGY

COURSE		CR	SEM	PREREQUISITE
BIOL 1610	College Biology I	4	A	RDG 0990; MATH 0990 w/C grade or better or appropriate Accuplacer score. Coreq: BIOL 1615
BIOL 1615	College Biology Lab I	0	A	Coreq: BIOL 1610
BIOL 2320	Human Anatomy	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 2325
BIOL 2325	Human Anatomy Lab	0	A	Coreq: BIOL 2320
BIOL 2420	Human Physiology	4	A	BIOL 1610 w/C grade or better AND CHEM 1110 or CHEM 1210. Coreq: BIOL 2425

BIOL 2425	Human Physiology Lab	0	A	Coreq: BIOL 2420

PHYSICS

COURSE				
PHYS 2010	College Physics I	4	A	MATH 1060 or 1080. Recommended coreq: PHYS 2015
PHYS 2015	College Physics Lab I	1	A	MATH 1060 or 1080. Recommended coreq: PHYS 2010

STATISTICS: One course

TECHNICAL WRITING

COURSE		CR	SEM	PREREQUISITE
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

ANTHROPOLOGY

COURSE		CR	SEM	PREREQUISITE
ANTH 1010	Culture & Human Exp(ID)	3	A	
OR				
ANTH 2011	People/Culture of SW(HU)	3	A	ANTH 2011

PSYCHOLOGY

COURSE		CR	SEM	PREREQUISITE
PSY 1100	Human Growth& Dev (SS)	3	A	
OR				
FHS 1500	Lifespan Human Dev (SS)	3	A	
PSY 2300*	Abnormal Psychology	3	A	ENGL 1010 and PSY 1010

SOCIOLOGY OR HEALTH

COURSE		CR	SEM	PREREQUISITE
SOC 1010	Intro to Sociology (SS)	3	A	
OR				
SOC 1020	Social Problems (SS)	3	A	
OR				
SOC 2680	Sociology of Aging	3	A	SOC 1010
OR				
HLTH 1050	Life, Society & Drugs (ID)	3	A	

MEDICAL TERMINOLOGY

COURSE		CR	SEM	PREREQUISITE
MA 1100	Medical Terminology	2	A	

HEALTH

COURSE		CR	SEM	PREREQUISITE
HLTH 1200	First Aid and Safety	3	A	
HLTH 2200	Kinesiology	3	A	Recommended: BIOL 1090

MATHEMATICS

COURSE		CR	SEM	PREREQUISITE
MATH 1060	Trigonometry	3	A	RDG 0990; within last year MATH 1050 w/C grade or better or appropriate Accuplacer score

NOTE: The University of Utah's Occupational Therapy program is a junior level entry. A minimum of 13 upper division credits are required before entering the program.

*Course available as upper division at University of Utah.

PRE-PHARMACY

Students are expected to have completed all of their General Education requirements before applying to the Pharmacy program. A bachelor's degree is not required, but is highly recommended.

BIOLOGY:

COURSE		CR	SEM	PREREQUISITE
BIOL 1610	College Biology I	4	A	RDG 0990; MATH 0990 w/C grade or better or appropriate Accuplacer score. Coreq: BIOL 1615
BIOL 1615	College Biology Lab I	0	A	Coreq: BIOL 1610
BIOL 2320	Human Anatomy	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 2325
BIOL 2325	Human Anatomy Lab	0	A	Coreq: BIOL 2320
BIOL 2420	Human Physiology	4	A	BIOL 1610 w/C grade or better AND CHEM 1110 or CHEM 1210. Coreq: BIOL 2425
BIOL 2425	Human Physiology Lab	0	A	Coreq: BIOL 2420

CHEMISTRY: Two academic years with related labs which may include:

COURSE				
CHEM 1210	Gen Chem I	4	F,Sp	Math 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1215	Gen Chem Lab I	1	F,Sp	Math 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1220	Gen Chem II	4	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1225
CHEM 1225	Gen Chem Lab II	1	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1220
CHEM 2310	Organic Chem I	4	F,Sp	CHEM 1220 w/C grade or better. Recommended coreq: CHEM 2315
CHEM 2315	Organic Chem Lab I	1	F,Sp	CHEM 1220 w/C grade or better. Recommended coreq: CHEM 2310
CHEM 2320	Organic Chem II	4	Sp,Su	CHEM 2310 w/C grade or better. Recommended coreq: CHEM 2325
CHEM 2325	Organic Chem Lab II	1	Sp,Su	CHEM 2310 w/C grade or better. Recommended coreq: CHEM 2320

ENGLISH

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

MATHEMATICS

COURSE		CR	SEM	PREREQUISITE
MATH 1050	College Algebra	4	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score
MATH 1060	Trigonometry	3	A	RDG 0990; within last year MATH 1050 w/C grade or better or appropriate Accuplacer score
MATH 1210	Calculus I	4	A	Within the last year, MATH 1060 or 1080 w/C grade or better or appropriate Accuplacer score
MATH 1220	Calculus II	4	A	Within the last year Math 1210 w/C grade or better

PHYSICS: One academic year with related labs which may include:

COURSE		CR	SEM	PREREQUISITE
PHYS 2210	Physics Sci & Eng I	4	A	MATH 1210. Recommended coreq: PHYS 2215
PHYS 2215	Physics Sci & Eng Lab I	1	A	MATH 1210. Recommended coreq: PHYS 2210
PHYS 2220	Physics Sci & Eng II	4	A	PHYS 2210 and MATH 1220. Recommended coreq: PHYS 2225
PHYS 2225	Physics Sci & Eng Lab II	1	A	PHYS 2210 and MATH 1220. Recommended coreq: PHYS 2220

PRE-PHYSICAL THERAPY

BIOLOGY

COURSE		CR	SEM	PREREQUISITE
BIOL 1610	College Biology I	4	A	RDG 0990; MATH 0990 w/C grade or better or appropriate Accuplacer score. Coreq: BIOL 1615

BIOL 1615	College Biology Lab I	0	A	Coreq: BIOL 1610
BIOL 2320	Human Anatomy	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 2325
BIOL 2325	Human Anatomy Lab	0	A	Coreq: BIOL 2320
BIOL 2420	Human Physiology	4	A	BIOL 1610 w/C grade or better AND CHEM 1110 or CHEM 1210. Coreq: BIOL 2425
BIOL 2425	Human Physiology Lab	0	A	Coreq: BIOL 2420

CHEMISTRY: Two academic years with related labs which may include:

COURSE				
CHEM 1110	Elem Chemistry	4	A	MATH 1010 or appropriate Accuplacer score. Recommended coreq: CHEM 1115
CHEM 1115	Elem Chem Lab	1	A	MATH 1010 or appropriate Accuplacer score. Recommended coreq: CHEM 1110
CHEM 1120	Elem Bioorganic Chem	4	A	CHEM 1110. Recommended coreq: CHEM 1125
CHEM 1125	Elem Bio Chem Lab	1	A	CHEM 1110. Recommended coreq: CHEM 1120
OR				
CHEM 1210	Gen Chem I	4	F,Sp	Math 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1215	Gen Chem Lab I	1	F,Sp	Math 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1220	Gen Chem II	4	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1225
CHEM 1225	Gen Chem Lab II	1	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1220

ENGLISH

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermed Writing	3	A	ENGL 1010 w/C grade or better
OR				
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

HEALTH

COURSE		CR	SEM	PREREQUISITE
HLTH 1200	First Aid and Safety	3	A	

MATHEMATICS

COURSE		CR	SEM	PREREQUISITE
MATH 1050	College Algebra	4	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score
MATH 1060	Trigonometry	3	A	RDG 0990; within last year MATH 1050 w/C grade or better or appropriate Accuplacer score
OR				
MATH 1210	Calculus I	4	A	Within the last year, MATH 1060 or 1080 w/C grade or better or appropriate Accuplacer score

PHYSICS

COURSE		CR	SEM	PREREQUISITE
PHYS 2010	College Physics I	4	A	MATH 1060 or 1080. Recommended coreq: PHYS 2015
PHYS 2015	College Physics Lab I	1	A	MATH 1060 or 1080. Recommended coreq: PHYS 2010
PHYS 2020	College Physics II	4	A	PHYS 2010. Recommended coreq: PHYS 2025
PHYS 2025	College Physics Lab II	1	A	PHYS 2010. Recommended coreq: PHYS 2020

PSYCHOLOGY

COURSE		CR	SEM	PREREQUISITE
PSY 1010	Gen Psychology (SS)	3	A	
PSY 2300*	Abnormal Psychology	3	A	ENGL 1010 and PSY 1010

NOTE: The University of Utah's Physical Therapy program is a junior level entry. A bachelor's degree is required before entering the program.
*Course available as upper division at University of Utah.

PRE-VETERINARY

Any AS degree that leads to a BS degree will qualify, however we strongly encourage the Biology AS degree.

BIOLOGY: One or more academic years with related labs which may include:

COURSE		CR	SEM	PREREQUISITE
BIOL 1610	College Biology I	4	A	RDG 0990; MATH 0990 w/C grade or better or appropriate Accuplacer score. Coreq: BIOL 1615
BIOL 1615	College Biology Lab I	0	A	Coreq: BIOL 1610
BIOL 1620	College Biology II	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 1625
BIOL 1625	College Biology Lab II	0	A	Coreq: BIOL 1620
BIOL 2030	Genetics	4	F, Sp	BIOL 1610 w/C grade or better and CHEM 1210 w/C grade or better. Coreq: BIOL 2035
BIOL 2035	Genetics Lab	0	F, Sp	Coreq: BIOL 2030

CHEMISTRY: Three semesters with related labs which may include:

COURSE				
CHEM 1210	Gen Chem I	4	F,Sp	Math 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1215	Gen Chem Lab I	1	F,Sp	Math 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215
CHEM 1220	Gen Chem II	4	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1225
CHEM 1225	Gen Chem Lab II	1	Sp,Su	CHEM 1210. Recommended coreq: CHEM 1220
CHEM 2310	Organic Chem I	4	F,Sp	CHEM 1220 w/C grade or better. Recommended coreq: CHEM 2315
CHEM 2315	Organic Chem Lab I	1	F,Sp	CHEM 1220 w/C grade or better. Recommended coreq: CHEM 2310

MATHEMATICS

COURSE		CR	SEM	PREREQUISITE
MATH 1050	College Algebra	4	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score
MATH 1060	Trigonometry	3	A	RDG 0990; within last year MATH 1050 w/C grade or better or appropriate Accuplacer score
OR				
MATH 1210	Calculus I	4	A	Within the last year, MATH 1060 or 1080 w/C grade or better or appropriate Accuplacer score

PHYSICS: one semester with related labs which may include:

COURSE		CR	SEM	PREREQUISITE
PHYS 2010	College Physics I	4	A	MATH 1060 or 1080. Recommended coreq: PHYS 2015
PHYS 2015	College Physics Lab I	1	A	MATH 1060 or 1080. Recommended coreq: PHYS 2010

STATISTICS: One course

PSYCHOLOGY – ASSOCIATE OF SCIENCE (AS) 61 credits minimum

Psychology and Sociology Department
Taylorsville Redwood Campus, CT 254
General Information, (801) 957-4073
Program Information, (801) 957-4392
http://www.slcc.edu/psychology
Academic Advisor, TB 315, (801) 957-4294

Program Faculty:
Associate Professors – Larry R. Christensen, Howard Ingle, Katerina Salini
Assistant Professors – Lora L. Harpster, Karen Kwan, Shannon Flynt
Instructors – Lara Field

Program Description: The Psychology department offers individual courses in psychology, as well as a two-year AS degree. Listed below is the recommended course of study for the AS degree.

Transfer/Articulation Information: Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Estimated Cost for Students: Tuition and books based on the number of credit hours each semester.

Estimated Time to Completion: If students follow the suggested sample schedule, completion time is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1. Theory and Content of Psychology. Students will demonstrate familiarity with the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology.	1 – Substantive Knowledge
2. Communication Skills. Students will be able to communicate effectively in a variety of formats.	2 – Communicate Effectively
3. Research Methods in Psychology. Students will understand and apply basic research methods in psychology, including research design, data analysis, and interpretation.	3 – Develop Quantitative Literacy
4. Critical Thinking Skills in Psychology. Students will gain experience in critical and creative thinking, skeptical inquiry, and, when possible, the scientific approach to solve problems related to behavior and mental processes.	4 – Think Critically
5. Civic Engagement. Students will develop the following skills and knowledge to by civically engaged and /or to work with others in a professional and constructive manner.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) CHOOSE ONE COURSE (3 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
MATH 1030	Quantitative Reasoning	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score
OR				
MATH 1040	Intro to Statistics	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3
Physical Science (PS)	3

REQUIRED COURSES: (3 CREDITS)

COURSE		CR	SEM	PREREQUISITE
PSY 1010	General Psychology (SS)	3	A	

NOTE: Students may use PSY 1010/PSY 1100 to fill a Major Course Requirement or a General Education Distribution Area in Social Science, <u>but not both</u>.

If PSY 1010/PSY 1100 are used to fill the Social Science Requirement, select 15 credit hours of Psychology courses from the following:

PROGRAM ELECTIVES: (SELECT 12 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
PSY 1100	Human Growth (SS)	3	A	
PSY 2010	Psych as a Sci & Prof	3	F, Sp	PSY 1010 and ENGL 1010
PSY 2250	Personality Theory	3	TBA	PSY 1010 and ENGL 1010
PSY 2300	Abnormal Psych	3	TBA	PSY 1010 and ENGL 1010
PSY 2500	Social Psychology	3	F, Sp	PSY 1010 or SOC 1010; and ENGL 1010
PSY 2710	Brain and Behavior	3	F, Sp	PSY 1010
PSY 2900	Special Topics	1-3	TBA	PSY 1010 and instructor approval

ELECTIVES:

Complete 12 credits from the following or <u>any</u> college course numbered 1000 or above.

COURSE		CR	SEM	PREREQUISITE
PSY 1210	Personal Growth Dev	3	A	
PSY 1900	Special Studies	1-2	A	PSY 1010 or instructor approval
PSY 2000	CO-OP Intern	2-4	A	PSY 1010, sophomore standing, 2.0 GPA and study related employment
PSY 2370	Gender in America (SS/DV)	3	TBA	PSY 1010 or SOC 1010
PSY 2400	Eco-Psychology	3	TBA	PSY 1010
PSY 2600	Psy Race, Class, Gender	3	TBA	PSY 2500

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ENGL 1010	3	ENGL 2010	3
MATH 1030/1040	3	DISTRIBUTION (2)	6
AI	3	STUDENT CHOICE	3
PSY 1010	3	PSY COURSE	3
ELEC	3		
Total	**15**	**Total**	**15**
FALL SEMESTER		**SPRING SEMESTER**	
DISTRIBUTION (2)	6	DISTRIBUTION (2)	6
PSY COURSE (2)	6	PSY COURSE	3
ELEC	3	ELEC (2)	6
HLAC	1		
Total	**16**	**Total**	**15**

Advising Notes: It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program.

The semesters in which courses are taught are listed above. Students should check the semester class schedule for day/evening availability and modifications caused by varying enrollment.

RADIOLOGIC TECHNOLOGY
– ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 75 credits including prerequisites

Allied Health Division
Jordan Campus, JCHSC 059A
General Information, (801) 957-6215
Program Information, (801) 957-6215
http://www.slcc.edu/radtech
Academic Advising, JHS 047, (801) 957- 6407
Health Science Admissions, JHS 047, (801) 957-6253

Program Faculty:
Professors – Lisa Wood
Associate Professors – David Neil
Instructors – Rebecca Lowell

Program Description: The Associate of Applied Science degree in Radiologic Technology leads to a national certification and state licensure. The program offers students didactic and clinical experiences to learn skills of an entry-level radiographer. Radiology courses are taught at Jordan Health Sciences Bldg, Jordan Campus and clinical education occurs at local health care facilities. Students can complete General Education classes at any SLCC Campus location.

Career Opportunities: Radiographers provide patient services using imaging modalities at the request of physicians qualified to prescribe and/or perform radiologic procedures. A radiographer performs radiographic procedures, applies principles of radiation protection, evaluates radiographs for technical quality, exercises professional judgment and provides patient care. Radiographers can find employment in hospitals, clinics, private offices, industry and public health facilities.

Transfer/Articulation Information: Students who are transferring credits from other institutions, Advanced Placement (AP) or College Level Examination Program (CLEP) scores should submit them to SLCC's Incoming Transcripts Office and submit the form, "Request for Evaluation of Transfer Credits. For more information, log on to http://www.slcc.edu/transcriptevaluation. Transfer evaluation may take up to six weeks to complete. All transfer credits, AP and CLEP scores must be posted before submitting the Health Sciences Admission Application. It is highly recommended that students meet with the Health Sciences advisor upon completion of the evaluation process to review transfer credits, AP and CLEP scores

Program Entry Requirements:

ADMISSIONS PROCESS

1. Students who are not a current SLCC student or who have not attended in past two years should apply or reapply for college admission as a matriculated (degree-seeking) student.
2. Declare a major in Health Sciences, Pre-Radiologic Technology on SLCC application for admission OR change major in MyPage.
3. Submit the Health Sciences Application with the required documents attached to the Health Sciences Admissions Office, according to application due dates detailed on the website, www.slcc.edu/hs/admissions.

APPLICATION REQUIREMENTS (2013)

1. Completed Application Packet for Program
2. Include a full-face picture with application.
3. HESI (Health Education Systems, Incorporated) A2 exam with a total overall score of 75%.
4. Proof of Immunizations and CPR certification form; must be included in application packet.
5. Background check through SLCC's authorized vendor; provide confirmation number on application. In addition, it will *be the responsibility of the student to contact www.arrt.org and seek advice regarding eligibility for licensure and requirements needed to progress in this profession, if the criminal background check discloses issues of concern.*
6. One page typed essay documenting healthcare work and/or volunteer experience; must be included with application signed by an individual who witnessed the healthcare work or experience and the time observed.
7. Group interview upon notification.

NOTE: See program website for detailed information: http://www.slcc.edu/radtech/index.asp

REQUIRED PREREQUISITE COURSES:

Courses listed below (or equivalent transfer credit, AP or CLEP) must be completed with a C grade or better with the exception of BIOL 2320 and BIOL 2325 which must be completed with a **B- grade or better**.

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
MATH 1010	Intermed Algebra	4	A	RDG 0900; and within the last year MATH 0990 w/C grade of better or appropriate Accuplacer score
BIOL 2320	Human Anatomy	4	A	BIOL 1610 w/C grade or better. Coreq: BIOL 2325
BIOL 2325	Human Anatomy Lab	0	A	Coreq: BIOL 2320
RADS 1010	Intro Radiologic Tech	2	A	

NOTE: It is the student's responsibility to examine each course description for details of other prerequisite classes. Those prerequisites must be satisfied before the designated program prerequisite course may be taken.

IMMUNIZATION / CPR / DRUG TESTING / BACKGROUND REQUIREMENTS

- Annual Influenza Vaccination
- PPD (tuberculosis skin test)
- Tetanus, Diphtheria and Pertussis (Tdap)
- Measles, Mumps, Rubella (MMR)
- Varicella (Chicken Pox)
- Hepatitis B vaccination series
- Hepatitis A vaccination series
- Current CPR – Two-year Health Care Provider
- Drug Testing, student will be notified
- Completed Background via SLCC vendor

NOTE: See program website for detailed information on immunizations www.slcc.edu/radtech

Estimated Cost for Students: Estimated Cost of Core Curriculum for Resident Students: $7500
Approximate cost course fees: $350

Estimated Time to Completion: Students will follow the program semester schedule. It will take four semesters and one summer semester (Fall, Spring, Summer, Fall, Spring), to complete the program.

Specialized Accreditation: The program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT), 20 N. Wacker Dr., Suite 2850, Chicago, IL 60606-3182. Graduates are eligible to take the American Registry of Radiologic Technology (ARRT) examination in Radiography.

Program Objectives:
See program website for detailed information on the Radiology Technology Program assessment outcomes www.slcc.edu/radtech

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1. The student will have entry level employment skills	1 & 5
2. Students will develop effective communication, critical thinking, and problem solving skills	2,3 & 4
3. Students will demonstrate personal growth and professional development	1, 3 & 5
4.The program will provide an adequate number of qualified entry-level technologists to meet the needs of the community	1 & 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
OR				
ENGL 2010	Intermed Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE STUDIES (QS) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Intermed Algebra	4	A	RDG 0900; and within the last year MATH 0990 w/C grade of better or appropriate Accuplacer score
OR				
MATH 1050	College Algebra	4	A	RDG 0900; and within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score

COMMUNICATION (CM) 3 CREDITS

COMM 1010	Elem Effective Comm	3	A

NOTE: Students have to be admitted to the program before they can take any Radiologic Technology Courses listed below. The program requires four consecutive semesters and one summer term of full-time day commitment with an average weekly involvement of 35 hours. Students must receive a C grade or better in all courses to remain in the program.

REQUIRED COURSES: (59 CREDITS)

COURSE		CR	SEM	PREREQUISITE
CIS 1020	Computer Essentials	3	A	
RADS 1020	Rad Anat & Proc I	4		Admission to the program
RADS 1030	Radiographic Imaging I	2		Admission to the program
RADS 1040	Clinical Education I	4		Admission to the program
RADS 1050	Patient Care	2		Admission to the program
RADS 1110	Radiation Protection	2		RADS 1030
RADS 1120	Rad Anat & Procedure II	4		RADS 1020
RADS 1130	Radiographic Imaging II	4		RADS 1030
RADS 1140	Clinical Education II	4		RADS 1040
RADS 1220	Rad Anat & Procedure III	2		RADS 1120
RADS 1240	Clinical Education III	3		RADS 1140
RADS 2010	Image Analysis	2		RADS 1220
RADS 2020	Rad Anat & Procedure IV	2		RADS 1220
RADS 2030	Radiographic Imaging III	2		RADS 1130
RADS 2040	Clinical Education IV	4		RADS 1240
RADS 2050	Adv Patient Care	2		RADS 1050
RADS 2060	Radiobiology	2		Completion of prior semester courses per curriculum plan
RADS 2100	Comp Radiology	3		RADS 1030
RADS 2110	Radiographic Pathology	2		RADS 2050
RADS 2120	Sectional Anatomy	2		Completion of prior semester courses per curriculum plan
RADS 2140	Clinical Education V	4		RADS 2040

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
RADS 1020	4	RADS 1110	2
RADS 1030	2	RADS 1120	4
RADS 1040	4	RADS 1130	4
RADS 1050	2	RADS 1140	4
Total	**12**	**Total**	**14**
SUMMER SEMESTER			
RADS 1220	2		
RADS 1240	3		
RADS 2050	2		
CIS 1020*	3		
TOTAL	**10**		
FALL SEMESTER		**SPRING SEMESTER**	
RADS 2020	2	RADS 2100	3
RADS 2030	2	RADS 2010	2
RADS 2040	4	RADS 2120	2
RADS 2060	2	RADS 2140	4
RADS 2110	2	COMM 1010*	3
Total	**12**	**Total**	**14**

***CIS 1020 and COMM 1010 are highly recommended to be taken with the pre-requisites prior to entering program**

Advising Notes: Radiology classes are held during the day, either 1 to 2 days per week depending on the semester. Clinical education experiences are held during the day, 3 days per week. Students may be required to attend non-traditional clinical hours (evenings & weekends) at some facilities. Weekend shifts in the hospitals allow the student to see a variety of examinations and work more independently than during the week. These rotations will be limited to once a month. Hospitals requiring this will be announced during new student orientations.

An evening program is offered every even-numbered year. Classes are held either 1 or 2 nights per week depending on the semester. Clinical education experiences are held during the evening, 3 evenings per week, (some semesters requiring a 2 evening and 1 day rotation).

Clinical and academic involvement for students may never exceed 40 hours per week.

SOCIAL WORK – ASSOCIATE OF ARTS (AA) 64 credits minimum

Education, Family & Human Studies and Social Work Department
Taylorsville Redwood Campus, Eccles ECD Lab School
General Information, (801) 957-4073
Program Information, (801) 957-5035
http://www.slcc.edu/socialwork
Academic Advisor, TB 315, (801) 957-4294

Program Faculty:
Associate Professors – Mequette Sorensen, Enrique Velasquez

Program Description: Social Work students learn to provide professional services for emotionally, economically or socially disadvantaged persons.

This introductory level program will acquaint students to the multi-faceted, multi-skilled Social Work profession. Students learn issues in the provision of services to emotionally, economically, mentally or socially disadvantaged persons. The program also requires internships where the student will learn to apply and further understand theoretical frameworks discussed in class.

Transfer/Articulation Information: Due to the numerous possibilities, it is suggested that students consult the Social Work Academic Advisor for information on how the higher education institutions accept credits for a given class. For specific information, contact the institution in which the transfer of credit is desired or the Social Work Academic Advisor.

WEBER STATE UNIVERSITY
ANTH 1010, BIOL 1090, PSY 1010, SOC 1010, SW 1010, SW 2100.

UNIVERSITY OF UTAH
BIOL 1010 or BIOL 1090 or BIOL 1610; POLS 1100, PSY 1010, SOC 1010, SW 1010, SW 2100, SW 2650. Community service is highly valued by the admissions committee at this institution.

UTAH STATE UNIVERSITY
ANTH 1010, BIOL 1010, FHS 1500, MATH 1040, PSY 1010, SOC 1010, SW 1010, SW 2100. SW 1010 must be completed with a C+ or better; all other classes with a C or better.

UTAH VALLEY UNIVERSITY
ENGL 1010 & ENGL 2010 with a C+ or better. SW 1010 with a B- or better. Community service is highly valued by the admissions committee at this institution.

Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See the Social Work Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Estimated Time to Completion: If students follow the suggested sample schedule, completion time is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
Acquire substantive knowledge of fundamental concepts in specific fields of social work such as Human Behavior, Social Welfare Policy, Mental Health, Drug and Alcohol Abuse, Group Therapy and Ethics. Be prepared for further study in social work or a related discipline at a four-year college or university.	1 – Substantive Knowledge
Effectively communicate orally and in writing about case-related issues specific to the social work field.	2 – Communicate Effectively
Use and interpret information represented as data, graphs, and tables to analyze and understand human behavior in individuals, groups, families, organizations , communities, globally and /or other topics in social work.	3 – Develop Quantitative Literacy

Demonstrate orally and in writing understanding of key aspects of critical thinking such as reasoning, problem-solving, strengths identification and case-related issues specific to the social work field.	4 – Think Critically
Develop and demonstrate in class, writing assignments and an internship the knowledge, ethical practice and skills to be civically engaged and to participate within society.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) CHOOSE ONE COURSE (3 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
MATH 1030	Quant Reasoning	3	A	RDG 0990; within the last year MATH 1010 w/C grade or better or appropriate Accuplacer score
OR				
MATH 1040	Intro to Statistics	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

*POLS 1100 required for the University of Utah Social Work program

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3
Physical Science (PS)	3

NOTE: PSY 1010 is recommended for the Social Science (SS) Distribution requirement.

LANGUAGE (LN) 5 CREDITS

COURSE		CR	SEM	PREREQUISITE
SPN 1020	Beginning Spanish II (LN)	5	A	SPAN 1010 or instructor approval

REQUIRED COURSES: (25 CREDITS)

COURSE		CR	SEM	PREREQUISITE
SOC 1010	Intro to Sociology (SS)	3	A	
SW 1010	Intro Social Wk	3	A	
SW 2100	Hu Beh Soc Env	3	A	
SW 2230	Intro Grp Ther	2	F, Sp	SW 2720
SW 2280	Drug/Alch Abus	2	F, Sp	SW 1010 and 2100
SW 2650	Soc Welfare Po	3	A	
SW 2720	Mental Health	2	F, Sp	SW 1010 and 2100

SW 2750	Ethics Soc Wk	2	F, Sp	SW 2720
SW 2940	Social Work Internship	5	F, Sp	SW 2750

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ENGL 1010	3	ENGL 2010	3
MATH 1030/1040	3	SOC 1010	3
SW 1010	3	SW 2720	2
SW 2100	3	SW 2650	3
PHYS SCI	3	PSY 1010 (SS)	3
ID	3	HLAC	1
Total	**18**	**Total**	**15**
FALL SEMESTER		**SPRING SEMESTER**	
BIOL SCI	3-4	SW 2940	5
SW 2750	2	HU	3
SW 2230	2	STUDENT CHOICE	3
SW 2280	2	SPAN 1020	5
AI	3		
FA	3		
Total	**15-16**	**Total**	**16**

Advising Notes: SW 2940 (Internship) should be completed during the last semester of course work. See Social Work Faculty for more details.

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. It is important that all students take Psychology 1010 and Sociology 1010 early in the program.

Additional Program Notes: Semesters in which courses are taught are listed above. Students should check the semester class schedule for day/evening availability and modifications caused by varying enrollment.

SOCIAL WORK – ASSOCIATE OF SCIENCE (AS) 62 credits minimum

Education, Family & Human Studies and Social Work Department
Taylorsville Redwood Campus, Eccles ECD Lab School
General Information, (801) 957-4073
Program Information, (801) 957-5035
http://www.slcc.edu/socialwork
Academic Advisor, TB 315, (801) 957-4294

Program Faculty:
Associate Professors – Mequette Sorensen, Enrique Velasquez

Program Description: Due to the numerous possibilities, it is suggested that students consult the Social Work Academic Advisor for information on how the higher education institutions accept credits for a given class. For specific information, contact the institution in which the transfer of credit is desired or the Social Work Department.

WEBER STATE UNIVERSITY
ANTH 1010, BIOL 1090, PSY 1010, SOC 1010, SW 1010, SW 2100.

UNIVERSITY OF UTAH
BIOL 1010 or BIOL 1090 or BIOL 1610; POLS 1100, PSY 1010, SOC 1010, SW 1010, SW 2100, SW 2650. Community service is highly valued by the admissions committee at this institution.

UTAH STATE UNIVERSITY
ANTH 1010, BIOL 1010, FHS 1500, MATH 1040, PSY 1010, SOC 1010, SW 1010, SW 2100. SW 1010 must be completed with a C+ or better; all other classes with a C or better.

UTAH VALLEY UNIVERSITY
ENGL 1010 & ENGL 2010 with a C+ or better. SW 1010 with a B- or better. Community service is highly valued by the admissions committee at this institution.

Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See the Social Work Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
Acquire substantive knowledge of fundamental concepts in specific fields of social work such as Human Behavior, Social Welfare Policy, Mental Health, Drug and Alcohol Abuse, Group Therapy and Ethics. Be prepared for further study in social work or a related discipline at a four-year college or university.	1 – Substantive Knowledge
Effectively communicate orally and in writing about case-related issues specific to the social work field.	2 – Communicate Effectively
Use and interpret information represented as data, graphs, and tables to analyze and understand human behavior in individuals, groups, families, organizations , communities, globally and /or other topics in social work.	3 – Develop Quantitative Literacy
Demonstrate orally and in writing understanding of key aspects of critical thinking such as reasoning, problem-solving, strengths identification and case-related issues specific to the social work field.	4 – Think Critically
Develop and demonstrate in class, writing assignments and an internship the knowledge, ethical practice and skills to be civically engaged and to participate within society.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) CHOOSE ONE COURSE (3 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
MATH 1030	Quantitative Reasoning	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score
OR				
MATH 1040	Intro to Statistics	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
*POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

*POLS 1100 required for University of Utah Social Work Program

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3
Physical Science (PS)	3

NOTE: PSY 1010 is recommended for the Social Science (SS) Distribution requirement.

REQUIRED COURSES: (25 CREDITS)

COURSE		CR	SEM	PREREQUISITE
SOC 1010	Intro to Sociology (SS)	3	A	
SW 1010	Intro Social Wk	3	A	
SW 2100	Hu Beh Soc Env	3	A	
SW 2230	Intro Grp Ther	2	F, Sp	SW 2720
SW 2280	Drug/Alch Abus	2	F, Sp	SW 1010 and 2100
SW 2650	Soc Welfare Po	3	A	
SW 2720	Mental Health	2	F, Sp	SW 1010 and 2100
SW 2750	Ethics Soc Wk	2	F, Sp	SW 2720
SW 2940	Social Work Internship	5	F, Sp	SW 2750

ELECTIVES: (SELECT 3 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
ETHS 2410	African Amer (SS, DV)	3	TBA	
ETHS 2420	Asian American (SS, DV)	3	TBA	
ETHS 2430	Mexican Amer (SS, DV)	3	TBA	
ETHS 2440	Native American (SS, DV)	3	TBA	
SW 1900	Special Studies	1-2	A	SW 1010
SW 2900	Special Topics	1-3	TBA	

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ENGL 1010	3	ENGL 2010	3
MATH 1030/1040	3	SOC 1010	3
SW 1010	3	SW 2720	2
SW 2100	3	SW 2650	3
ID	3	PSY 1010 (SS)	3
		HLAC	1
Total	**15**	**Total**	**15**
FALL SEMESTER		**SPRING SEMESTER**	
BIOL SCI	3-4	SW 2940	5
SW 2750	2	SW ELEC	3
SW 2230	2	STUDENT CHOICE	3
SW 2280	2	HU	3
AI	3	PHYS SCI	3
FA	3		
Total	**15-16**	**Total**	**17**

Advising Notes: SW 2940 (Internship) should be completed during the last semester of course work. See Social Work Faculty for more details.

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. It is important that all students take Psychology 1010 and Sociology 1010 early in the program.

Additional Program Notes: Semesters in which courses are taught are listed below. Students should check the semester class schedule for day/evening availability and modifications caused by varying enrollment

SOCIOLOGY – ASSOCIATE OF SCIENCE (AS) 61 credits minimum

Psychology and Sociology Department
Taylorsville Redwood Campus, CT 254
General Information, (801) 957-4073
Program Information, (801) 957-4392
http://www.slcc.edu/psychology
Academic Advisor, TB 315, (801) 957-4294

Program Faculty:
Professors – Anne Graham, Deidre Tyler
Associate Professors – Spencer Blake
Instructors – Dwight Adams

Program Description: Sociology is concerned with social causes and consequences of human behavior. Subject matter ranges from the family to deviant behavior, gender to social problems, divisions of race, ethnicity and class to shared beliefs of a common culture. A degree in sociology will prepare students for degrees/careers in the social sciences, law, business and other professions. Social work students are also encouraged to take courses in sociology in order to establish a strong theoretical base. A recommended course of study is listed below.

The Sociology Department offers individual courses in sociology as well as a two-year AS degree with an emphasis in sociology.

Transfer/Articulation Information: Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Estimated Time to Completion: If students follow the suggested sample schedule, completion time is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
Acquire substantive knowledge of sociology. Be prepared for further study in sociology or a related discipline at a four-year college or university. Understand key concepts, theories, terms, definitions, and events, relating to the field of sociology. Understand key concepts, events and theories relating to social institutions, social groups, race, gender, and social stratification. Expose students to the social science methodology and how that is applied to social structure and social environments.	1 – Substantive Knowledge
Effectively communicate orally and in writing about key concepts and significant topics in sociology social institutions, gender, class, race, and other topics of sociology.	2 – Communicate Effectively
Use and interpret information represented as data, graphs, and tables to analyze human behavior, social institutions, gender issues, racial discrimination, and/or other topics in sociology.	3 – Develop Quantitative Literacy
Demonstrate in writing their understanding of key aspects of critical thinking such as claims and evidence analysis, identification of fallacious argumentation, hypotheses, and concepts pertinent to sociology.	4 – Think Critically
Develop and demonstrate the knowledge and skills to be civically engaged and to participate with society.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1040	Intro to Statistics	3	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score

AMERICAN INSTITUTIONS (AI) CHOOSE 3 CREDITS FROM ONE OF THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

DISTRIBUTION AREAS:

Choose one course (three credit hours) from each of the following distribution areas. One of the courses must also be a Diversity course (DV).

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Social Science (SS)	3
Physical Science (PS)	3

REQUIRED COURSES: (6 CREDITS)

COURSE		CR	SEM	PREREQUISITE
SOC 1010	Intro Sociology (SS)	3	A	
SOC 2370	Gender in America(SS,DV)	3	F, Sp	SOC 1010 or PSY 1010
OR				
SOC 2630	Race/Ethnicity (SS, DV)	3	F, Sp	SOC 1010

NOTE: Students may use SOC 1010 to fill a Major Course Requirement or a General Education Distribution Area in Social Science (SS), <u>but not both</u>.

PROGRAM ELECTIVES: (SELECT 6 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
SOC 1020	Social Problems (ID)	3	A	
SOC 1900	Independent Studies	1-2	TBA	SOC 1010
SOC 2370	Gender in Amer (SS, DV)	3	F, Sp	SOC 1010 or PSY 1010
SOC 2400	Intermountain West (ID)	3	F, Sp	
SOC 2600	Marriage & Family	3	F, Sp	SOC 1010
SOC 2630	Race/Ethnicity (SS, DV)	3	F, Sp	SOC 1010

NOTE: Students may use Sociology courses to fill Major Course Requirements or General Education Distribution Areas, <u>but not both</u>.

ELECTIVES:
Complete 15 credits from the following or <u>any</u> college course numbered 1000 or above. MATH 1010 may apply toward the 15 credits of electives.

COURSE		CR	SEM	PREREQUISITE
SOC 1010	Intro to Sociology (SS)	3	A	
SOC 1020	Social Problems (ID)	3	A	
SOC 1900	Independent t Studies	1-2	TBA	SOC 1010
SOC 2370	Gender in Amer (SS,DV)	3	F, Sp	SOC 1010 or PSY 1010
SOC 2400	Intermountain West (ID)	3	A	
SOC 2600	Marriage & Family	3	F, Sp	SOC 1010
SOC 2630	Race & Ethnicity (SS, DV)	3	F, Sp	SOC 1010
SOC 2900	Special Topics	1-3	TBA	SOC 1010

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ENGL 1010	3	ENGL 2010	3
MATH 1040	3	DISTRIBUTION (2)	6
SOC 1010	3	S0C 2370 or 2630	3
ELEC	3	STUDENT CHOICE	3
AI	3	HLAC	1
Total	**15**	**Total**	**16**
FALL SEMESTER		**SPRING SEMESTER**	
SOC ELEC	3	SOC ELEC	3
DISTRIBUTION (2)	6	DISTRIBUTION (2)	6
ELEC (2)	6	ELEC (2)	6
Total	**15**	**Total**	**15**

<u>Advising Notes</u>: It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. Students who need to take preparatory classes to meet requirements of first semester courses should plan on extra time to complete the program.

The semesters in which courses are taught are listed above. Students should check the semester class schedule for day/evening availability and modifications caused by varying enrollment.

SURGICAL TECHNOLOGY – CERTIFICATE OF COMPLETION[CTE] 32 credits

Allied Health Division
Jordan Campus, JCHSC 059A
Program Information, (801) 957-6215
http://www.slcc.edu/surgicaltech
Academic Advising, JHS 047, (801) 957- 6407
Health Science Admissions, JHS 047, (801) 957-6253

Program Faculty:
Instructors – Gregory Maughan, Jana Mitchell

Program Description: The Surgical Technology program prepares individuals to work primarily in the operating room. Students will be placed in two clinical facilities, a different one each semester. These clinical placements are made at the discretion of the clinical instructor. Clinical is in the second semester from about 7 a.m. to 3 p.m., Monday through Thursday. Students must provide their own transportation to and from the clinical sites. Upon completion of the program, the Surgical Technology student receives a certificate of completion.

Career Opportunities: The surgical technologist, working under the direct supervision of a registered nurse, functions as an integral member of a surgical team in assisting with surgical procedures, creating and maintaining the sterile surgical field and, setting up and handing the instruments, sutures and other equipment needed to do the procedure and also is responsible for care of the instruments before and after the procedure. Employment opportunities are also available in surgical centers, labor and delivery, ER's and doctors' offices.

The surgical technologist must be in good physical and mental health to withstand rigors of the job. Enrollment in the Surgical Technology program is limited to the number of available clinical sites. Applicants must submit all application documentation to Enrollment Services.

This is a service learning program requiring students to perform six hours of guided community service.

Transfer/Articulation Information: Students who are transferring credits from other institutions, Advanced Placement (AP) or College Level Examination Program (CLEP) scores should submit them to SLCC's Incoming Transcripts Office and submit the form, "Request for Evaluation of Transfer Credits. For more information, log on to http://www.slcc.edu/transcriptevaluation. Transfer evaluation may take up to six weeks to complete. All transfer credits, AP and CLEP scores must be posted before submitting the Health Sciences Admission Application. It is highly recommended that students meet with the Health Sciences advisor upon completion of the evaluation process to review transfer credits, AP and CLEP scores.

Program Entry Requirements:

ADMISSIONS PROCESS

1. New students to SLCC student and SLCC students who have not attended in past two years must apply for admission as a matriculated (degree-seeking) student.
2. Declare a major in Health Sciences, Pre-Surgical Technology on SLCC application for admission OR change major in MyPage.
3. Submit the Health Sciences Application with the required documents attached to the Health Sciences Admissions Office, according to application due dates detailed on the website, http://www.slcc.edu/hs/admissions/index.asp.

APPLICATION REQUIREMENTS (Admission Application in 2013)

1. Completed Application Packet for Program
2. HESI (Health Education Systems, Incorporated) A2 exam.
3. Proof of Immunizations and CPR certification form; must be included in application packet.
4. Background check through SLCC's authorized vendor; provide confirmation number on application.
5. Group interview upon notification.

NOTE: See program website for detailed information: http://www.slcc.edu/surgicaltech/index.asp

PROGRAM COURSE PREREQUISITES

Courses listed below must be completed with the noted grade requirements/conditions:

- MATHEMATICS
  - *Accuplacer* arithmetic level math score of 75 or Elementary Algebra score 54 (*both valid for 1 year*)
  - ACT Math score of 18 (valid for 1 year)
  - MATH 0990 (C *grade or better, valid for 1 year*)
- ENGL 1010 (*C grade or better)*
- BIOL 2320/2325 (*C+ grade or better, valid for 5 years)*

NOTE: It is the student's responsibility to examine each course description for details of prerequisite classes. Prerequisites must be satisfied before the designated class is taken. Successful completion of all prerequisite classes is required before admission to the program.

IMMUNIZATION CPR / DRUG TESTING / BACKGROUND REQUIREMENTS

- Annual Influenza Vaccination
- PPD (tuberculosis skin test)
- Tetanus, Diphtheria and Pertussis (Tdap)
- Measles, Mumps, Rubella (MMR)
- Varicella (Chicken Pox)
- Hepatitis B vaccination series
- Hepatitis A vaccination series
- Current CPR – Two-year Health Care Provider
- Drug Testing, student will be notified
- Completed Criminal Background via SLCC vendor

NOTE: See program website for detailed information on immunizations http://www.slcc.edu/surgicaltech/index.asp

Course Fees: Approximate cost $150

Estimated Cost for Students: Estimated Cost of Core Curriculum for Resident Students: $8200

Specialized Accreditation: Accreditation Review Council on Education in Surgical Technology and Surgical Assisting, 6 W. Dry Creek Circle, Suite #110, Littleton, CO 80120

Program Objectives: Please see the SLCC Surgical Technology website for program assessment outcomes. www.slcc.edu/surgicaltech

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1. Prepare competent entry-level surgical technologists in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.	1,2,3,4,5
2. Prepare surgical technology students to pass the Certification for the Surgical Technologist NBSTSA Exam.	3,4
3. Prepare surgical technologists who are able to independently scrub basic, intermediate, and some advanced core area surgical interventions in Endoscopy, General, Obstetrics and Gynecology, Otorhinolaryngology, Genitourinary, and Orthopedic specialties.	2,3,4
4. Engage students in a clinical experience under the supervision of an experienced surgical technologist. 140 procedures are first scrubbed, 40 of which are solo.	1,2,3,4
5. Develop effective communication skills including reading, writing, speaking and listening skills as necessary in the surgical setting.	1,2,4
6. Develop reasoning, problem solving, anticipation, and prioritization skills in the surgical setting, in order to effectively create and organize the sterile field for efficiency, safety and conservation of financial resources.	4,5

7. Develop a sense of civic engagement in order to work with others in a professional and constructive manor in the medical arena.	1,5
8. Prepare students to serve diverse patient populations with an ability to meet their individual needs; these populations include those of diverse ethnicity, religion, disability, gender, age, and sexual orientation.	1,2,5
9. Develop a strong surgical conscience in students, placing the patient first always.	1,2,4,5

REQUIRED COURSES: (32 CREDITS)

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem Eff Comm	3	A	
PSY 1100	Human Growth & Dev	3	A	
OR				
PSY 1210	Personal Growth & Dev	3	A	
MA 1100	Medical Terminology	2	A	
SURG 1200	Intro Surgical Technology	6	F	Admission to program
SURG 1250	Adv Surgical Technology	6	F	SURG 1200 AND BIOL 2320/2325
SURG 1500	Surgical Procedures I	1	Sp	SURG 1250. Coreq: SURG 1510
SURG 1510	Surgical Practicum I	5	Sp	SURG 1250. Coreq: SURG 1500
SURG 1600	Comprehensive Surg Tech	1	Sp	SURG 1400 and 1410. Coreq: SURG 1610
SURG 1610	Surgical Practicum II	5	Sp	SURG 1400 and 1410. Coreq: SURG 1600

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
PSY 1210/1100	3	COMM 1010	3
MA 1100	2	SURG 1500	1
SURG 1200	6	SURG 1510	5
SURG 1250	6	SURG 1600	1
		SURG 1610	5
TOTAL	**17**	**TOTAL**	**15**

VISUAL ART AND DESIGN

Visual Art & Design Department
South City Campus, SC N281
General Information, (801) 957-4073
Program Information, (801) 957-4325
http://www.slcc.edu/visualart
Academic Advisor, Cindy Clark, SC W138, (801) 957-3361

Program Faculty:
ADAMSON, Rob – *Professor,* BFA Drawing & Painting, MFA Drawing & Painting
BUDD, Brent – Associate Professor, BFA University of Utah
CHAMBERS, Sheila – *Professor,* BA Communications, MFA Illustration
CURRAN, Jessica – *Instructor,*
EREKSON, J. Chad – *Assistant Professor,* BFA Animation
GRAHAM, Rick – *Professor,* BFA Drawing & Painting, MFA Drawing & Painting
GRUENDELL, Lana – *Professor,* AAS Graphic Design, BFA Drawing & Painting, MEd Educational Technology
GONZALES, Kerry – *Associate Professor,* BFA Graphic Design
HYANS, Whitney King – *Associate Professor,* BS Photography, BFA Photography, MFA Photography
MARTIN, Terry – *Assistant Professor,* CERT Photography, AAS / AA General & Photography, BFA Equivalent Photography
REILAND, Neal – *Associate Professor,* BA Business Administration Marketing / Advertising
ROSENBERGER, Ed – *Assistant Professor,* BFA Photography
WILSON, Andrew – *Instructor,* BA Business Administration Visual Technology / Internet Emphasis, MBA Business Administration

Program Description: Students with an aptitude in creative problem solving, drawing, design, photography and/or computer related visual communication should consider this rapidly expanding and competitive field. The Visual Art and Design Department allows students to specialize in six different areas:

• ANIMATION – Animation artists find varied careers in the creation of digital 2D and 3D art and animation in the video game, broadcast, film and internet industries.

• DESIGN – Graphic designers are responsible for the creative concept, design, layout and execution of printed and digital materials such as ads, brochures, logos, annual reports, catalogs, signs, packaging and posters. Students who follow this track will earn an AAS Degree in Visual Art & Design/Design Emphasis.

• ILLUSTRATION – Illustrators provide traditionally and digitally produced images, appropriate for use in advertising and editorial design applications. Students who follow this track will earn an AAS Degree in Visual Art & Design/Illustration Emphasis.

• MULTIMEDIA – Multimedia artists create digital 2D and 3D art and animation and use authoring tools to build digital applications for use on the World Wide Web and in corporate, educational or entertainment titles. Students who follow this track will earn an AAS Degree in Visual Art & Design/Multimedia Emphasis.

• PHOTOGRAPHY – Photographers provide traditionally and digitally produced images appropriate for use in advertising and design applications including; web, stock, commercial, and editorial photography. Photographers also work as portrait, documentary and fine art photographers. Students who follow this track will earn an AAS Degree in Visual Art & Design/Photography Emphasis.

• ELECTRONIC PUBLISHING – Students are taught to prepare artwork for successful printing. Students who follow this track will earn a Certificate of Completion.

DEPARTMENTAL OFFERINGS

COURSE		CR	SEM	PREREQUISITE
ART 1010	Exploring Art	3	A	
ART 1020	Intro to Drawing (FA)	3	A	
ART 1040	Culture/Creation (FA)	3	A	
ART 1050	Intro to Photo (FA)	3	A	
ART 1060	Hist/Art Lettering (FA)	3	A	

ART 1110	Foundation I	4	F, Sp	
ART 1120	Design	3	A	
ART 1135	Printing Fundamentals	3	A	
ART 1150	Art Found. Seminar (HR)	2	F, Sp	
ART 1200	InDesign Software	3	A	
ART 1210	Math for Vis. Arts (QS)	3	F, Sp	
ART 1230	Type & Layout	3	A	ART 1200 and ART 1120 (either may be taken concurrently)
ART 1250	Airbrush	3	F	
ART 1260	Figure Drawing	3	A	ART 1110
ART 1280	Photoshop Software/Des	3	A	
ART 1310	Photography I	4	A	
ART 1320	Photo Vision	3	F, Sp	ART 1310 or ART 1050
ART 1340	Photo Lighting & Equip 1	4	Sp	ART 1310. Coreq: ART 1380
ART 1375	Photo Diversity (FA, DV)	3	F, Sp	ART 1050 or ART 1310
ART 1380	Photography II	4	A	ART 1310
ART 1400	Copyrights Creative Prof	1	F	
ART 1420	Sales for Creative Prof	2	F	
ART 1440	Build Creative Business	2	S	
ART 1530	Beg Painting – Watercolor	3	A	
ART 1540	Beg Painting – Oils	3	A	
ART 1560	Head/Portrait Studies	3	F	
ART 1580	Landscape Painting	2	F, Sp	
ART 1620	Intro to Animation	2	F	
ART 1660	Storyboarding	3	Sp	ART 1120 and ART 1620
ART 1670	Character Anim Basics	3	F	ART 1620 (for 2D) or ART 2640 (for 3D), and instructor approval
ART 1800	Digital Media Essentials	4	A	
ART 1810	Interm Photo/Multi	2	F, Sp	ART 1800
ART 1900	Special Projects	1-4	A	Instructor approval
ART 2000	Vis Art CO-OP Ed	1-5	A	Instructor approval
ART 2010	History of Art & Design	3	F	
ART 2040	Intermediate Jewelry	3	F, Sp	ART 1040 or instructor approval
ART 2050	Vis Dev & Character Des	2	F	ART 1120 and 1260
ART 2070	Portfolio Development	3	F, Sp	ART 2230 (Design Emphasis) or ART 2270 (Illustration Emphasis) or instructor approval
ART 2080	VAD Internship	1-3	A	Instructor approval and second year status
ART 2110	Foundation II Drawing	4	F, Sp	ART 1110 or ART 1020
ART 2140	Adv Photoshp Sftwr/Design	2	F, Sp	ART 1250 or ART 1810 or ART 2340 or instructor approval
ART 2210	Illustration I	3	Sp	ART 1110 and ART 2110 (can be taken concurrently) or instructor approval
ART 2220	Advanced Design	3	F, Sp	ART 1230; take ART 2220 AFTER or concurrently w/ART 2230
ART 2230	Adv Type & Layout	3	F, Sp	ART 1230; take ART 2230 BEFORE or concurrently w/ART 2220
ART 2240	Package Design	3	F, Sp	ART 2230
ART 2260	Adv Figure Draw	2	F	ART 1260
ART 2270	Illustration II	3	F	ART 2210
ART 2280	Advertising Workshop	3	Sp	ART 2230
ART 2290	Adv Illustration	2	Sp	ART 2270
ART 2300	Alternatv Photog	3	Sp	ART 1310
ART 2310	Photo Light & Equip 2	4	F	ART 1340 and ART 1380
ART 2320	Documentary Photo	3	F	ART 1380
ART 2330	Photo; Cultural Hist (HU)	3	F, Sp	
ART 2340	Photoshop for Photo	3	F, Sp	ART 1380
ART 2350	Photo People/Portrait	3	F	ART 2310 (can be taken concurrently)
ART 2360	Nature Photography	3	Sp	ART 1380
ART 2370	Photo Business Practices	3	Sp	ART 2310
ART 2375	Photo Portfolio Develop	1	Sp	ART 2310
ART 2380	Adv Studies in Photo	4	Sp	ART 2310
ART 2400	Web Project Management	3	Sp	ART 2440 and ART 2550
ART 2412	Illustrator Software	3	F, Sp	

ART 2420	Adv Illustrator Software	2	Sp	ART 2412 or instructor approval
ART 2440	Web Site Design	3	F, Sp	ART 1280 or ART 1800 or instructor approval
ART 2470	Digital Video Production	2	F	ART 1280, ART 1800, ART 2340 or instructor approval
ART 2480	Digital Painting	2	F, Sp	ART 1280 or ART 1800, and ART 2110
ART 2490	Adv Computer Graphics	2	Sp	Instructor approval
ART 2520	Adv Drawing	2	F	ART 1110 or instructor approval
ART 2530	Adv Painting – Watercolor	3	A	ART 1530
ART 2540	Adv Painting – Oils	3	A	ART 1540
ART 2550	Website Design II	3	F	ART 2440
ART 2560	Figure Painting	3	Sp	ART 1260 and ART 2110
ART 2580	Web Animation	3	F, Sp	ART 2440
ART 2590	Dynamic Web Design	4	Sp	ART 2440 and ART 2550
ART 2610	Multimedia Authoring	2	F, Sp	ART 2440
ART 2620	Motion Graphics	2	F	ART 1230 and ART 1620
ART 2630	Intro to 3D Modeling	3	F, Sp	ART 1800 or instructor approval
ART 2640	Intro to 3D Animation	3	F,Sp	ART 1620 and ART 2630, or instructor approval
ART 2670	Anim Prod Workshop	4	Sp	ART 1660 and 50 completed credit hours toward an Animation Emphasis
ART 2900	Visual Art/Des Seminar	1-3	TBA	Instructor approval
ART 2940	Spec Topics Design	1-6	TBA	Instructor approval
ART 2950	Spec Topics Illustration	1-6	TBA	Instructor approval
ART 2960	Spec Topics Animation	1-6	TBA	Instructor approval
ART 2970	Spec Topics Photography	1-6	TBA	Instructor approval
ART 2980	Spec Topics Multimedia	1-6	TBA	Instructor approval
ART 2990	Adv Independent Studies	1-3	A	Instructor approval

CREATIVE ARTS ENTREPRENEURSHIP – CERTIFICATE OF PROFICIENCY[CTE] 19 credits minimum

Visual Art & Design Division
South City Campus, SC N281
General Information, (801) 957-4073
Program Information, (801) 957-4325
http://www.slcc.edu/visualart
Academic Advisor, Cindy Clark, SC W138, (801) 957-3361

Program Faculty:
ADAMSON, Rob – *Professor,* BFA Drawing & Painting, MFA Drawing & Painting
BUDD, Brent – Associate Professor, BFA University of Utah
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MARTIN, Terry – *Assistant Professor,* CERT Photography, AAS / AA General & Photography, BFA Equivalent Photography
REILAND, Neal – *Associate Professor,* BA Business Administration Marketing / Advertising
ROSENBERGER, Ed – *Assistant Professor,* BFA Photography
WILSON, Andrew – *Assistant Professor,* BA Business Administration Visual Technology / Internet Emphasis, MBA Business Administration

NOTE: This program is pending approval by the Utah State Board of Regents. Students may apply for graduation in this program beginning Fall Semester 2012.

Program Description: The Creative Arts Entrepreneurship certificate program helps students develop an understanding of business processes, basic business principles, self-promotion, sales techniques, portfolio preparation, financial techniques and legal issues tailored specifically for students planning to work in creative fields such as the fine and applied arts, design, multimedia, film/video, music, and writing.

Career Opportunities: Most creative professionals will spend at least part if not all of their professional careers as independent small business owners (design studios, photo studios, sound production studios etc.), freelancers or contract workers. In each of these cases the basic understanding of targeted business principles is essential for success.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is two semesters.

NOTE: This Certificate of Proficiency is **not** eligible for financial aid. However, courses within the certificate may be eligible if taken as part of a financial aid eligible program. Please check with the Financial Aid Office to determine if your classes are eligible.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Students develop a strong understanding of basic business structures and the advantages and disadvantages of each. Students will incorporate the correct governmental forms, get a business license and research the availability of business names.	1, 2, 3, 4, 5
2. Students learn and are able to discuss basic financial requirements for freelance work or small studio setup. Students create a project proposal with estimates to present to clients. Students estimate taxes and formulate strategies to protect the creative business.	1, 2, 4

3. Students apply the basic principles of salesmanship and self-promotion including the creation of a complete sales presentation and the design of self-promotional items. Students are able to evaluate promotional options including the use and comparison of traditional, digital and social media.	1, 4, 5
4. Discuss and interpret the basic principles of US copyrights in its many forms. Create and demonstrate a professional plan of action to protect creative output. Categorize and diagram the steps required for effective protection and licensing.	1, 4, 5
5. Students create traditional and digital portfolios and participate in mock interviews	1, 4, 5

REQUIRED COURSES: (13 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ART 1300	Money & Creative Prof	1		
ART 1400	Copyright for Creat Prof	1		
ART 1420	Salesmanship Promotion	2		
ART 1440	Building Creative Bus	1		
ART 1850	Prof Portfolio Career Prep	2		
ACCT1110	Financial Accounting I	3		
MGT 1100	Small Bus Mgmt	3		

ELECTIVE COURSES: (SELECT 6 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
ART 2440	Web Site Design	3		ART/COMM/EBT/ENGL/FLM 1800
ART 2450	Web Animation	3		
BUS 1040	Ethics at Work (ID)	3		
BUS 1050	Foundation Business	3		ENGL 1010 or concurrently
BUS 2200	Bus Communication	3		ENGL 1010 w/grade or better
COMM 1080	Conflict Mgmt	3		
COMM 2110	Interperson Comm	3		
COMM 2200	Beg Video Prod	3		
COMM 2300	Intro Public Reltn	3		
COMM 2525	Website Promotion	4		COMM/ART 2440
COMM 2570	Intro Visual Comm	4		
FASH 2500	Fashion Entreprship	3		
MGT 2020	Entrepreneurship	3		BUS 1050, MKTG 1030 and ACCT 2020
MGT 2040	Business Statistics I	4		BUS 1050, CIS 1020, and MATH 1010 or FIN 1380
MGT 2070	Human Resource Mgmt	3		BUS 1050
MKTG 1030	Intro Marketing	3		
MKTG 1070	Promotion	3		
MKTG 1300	Bus Presentations	2		
MKTG 1480	Sales	3		
MKTG 2100	Marketing Info Mgmt	3		MKTG 1030

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ART 1440	1	ART 1400	1
ART 1420	2	ART 1850	2
ART 1300	1	MGT 1100	3
ELEC	3	ELEC	3
ACCT 1110	3		
Total	**10**	**Total**	**9**

Advising Notes: Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program. The classes designed to assist students in reaching the skill level necessary to enter the certificate and degree programs are computer applications, MATH 0990. Any class in the preparatory skills may be waived for students who can demonstrate equivalent skills. It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before class may be taken.

ELECTRONIC PUBLISHING – CERTIFICATE OF COMPLETION[CTE] 37 credits minimum

Visual Art & Design Division
South City Campus, SC N281
General Information, (801) 957-4073
Program Information, (801) 957-4325
http://www.slcc.edu/visualart
Academic Advisor, Cindy Clark, SC W138, (801) 957-3361

Program Faculty:
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GRAHAM, Rick – *Professor,* BFA Drawing & Painting, MFA Drawing & Painting
GRUENDELL, Lana – *Professor,* AAS Graphic Design, BFA Drawing & Painting, MEd Educational Technology
GONZALES, Kerry – *Associate Professor,* BFA Graphic Design
HYANS, Whitney King – *Associate Professor,* BS Photography, BFA Photography, MFA Photography
MARTIN, Terry – *Assistant Professor,* CERT Photography, AAS / AA General & Photography, BFA Equivalent Photography
REILAND, Neal – *Associate Professor,* BA Business Administration Marketing / Advertising
ROSENBERGER, Ed – *Assistant Professor,* BFA Photography
WILSON, Andrew – *Instructor,* BA Business Administration Visual Technology / Internet Emphasis, MBA Business Administration

NOTE: This program is pending approval by the Utah State Board of Regents. Students may apply for graduation in this program beginning Fall Semester 2012.

Program Description: Students with an aptitude in creative problem solving, drawing, design, photography and/or computer related visual communication should consider this rapidly expanding and competitive field. The Visual Art & Design Department allows students to specialize in the following areas: Animation, Design, Illustration, Multimedia, Photography, Web Design, and Electronic Publishing.

Students who elect to pursue a Certificate of Completion in Electronic Publishing will prepare themselves for entry level work in the graphic communications industry (printing). In this certificate program students use standard software programs, basic printing techniques and procedures to prepare materials for digital and traditional publishing.

Career Opportunities: Upon Completion of Program, students may find entry level design and layout positions in the Graphic Communications /printing industry such as, Entry-level Production Artist, Production Manager, Production Associate, Production Assistant, Digital Publishing, Composition Technician, Desktop Publishing Technician, Prepress Department Technician, Paper Representative, Printing Representative, etc.

Transfer/Articulation Information: This AAS Degree is currently not transferable to four year institutions; however, some of the General Education components are transferable. The Visual Art & Design Department is committed to general and pre-professional programs and some credit may be granted by receiving institutions on a per case basis.

Program Entry Requirements:
Required: High School Diploma or equivalent.
Recommended: Artistic and technical aptitude, familiarity with computers.

Total Program/Course Fees: Approximately $250 for all course fees to complete program.
- Press Supplies
- Computers, software and supplies
- Servers, hosting, and storage space

Estimated Cost for Students: $2,800.00

Estimated Time to Completion: If students follow the recommended semester schedule, completion time is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
In order to gauge the program's effectiveness in increasing students' substantive knowledge in electronic publishing, the Visual Art & Design Department may employ any or all of the following: • student will read selected chapters and write a summary of each. • student self-assessment surveys of learning outcomes attainment in selected sections of electronic publishing courses. • other measures as designed by the Visual Art & Design faculty.	1, 5
In order to gauge the program's effectiveness in increasing students' substantive knowledge of creating printed projects in electronic publishing, the Visual Art & Design Department may employ any or all of the following: • students will participate in in-class discussions and create a detailed checklist of information needed to create print-ready projects. • student self-assessment surveys of learning outcomes attainment in selected sections of electronic publishing courses. • other measures as designed by the Visual Art & Design faculty.	1, 2, 4
In order to gauge the program's effectiveness in increasing students' substantive knowledge of printing processes in electronic publishing, the Visual Art & Design Department may employ any or all of the following: • students will expose, process, and prepare negative and printing plate for press operation. • students will safely operate press, print project, and cut and pad project • student self-assessment surveys of learning outcomes attainment in selected sections of electronic publishing courses. • other measures as designed by the Visual Art & Design faculty.	1, 3
In order to gauge the program's effectiveness in increasing students' substantive knowledge of math as used in electronic publishing, the Visual Art and Design Department may employ any or all of the following: • students will participate in class discussions • other measures as designed by the Visual Art & Design faculty.	1, 3, 4
In order to gauge the program's effectiveness in increasing students' substantive knowledge of industry standard software in electronic publishing, the Visual Art & Design Department may employ any or all of the following: • using industry standard software, students will complete print-ready brochures, programs, newsletters, etc. • student self-assessment surveys of learning outcomes attainment in selected sections of electronic publishing courses. • other measures as designed by the Visual Art & Design faculty.	1, 3

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

OR

Any approved EN course

QUANTITATIVE STUDIES (QS) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Intermed Algebra	4	A	RDG 0900 w/C or better and within the past year, MATH 0990 w/C grade or better, or appropriate Accuplacer score

OR

Any approved QS course

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem Effective Comm	3	A	

OR

Any approved CM course

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ART 1150	Foundation Sem	2	F, Sp	Recommended: take first semester

OR

Any approved HR course

ELECTRONIC PUBLISHING CORE REQUIREMENTS: (25 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ART 1120	Design	3	A	
ART 1135	Printing Fundamentals	3	A	
ART 1200	InDesign Software	3	A	
ART 1230	Type & Layout	3	A	ART 1200 and ART 1120 (either may be taken concurrently)
ART 1280	Photoshop Software/Des	3	A	
ART 1800	Digital Media Essentials	4	A	

COMPLETE ONE OF THE FOLLOWING ADVANCED COURSES

ART 2220	Advanced Design	3	F, Sp	ART 1230; take ART 2220 AFTER or concurrently w/ART 2230
ART 2230	Adv Type & Layout	3	F, Sp	ART 1230; take ART 2230 BEFORE or concurrently w/ART 2220

COMPLETE ONE OF THE FOLLOWING ELECTRONIC PUBLISHING ELECTIVES

ART 1240	Screen Printing	3	F, Sp	
ART 2080	VAD Internship	1-3	A	Instructor approval and second year status
ART 2200	Adv InDesign Software	2	Sp	ART 1200 or instructor approval
ART 2120	E-Design & Publishing	3		
ART 2220	Advanced Design	3	F, Sp	ART 1230; take ART 2220 AFTER or concurrently w/ART 2230
ART 2240	Package Design	3	F, Sp	ART 2230
ART 2280	Advertising Workshop	3	Sp	ART 2230

ELECTRONIC PUBLISHING RECOMMENDED SEQUENCE

SAMPLE SCHEDULE			
1st SEMESTER – FALL		**2nd SEMESTER – SPRING**	
ART 1120	3	ENGL 1010	3
ART 1135	3	COMM 1010	3
ART 1230	3	ART 1150	2
ART 1200	3	ELEC PUB ELEC	3
MATH 1010	4	ADVANCED	3
ART 1800	4		
Total	**20**	**Total**	**17**

Advising Notes: Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program.

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. All prerequisite courses must be completed with a C or better grade in order to continue in the program. A student may be dropped from a class if the prerequisite has not been completed. If progress is not deemed satisfactory, students will be counseled and/or given probationary status.

NOTE: Students or professionals wishing to register for a class in which a prerequisite class is required but has not been taken, should contact the instructor about acquiring possible approval to register for the class.

Students should check the semester class schedule on the Internet at www.slcc.edu for availability and modifications caused by varying enrollment. Required departmental classes are not offered every semester. To graduate in two years, students are encouraged to follow the suggested program schedule.

Not all Visual Art and Design (ART) classes may be audited. This is especially true for any Visual Art & Design class that has a prerequisite (see course catalog for list of prerequisite classes). Auditing a prerequisite course does not guarantee that the student has mastered the required skills needed for the next level class. Some Visual Art & Design classes that have a prerequisite may be audited if the student can demonstrate an appropriate skill level to the instructor before registering for the class. Students wishing to audit any Visual Art & Design (ART) class without officially completing a prerequisite class (with a 'C' grade or better) must obtain signed permission from the instructor or email authorization before registering for the class. Visual Art & Design (ART) classes that do not have a prerequisite may be audited as per the Auditing Classes guidelines listed in the SLCC catalog.

All students enrolled in the Visual Art & Design program automatically become members of SkillsUSA, sponsor of the Professional Development Program (PDP). This program is designed to promote leadership, communication, problem solving and skills necessary for employment. Students are encouraged to participate in competitions in their area of specialization.

For information on clubs or organizations within the Visual Art & Design Department, contact the advisor or instructors in the individual areas of specialization.

Additional Program Notes: For information about Student Resources such as Academic Links, Learning/Tutoring, Financial Information, General Resources, Services for Students, Student Life, Health & Recreation, Campus Life and other important information (Disclosures, Student Code of Conduct, Policies/Procedures, and Student Records, etc.) visit: http://www.slcc.edu/studentresources/index.asp#academics.

MOBILE PUBLISHING – CERTIFICATE OF COMPLETION[CTE] 32 credits minimum

Visual Art & Design Division
South City Campus, SC N281
General Information, (801) 957-4073
Program Information, (801) 957-4325
http://www.slcc.edu/visualart
Academic Advisor, Cindy Clark, SC W138, (801) 957-3361

Program Faculty:
ADAMSON, Rob – *Professor,* BFA Drawing & Painting, MFA Drawing & Painting
BUDD, Brent – Associate Professor, BFA University of Utah
CHAMBERS, Sheila – *Professor,* BA Communications, MFA Illustration
CURRAN, Jessica – Instructor,
EREKSON, J. Chad – *Assistant Professor,* BFA Animation
GRAHAM, Rick – *Professor,* BFA Drawing & Painting, MFA Drawing & Painting
GRUENDELL, Lana – *Professor,* AAS Graphic Design, BFA Drawing & Painting, MEd Educational Technology
GONZALES, Kerry – *Associate Professor,* BFA Graphic Design
HYANS, Whitney King – *Associate Professor,* BS Photography, BFA Photography, MFA Photography
MARTIN, Terry – *Assistant Professor,* CERT Photography, AAS / AA General & Photography, BFA Equivalent Photography
REILAND, Neal – *Associate Professor,* BA Business Administration Marketing / Advertising
ROSENBERGER, Ed – *Assistant Professor,* BFA Photography
WILSON, Andrew – *Instructor,* BA Business Administration Visual Technology / Internet Emphasis, MBA Business Administration

NOTE: This program is pending approval by the Utah State Board of Regents. Students may apply for graduation in this program beginning Fall Semester 2012.

Program Description: Students with an interest in developing web and publishing skills specifically related new trends in mobile publishing through creative and visual methods should consider this specialized Certificate of Completion through the Visual Art & Design Department.

Students who elect to pursue this certificate will learn a variety of cutting edge technologies specifically related to electronic and mobile publishing, social media, and new trends as they are developed. Students will stay up-to-date on current trends in industry leading software as well as popular technologies associated with social media, mobile apps, and mobile devices through the required courses outlined below.

Career Opportunities: Upon completion of this certificate, students may find entry level positions in the Graphic Arts Industry including but not limited to graphic communications and web design related careers.

Transfer/Articulation Information: This certificate is currently not transferable to four year institutions; however, some of the General Education components are transferable. The Visual Art & Design Department is committed to general and pre-professional programs and some credits may be granted by receiving institutions on a per case basis.

Program Entry Requirements:
Required: High School Diploma or equivalent.
Recommended: Artistic and technical aptitude, familiarity with computers.

Estimated Time to Completion: If students follow the recommended semester schedule, completion time is two semesters.

NOTE: This program is **not** eligible for financial aid.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally

Demonstrate knowledge of the principles and elements of design.	1, 2, 4
Demonstrate competency in the creation of electronic documents for mobile publishing and an ability to produce the visual steps necessary to create mobile apps.	1, 2, 3, 4
Illustrate competent mastery of current electronic publishing, web design and mobile publishing related software.	1, 4, 5
Prove proficiency in social media, and mobile web marketplaces utilizing ethical practices.	1, 2, 4, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

OR

Any approved EN course

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ART 1210	Math for Vis Arts	3	A	

OR

Any approved QS course

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem Effective Comm	3	A	

OR

Any approved CM course

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ART 1150	Foundation Sem	2	F, Sp	Recommended: take first semester

OR

Any approved HR course

MOBILE PUBLISHING CORE REQUIREMENTS: (21 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ART 1120	Design	3	A	
ART 1200	InDesign Software	3	A	
ART 1800	Digital Media Essentials	4	A	
ART 1810	Int Photoshop for Mult	2	A	
ART 2120	E-Design & Publishing	3		
ART 2440	Web Site Design	3	A	ART 1800 or ART 1280
ART 2510	Mobile Publishing Seminar	3	A	ART 1200, ART 2120 (may be taken concurrently) and ART 2440 (may be taken concurrently)

MOBILE PUBLISHING RECOMMENDED SEQUENCE

SAMPLE SCHEDULE			
1st SEMESTER – FALL		**2nd SEMESTER – SPRING**	
ART 1120	3	ART 2120	3
ART 1150	2	ART 2440	3
ART 1200	3	ART 1810	2
ART 1210	3	ART 2510	3
ART 1800	4	CM	3
ENGL 1010	3	ELEC	2-3
Total	**18**	**Total**	**16**

Advising Notes: Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program.

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. All prerequisite courses must be completed with a C or better grade in order to continue in the program. A student may be dropped from a class if the prerequisite has not been completed. If progress is not deemed satisfactory, students will be counseled and/or given probationary status.

NOTE: Students or professionals wishing to register for a class in which a prerequisite class is required but has not been taken, should contact the instructor about acquiring possible approval to register for the class.

Students should check the semester class schedule on the Internet at www.slcc.edu for availability and modifications caused by varying enrollment. Required departmental classes are not offered every semester. To graduate in two years, students are encouraged to follow the suggested program schedule.

Not all Visual Art and Design (ART) classes may be audited. This is especially true for any Visual Art & Design class that has a prerequisite (see course catalog for list of prerequisite classes). Auditing a prerequisite course does not guarantee that the student has mastered the required skills needed for the next level class. Some Visual Art & Design classes that have a prerequisite may be audited if the student can demonstrate an appropriate skill level to the instructor before registering for the class. Students wishing to audit any Visual Art & Design (ART) class without officially completing a prerequisite class (with a 'C' grade or better) must obtain signed permission from the instructor or email authorization before registering for the class. Visual Art & Design (ART) classes that do not have a prerequisite may be audited as per the Auditing Classes guidelines listed in the SLCC catalog.

All students enrolled in the Visual Art & Design program automatically become members of SkillsUSA, sponsor of the Professional Development Program (PDP). This program is designed to promote leadership, communication, problem solving and skills necessary for employment. Students are encouraged to participate in competitions in their area of specialization.

For information on clubs or organizations within the Visual Art & Design Department, contact the advisor or instructors in the individual areas of specialization.

Additional Program Notes: For information about Student Resources such as Academic Links, Learning/Tutoring, Financial Information, General Resources, Services for Students, Student Life, Health & Recreation, Campus Life and other important information (Disclosures, Student Code of Conduct, Policies/Procedures, and Student Records, etc.) visit: http://www.slcc.edu/studentresources/index.asp#academics.

MOTION GRAPHICS AND VISUAL EFFECTS – CERTIFICATE OF PROFICIENCY[CTE] 28 credits minimum

Visual Art & Design Division
South City Campus, SC N281
General Information, (801) 957-4073
Program Information, (801) 957-4325
http://www.slcc.edu/visualart
Academic Advisor, Cindy Clark, SC W138, (801) 957-3361

Program Faculty:
ADAMSON, Rob – *Professor,* BFA Drawing & Painting, MFA Drawing & Painting
BUDD, Brent – Associate Professor, BFA University of Utah
CHAMBERS, Sheila – *Professor,* BA Communications, MFA Illustration
CURRAN, Jessica – *Instructor*,
EREKSON, J. Chad – *Assistant Professor,* BFA Animation
GRAHAM, Rick – *Professor,* BFA Drawing & Painting, MFA Drawing & Painting
GRUENDELL, Lana – *Professor,* AAS Graphic Design, BFA Drawing & Painting, MEd Educational Technology
GONZALES, Kerry – *Associate Professor,* BFA Graphic Design
HYANS, Whitney King – *Associate Professor,* BS Photography, BFA Photography, MFA Photography
MARTIN, Terry – *Assistant Professor,* CERT Photography, AAS / AA General & Photography, BFA Equivalent Photography
REILAND, Neal – *Associate Professor,* BA Business Administration Marketing / Advertising
ROSENBERGER, Ed – *Assistant Professor,* BFA Photography
WILSON, Andrew – *Instructor,* BA Business Administration Visual Technology / Internet Emphasis, MBA Business Administration

NOTE: This program is pending approval by the Utah State Board of Regents. Students may apply for graduation in this program beginning Fall Semester 2012.

Program Description: Students who elect to pursue a Certificate of Completion Motion Graphics & Visual Effects will prepare themselves to for entry level work in a related profession. Motion Graphics & Visual Effects technical artists find varied careers in the creation of digital 2D and 3D art and animation in the video game, film, broadcast, visual effects, mobile, and internet industries. Students will work to develop foundation drawing and design skills, apply animation principles in time based visualizations, and illustrate a working knowledge of quality visual storytelling. Students should choose electives and projects carefully to develop a working competency of both the arts and technologies involved in at least one specific area of the discipline. The certificate of completion is very technically rigorous and drawing intensive. It requires careful scheduling of classes to complete the program in the recommended times.

Career Opportunities: Upon completion of program, students may qualify for work as assistants or junior technical artists in various media fields using motion graphics or post production visual effects.

Estimated Cost for Students: In addition to tuition and fees, and depending on chosen electives, animation students may expect to pay an estimated $500 for books and supplies needed for class projects and portfolio development in this program.

NOTE: This Certificate of Proficiency is **not** eligible for financial aid. However, courses within the certificate may be eligible if taken as part of a financial aid eligible program. Please check with the Financial Aid Office to determine if your classes are eligible.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is three semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
Demonstrate a competent application of foundation drawing and design skills.	1,2,4

Demonstrate a competent application of animation principles in a time based visualization.	1,2,3,4,
Illustrate a working knowledge of quality visual storytelling.	1,2,4,5
Engage in collaborative production development practices and interdisciplinary experiences.	1,2,4,5
Exhibit a working competency of both the arts and technologies involved in at least one specific area of the discipline.	1,2,4

REQUIRED COURSES: (20 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ART 1110	Foundation I Drawing	4	F, Sp	
ART 1120	Design	3	A	
ART 1620	Intro to Animation	2	F	
ART 1660	Storyboarding	3	Sp	ART 1110, ART 1620
ART 1800	Digital Media Essentls	4	A	
ART 1850	Portfolio/Career Prep	2	F, Sp	Two 2000 level courses in School of Arts Communications & New Media
ART 2470	Digital Video Prod	2	F, Sp	ART 1800

SPECIALIZATION: (COMPLETE 3 COURSES FROM ONE OF THE FOLLOWING TRACKS)

MOTION GRAPHICS

COURSE		CR	SEM	PREREQUISITE
ART 1200	InDesign Software	3	A	
ART 1230	Typography & Layout	3	A	ART 1200 and ART 1120; Coreq: ART 1200 and/or ART 1120
ART 2620	Motion Graphics	2	F	ART 1620 and ART 1230

VISUAL EFFECTS

COURSE		CR	SEM	PREREQUISITE
ART 2630	Intro to 3D Modeling	3	F, Sp	ART 1800 or instructor approval
ART 2640	Intro to 3D Animation	3	F, Sp	ART 2630 and ART 1620, or instructor approval
ART 2660	Visual Effects & Comp	3	F	ART 2640

MOTION GRAPHICS & VISUAL EFFECTS RECOMMENDED SEQUENCE

SAMPLE SCHEDULE			
1st SEMESTER – FALL		**2nd SEMESTER – SPRING**	
ART 1110	4	ART 2470	2
ART 1620	2	ART 1120	3
ART 1800	4	ART 1660	3
ART 2630/1200	3	ART 2640/1230	3
Total	**13**	**Total**	**11**
3rd SEMESTER – FALL			
ART 1850	2		
ART 2660/2620	3/2		
Total	**4-5**		

VISUAL ART & DESIGN: ANIMATION – ASSOCIATE OF SCIENCE (AS) 64 credits minimum

Visual Art & Design Department
South City Campus, SC N281
General Information, (801) 957-4073
Program Information, (801) 957-4325
http://www.slcc.edu/visualart
Academic Advisor, Cindy Clark, SC W138, (801) 957-3361

Program Faculty:
ADAMSON, Rob – *Professor,* BFA Drawing & Painting, MFA Drawing & Painting
BUDD, Brent – Associate Professor, BFA University of Utah
CHAMBERS, Sheila – *Professor,* BA Communications, MFA Illustration
CURRAN, Jessica – *Instructor,*
EREKSON, J. Chad – *Assistant Professor,* BFA Animation
GRAHAM, Rick – *Professor,* BFA Drawing & Painting, MFA Drawing & Painting
GRUENDELL, Lana – *Professor,* AAS Graphic Design, BFA Drawing & Painting, MEd Educational Technology
GONZALES, Kerry – *Associate Professor,* BFA Graphic Design
HYANS, Whitney King – *Associate Professor,* BS Photography, BFA Photography, MFA Photography
MARTIN, Terry – *Assistant Professor,* CERT Photography, AAS / AA General & Photography, BFA Equivalent Photography
REILAND, Neal – *Associate Professor,* BA Business Administration Marketing / Advertising
ROSENBERGER, Ed – *Assistant Professor,* BFA Photography
WILSON, Andrew – *Instructor,* BA Business Administration Visual Technology / Internet Emphasis, MBA Business Administration

Program Description: Students with an aptitude in creative problem solving, drawing, design, photography and/or computer related visual communication should consider this rapidly expanding and competitive field. The Visual Art & Design Department allows students to specialize in the following areas: Animation, Design, Illustration, Multimedia, Photography, Web Design, and Electronic Publishing.

Students who elect to pursue an AS Degree in Animation will prepare themselves to successfully transfer to an institution offering a four year Animation Degree. Students will work to develop foundation drawing and design skills, apply animation principles in time based visualizations, and illustrate a working knowledge of quality visual storytelling.

Career Opportunities: Animation artists find varied careers in the creation of digital 2D and 3D art and animation in the video game, film, broadcast, visual effects, mobile, and internet industries.

Transfer/Articulation Information: This Associate of Science (AS) degree meets the requirements to satisfy the lower division general education requirements for a baccalaureate degree at all Utah public institutions of higher education. Admission into a major program at a transfer institution depends upon the receiving institution's requirements for that major. Some major programs are restricted and require special application as well as a competitive GPA. See an Academic Advisor at both SLCC and the intended receiving institution for specific articulation information.

Program Entry Requirements:
Required: High School Diploma or equivalent.
Recommended: Artistic and technical aptitude, familiarity with traditional drawing, computers, and Photoshop.

Total Program/Course Fees:
Approximately $500 depending on chosen electives.
Fees are used for maintenance and upgrade of:

- Computers, software and supplies
- Servers, hosting, and storage space
- Traditional Animation lab
- Model fees and supplies

Estimated Cost for Students: In addition to tuition and fees, and depending on chosen electives, animation students may expect to pay an estimated $1000 for books and supplies needed for class projects and portfolio development in this two-year program.

Estimated Time to Completion: The Animation Emphasis is very rigorous and drawing intensive. If students follow Recommended Sequence, completion time is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Demonstrate a competent application of foundation drawing and design skills.	1,2,4
2. Demonstrate a competent application of animation principles in a time based visualization.	1,2,3,4
3. Illustrate a working knowledge of quality visual storytelling.	1,2,4,5
4. Engage in collaborative production development practices and interdisciplinary experiences.	1,2,4,5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 6 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score
ENGL 2010	Intermediate Writing	3	A	ENGL 1010 w/C grade or better
OR				
ENGL 2100	Technical Writing	3	A	ENGL 1010 w/C grade or better

QUANTITATIVE LITERACY (QL) CHOOSE ONE COURSE (3-4 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
MATH 1050	College Algebra	4	A	RDG 0990; within last year MATH 1010 w/C grade or better or appropriate Accuplacer score

OR

Any approved QL course

AMERICAN INSTITUTIONS (AI) CHOOSE ONE COURSE (3 CREDITS) FROM THE FOLLOWING

COURSE		CR	SEM	PREREQUISITE
ECON 1740	Econ History of US	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
HIST 1700	American Civilization	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score
POLS 1100	US Govt & Politics	3	A	RDG 0990 w/C grade or better or appropriate Accuplacer score

INSTITUTIONAL REQUIREMENTS:

LIFELONG WELLNESS (LW) 1 CREDIT

STUDENT CHOICE (IN OR DEPTH) 3 CREDITS

INTENSIVE (IN)

OR

DEPTH

Any second course from one of the Distribution Areas

DISTRIBUTION AREAS:

Complete one 3-credit hour course from the list of General Education Distribution Areas (BS, FA, HU, ID, PS, SS). See SLCC General Catalog for complete list of approved courses. Students may wish to consult with a Faculty Advisor for assistance when selecting a Distribution Course.

COURSE	CR	SEM	PREREQUISITE
Biological Science (BS)	3-4		
Fine Arts (FA)	3-4		
Humanities (HU)	3		

Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

The following are **RECOMMENDED** distribution courses for Animation students.

COURSE		CR	SEM	PREREQUISITE
FLM 1023	Intro to Film (FA)	4	A	
FLM 1070	Film and Cult (FA, DV)	4	A	
PHYS 1010	Elem Physics (PS)	3	A	

COMPLETE THE FOLLOWING ANIMATION ARTS CORE COURSES: (30 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ART 1110	Foundation I	4	A	
ART 1120	Design	3	A	
ART 1260	Figure Drawing	3	A	ART 1110
ART 1620	Intro to Animation	2	F	
ART 1660	Storyboarding	3	Sp	ART 1120 and 1620
ART 1670	Character Anim Basics	3	F	ART 1620 (for 2D) or ART 2640 (for 3D), and instructor approval
ART 1800	Digital Media Essentials	4	A	
ART 2260	Adv Figure Draw	2	F	ART 1260
ART 2630	Intro to 3D Modeling	3	F, Sp	ART 1800 or instructor approval
ART 2640	Intro to 3D Animation	3	F,Sp	ART 1620 and 2630, or instructor approval

ANIMATION AS RECOMMENDED SEQUENCE

SAMPLE SCHEDULE			
1st SEMESTER – FALL		**2nd SEMESTER – SPRING**	
ENGL 1010	3	STUDENT CHOICE	3
QL	3-4	FLM 1023	3-4
ART 1110	4	PHYS 1010	3
ART 1620	2	ART 1120	3
ART 1800	4	ART 1260	3
Total	**16-17**	**Total**	**15-16**
3rd SEMESTER – FALL		**4th SEMESTER – SPRING**	
ENGL 2010	3	LW	1
AI	3	DISTRIBUTION (3)	9
DISTRIBUTION	3-4	ART 1660	3
ART 1670	3	ART 2640	3
ART 2260	2		
ART 2630	3		
Total	**17-18**	**Total**	**16**

Advising Notes:
Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program.

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. All prerequisite courses must be completed with a C or better grade in order to continue in the program. A student may be dropped from a class if the prerequisite has not been completed. If progress is not deemed satisfactory, students will be counseled and/or given probationary status.

NOTE: Students or professionals wishing to register for a class in which a prerequisite class is required but has not been taken, should contact the instructor about acquiring possible approval to register for the class.

Students should check the semester class schedule on the Internet at www.slcc.edu for availability and modifications caused by varying enrollment. Required departmental classes are not offered every semester. To graduate in two years, students are encouraged to follow the recommended sequence.

Not all Visual Art & Design (ART) classes may be audited. This is especially true for any Visual Art & Design class that has a prerequisite (see course catalog for list of prerequisite classes). Auditing a prerequisite course does not guarantee that the student has mastered the required skills needed for the next level class. Some Visual Art & Design classes that have a prerequisite may be audited if the student can demonstrate an appropriate skill level to the instructor before registering for the class. Students wishing to audit any Visual Art & Design (ART) class without officially completing a prerequisite class (with a 'C' grade or better) must obtain signed permission from the instructor or email authorization before registering for the class. Visual Art & Design (ART) classes that do not have a prerequisite may be audited as per the Auditing Classes guidelines listed in the SLCC catalog.

All students enrolled in the Visual Art & Design program automatically become members of SkillsUSA, sponsor of the Professional Development Program (PDP). This program is designed to promote leadership, communication, problem solving and skills necessary for employment. Students are encouraged to participate in competitions in their area of specialization.

For information on clubs or organizations within the Visual Art & Design Department, contact the advisor or instructors in the individual areas of specialization.

Additional Program Notes:
For information about Student Resources such as Academic Links, Learning/Tutoring, Financial Information, General Resources, Services for Students, Student Life, Health & Recreation, Campus Life and other important information (Disclosures, Student Code of Conduct, Policies/Procedures, and Student Records, etc.) visit:
http://www.slcc.edu/studentresources/index.asp#academics.

VISUAL ART & DESIGN: ANIMATION EMPHASIS – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 64-69 credits minimum

Visual Art & Design Department
South City Campus, SC N281
General Information, (801) 957-4073
Program Information, (801) 957-4325
http://www.slcc.edu/visualart
Academic Advisor, Cindy Clark, SC W138, (801) 957-3361

Program Faculty:
ADAMSON, Rob – *Professor,* BFA Drawing & Painting, MFA Drawing & Painting
BUDD, Brent – Associate Professor, BFA University of Utah
CHAMBERS, Sheila – *Professor,* BA Communications, MFA Illustration
CURRAN, Jessica – *Instructor,*
EREKSON, J. Chad – *Assistant Professor,* BFA Animation
GRAHAM, Rick – *Professor,* BFA Drawing & Painting, MFA Drawing & Painting
GRUENDELL, Lana – *Professor,* AAS Graphic Design, BFA Drawing & Painting, MEd Educational Technology
GONZALES, Kerry – *Associate Professor,* BFA Graphic Design
HYANS, Whitney King – *Associate Professor,* BS Photography, BFA Photography, MFA Photography
MARTIN, Terry – *Assistant Professor,* CERT Photography, AAS / AA General & Photography, BFA Equivalent Photography
REILAND, Neal – *Associate Professor,* BA Business Administration Marketing / Advertising
ROSENBERGER, Ed – *Assistant Professor,* BFA Photography
WILSON, Andrew – *Instructor,* BA Business Administration Visual Technology / Internet Emphasis, MBA Business Administration

Program Description: Students with an aptitude in creative problem solving, drawing, design, photography and/or computer related visual communication should consider this rapidly expanding and competitive field. The Visual Art & Design Department allows students to specialize in the following areas: Animation, Design, Illustration, Multimedia, Photography, Web Design, and Electronic Publishing.

Students who elect to pursue an AAS Degree in Animation will prepare themselves for entry level work in an animation related profession. They develop foundation drawing and design skills, apply animation principles in time based visualizations, and illustrate a working knowledge of quality visual storytelling. Students should choose electives and projects carefully to develop a working competency of both the arts and technologies involved in at least one specific area of the discipline.

Career Opportunities: Animation artists find varied careers in the creation of digital 2D and 3D art and animation in the video game, film, broadcast, visual effects, mobile, and internet industries.

Transfer/Articulation Information: This AAS Degree is currently not transferable to four year institutions; however, some of the General Education components are transferable. The Visual Art & Design Department is committed to general and pre-professional programs and some credit may be granted by receiving institutions on a per case basis.

Program Entry Requirements:
Required: High School Diploma or equivalent.
Recommended: Artistic and technical aptitude, familiarity with traditional drawing, computers, and Photoshop.

Total Program/Course Fees:
Approximately $500 depending on chosen electives.
Fees are used for maintenance and upgrade of:

- Computers, software and supplies
- Servers, hosting, and storage space
- Traditional Animation lab
- Model fees and supplies

Estimated Cost for Students: In addition to tuition and fees, and depending on chosen electives, animation students may expect to pay an estimated $1000 for books and supplies needed for class projects and portfolio development in this two-year program.

Estimated Time to Completion: The Animation Emphasis is very rigorous and drawing intensive. If students follow Recommended Sequence, completion time is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Demonstrate a competent application of foundation drawing and design skills.	1,2,4
2. Demonstrate a competent application of animation principles in a time based visualization.	1,2,3,4
3. Illustrate a working knowledge of quality visual storytelling.	1,2,4,5
4. Engage in collaborative production development practices and interdisciplinary experiences.	1,2,4,5
5. Exhibit a working competency of both the arts and technologies involved in at least one specific area of the discipline	1,2,3,4,5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

OR

Any approved EN course

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Intermed Algebra	4	A	RDG 0900 w/C or better and within the past year, MATH 0990 w/C grade or better, or appropriate Accuplacer score

OR

Any approved QS or QL course

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem Effective Comm	3	A	

OR

Any approved CM course

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ART 1150	Foundation Seminar	2	F,Sp	Recommended: take first semester

OR

Any approved HR course

DISTRIBUTION AREAS: (3 CREDITS)

Complete one 3-credit hour course from the list of General Education Distribution Areas (BS, FA, HU, ID, PS, SS). See SLCC General Catalog for complete list of approved courses. Students may wish to consult with a Faculty Advisor for assistance when selecting a Distribution Course.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

The following are **RECOMMENDED** distribution courses for Animation students.

COURSE		CR	SEM	PREREQUISITE
FLM 1023	Intro to Film (FA)	4	A	
FLM 1070	Film and Cult (FA, DV)	4	A	
PHYS 1010	Elem Physics (PS)	3	A	

ANIMATION EMPHASIS REQUIREMENTS

COMPLETE THE FOLLOWING VISUAL ARTS CORE COURSES: (20 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ART 1110	Foundation I Drawing	4	F, Sp	
ART 1120	Design	3	A	
ART 1260	Figure Drawing	3	A	ART 1110
ART 1800	Digital Media Essent	4	A	
ART 2110	Foundation II Drawing	4	Sp,Su	ART 1110 or 1020
ART 2470	Digital Video Prod	2	F, Sp	ART 1800, 1280, 2340 or instructor approval

COMPLETE ONE OF THE FOLLOWING PORTFOLIO COURSES: (2 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ART 1850	Port/Career Prep	2	F, Sp	
ART 2490	Adv Study Comp/Graph	2	Sp	Instructor approval

COMPLETE ONE VISUAL ARTS ELECTIVE COURSE: (2-4 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ART	Elective(s)	2-4		

COMPLETE THE FOLLOWING ANIMATION COURE COURSES: (15 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ART 1620	Intro to Animation	2	F	
ART 1660	Storyboarding	3	Sp	ART 1110 and 1620
ART 2630	Intro to 3D Modeling	3	F, Sp	ART 1800 or instructor approval
ART 2640	Intro to 3D Animation	3	F, Sp	ART 2630 and 1620, or instructor approval
ART 2670	Anim Prod Workshop	4	Sp	ART 1660 and 50 completed credit hours toward Animation Emphasis

COMPLETE 2 COURSES FROM THE FOLLOWING SPECIALIZATION COURSES*: (4-6 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ART 1670	Character Anim Basics	3	F	ART 1620 or 2640
ART 2050	Vis Dev & Char Design	2	F	ART 1120 and 1260
ART 2480	Digital Painting	2	F, Sp	ART 1280 or 1800, and ART 2110
ART 2660	VFX & Compositing	3	F	ART 2640

COMPLETE MINIMUM OF 6 CREDITS FROM THE FOLLOWING ANIMATION ELECTIVES*: (6 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ART 1050	Intro to Photography	3	A	
ART 1200	InDesign Software	3	A	
ART 1230	Type & Layout	3	A	ART 1200 and 1120 (can be taken concurrently)
ART 1670	Character Anim Basics	3	F	ART 1620 or 2640
ART 1810	Interm. Photo/Multi	2	F, Sp	ART 1800
ART 2050	Vis Dev & Char Design	2	F	ART 1120 and 1260
ART 2140	Adv Photoshop	2	F, Sp	ART 1250 or 1810 or 2340 or instructor approval
ART 2210	Illustration I	3	Sp	ART 1110, 2110 (can be taken concurrently) or instructor approval
ART 2260	Adv Figure Draw	2	F	ART 1260
ART 2270	Illustration II	3	F	ART 2210 or instructor approval
ART 2290	Adv Illustration	2	Sp	ART 2270 or instructor approval
ART 2412	Illustrator Software	3	F, Sp	
ART 2440	Web Site Design	3	F, Sp	ART 1800
ART 2480	Digital Painting	3	F, Sp	ART 1280 or 1800, and ART 2110
ART 2580	Web Animation	3	F, Sp	ART 2440

ART 2610	Multimedia/Authoring	2	F, Sp	ART 2440
ART 2620	Motion Graphics	2	F, Sp	ART 1230 and 1620
ART 2660	VFX & Compositing	3	F	ART 2640
ART 2900	Visual Art/Dsgn	1-3	-	Instructor approval
ART 2960	Spec Topics Anim	1-6	-	Instructor approval
COMM 2200	Begin Video Prod.	4	F, Sp	Recommended: ART 1800
COMM 2570	Intro to Vis Comm (FA)	3	A	
CS 2560	Object Orient Prog	2	Sp	ART 2440
FLM 1023	Intro to Film (FA)	4	A	
PHYS 1010	Elem Physics (PS)	3	A	
THEA 1033	Acting I – Basic	3	A	

ANIMATION AAS EMPHASIS RECOMMENDED SEQUENCE

SAMPLE SCHEDULE			
1st SEMESTER – FALL		**2nd SEMESTER – SPRING**	
ENGL 1010	3	DISTRIBUTION	3-4
ART 1150	2	ART 1260	3
ART 1110	4	ART 1660	3
ART 1120	3	ART 2110	4
ART 1620	2	ART 2630	3
ART 1800	4		
Total	**18**	**Total**	**17-18**
3rd SEMESTER – FALL		**4th SEMESTER – SPRING**	
COMM 1010	3	MATH 1010	4
ART 2050	2	ART 2480	2
ART 2470	2	ART 2490	2
ART 2640	3	ART 2670	4
ELEC	4-6	ELEC	4-5
Total	**14-16**	**Total**	**16-17**

Advising Notes:
*EACH COURSE MAY ONLY BE USE ONCE TO FULFILL A VISUAL ART ELECTIVE, SPECALIZATION ELECTIVE, ANIMATION ELECTIVE, OR GENERAL EDUCATION DRISTRIBUTION AREA REQUIREMENT, UNLESS THE COURSE IS REPEATED AND IS REPEATABLE FOR CREDIT. Students should work with faculty advisor to choose electives and projects carefully to develop a working competency of both the art and technologies involved in at least one specific area of the discipline. Some courses may require prerequisites not required for completion of the program and not listed in the recommended sequence or degree requirements. Students wishing to take those courses should plan on extra time to complete the prerequisites.
Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program.

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. All prerequisite courses must be completed with a C or better grade in order to continue in the program. A student may be dropped from a class if the prerequisite has not been completed. If progress is not deemed satisfactory, students will be counseled and/or given probationary status.

NOTE: Students or professionals wishing to register for a class in which a prerequisite class is required but has not been taken, should contact the instructor about acquiring possible approval to register for the class.

Students should check the semester class schedule on the Internet at www.slcc.edu for availability and modifications caused by varying enrollment. Required departmental classes are not offered every semester. To graduate in two years, students are encouraged to follow the recommended sequence.

Not all Visual Art & Design (ART) classes may be audited. This is especially true for any Visual Art & Design class that has a prerequisite (see course catalog for list of prerequisite classes). Auditing a prerequisite course does not guarantee that the student has mastered the required skills needed for the next level class. Some Visual Art & Design classes that have a

prerequisite may be audited if the student can demonstrate an appropriate skill level to the instructor before registering for the class. Students wishing to audit any Visual Art & Design (ART) class without officially completing a prerequisite class (with a 'C' grade or better) must obtain signed permission from the instructor or email authorization before registering for the class. Visual Art & Design (ART) classes that do not have a prerequisite may be audited as per the Auditing Classes guidelines listed in the SLCC catalog.

All students enrolled in the Visual Art & Design program automatically become members of SkillsUSA, sponsor of the Professional Development Program (PDP). This program is designed to promote leadership, communication, problem solving and skills necessary for employment. Students are encouraged to participate in competitions in their area of specialization.

For information on clubs or organizations within the Visual Art & Design Department, contact the advisor or instructors in the individual areas of specialization.

Additional Program Notes: For information about Student Resources such as Academic Links, Learning/Tutoring, Financial Information, General Resources, Services for Students, Student Life, Health & Recreation, Campus Life and other important information (Disclosures, Student Code of Conduct, Policies/Procedures, and Student Records, etc.) visit: http://www.slcc.edu/studentresources/index.asp#academics

VISUAL ART & DESIGN: DESIGN EMPHASIS – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 69 credits minimum

Visual Art & Design Department
South City Campus, SC N281
General Information, (801) 957-4073
Program Information, (801) 957-4325
http://www.slcc.edu/visualart
Academic Advisor, Cindy Clark, SC W138, (801) 957-3361

Program Faculty:
ADAMSON, Rob – *Professor,* BFA Drawing & Painting, MFA Drawing & Painting
BUDD, Brent – Associate Professor, BFA University of Utah
CHAMBERS, Sheila – *Professor,* BA Communications, MFA Illustration
CURRAN, Jessica – *Instructor,*
EREKSON, J. Chad – *Assistant Professor,* BFA Animation
GRAHAM, Rick – *Professor,* BFA Drawing & Painting, MFA Drawing & Painting
GRUENDELL, Lana – *Professor,* AAS Graphic Design, BFA Drawing & Painting, MEd Educational Technology
GONZALES, Kerry – *Associate Professor,* BFA Graphic Design
HYANS, Whitney King – *Associate Professor,* BS Photography, BFA Photography, MFA Photography
MARTIN, Terry – *Assistant Professor,* CERT Photography, AAS / AA General & Photography, BFA Equivalent Photography
REILAND, Neal – *Associate Professor,* BA Business Administration Marketing / Advertising
ROSENBERGER, Ed – *Assistant Professor,* BFA Photography
WILSON, Andrew – *Instructor,* BA Business Administration Visual Technology / Internet Emphasis, MBA Business Administration

Program Description: Students with an aptitude in creative problem solving, drawing, design, photography and/or computer related visual communication should consider this rapidly expanding and competitive field. The Visual Art & Design Department allows students to specialize in the following areas: Animation, Design, Illustration, Multimedia, Photography, Web Design, and Electronic Publishing.

Students who elect to pursue an AAS Degree in Design will prepare themselves for entry level work in various applications of visual art, graphic design and advertising. Graphic creativity and proficiency in current computer programs necessary for employment in the design field are integral parts in this program.

Graphic designers are responsible for the creative concept, design, layout and execution of printed and digital materials such as ads, brochures, logos, annual reports, catalogs, signs, packaging and posters.

Career Opportunities: Students awarded a Design Degree may find jobs in a variety of industries such as: Graphic Design, Package Design Advertising & Marketing, TV & Film, Book & Magazine Publishing, Printing, Web Design, Animation, Textile Design, Tradeshow & Exhibit Design, Game Design, Research and Public Relations.

Positions may include: Creative Director, Associate Creative Director, Senior Art Director, Art Director, Jr. Art Director, Sr. Graphic Designer, Jr. Graphic Designer, Senior Production Artist, Entry-level Production Artist, Production Manager, Production Associate, Production Assistant, Design Manager, Graphic Design Engineer, Web Designer, Composition Technician, Desktop Publishing Technician, Prepress Department Technician, Paper Representative, Printing Representative, etc.

Transfer/Articulation Information: This AAS Degree is currently not transferable to four year institutions; however, some of the General Education components are transferable. The Visual Art & Design Department is committed to general and pre-professional programs and some credit may be granted by receiving institutions on a per case basis.

Program Entry Requirements:
Required: High School Diploma or equivalent.
Recommended: Artistic and technical aptitude, familiarity with computers.

Total Program/Course Fees: Approximately $250 for all course fees to complete program.
- Computers, software and supplies
- Servers, hosting, and storage space
- Model fees and supplies

Estimated Cost for Students: In addition to tuition and fees, Design students may expect to pay at least $1000 for books and supplies needed for class projects and portfolio development in this two-year program.

Estimated Time to Completion: If students follow the recommended sequence, completion time is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
Demonstrate an acquired knowledge of and ability to apply: • The principles and elements of design. • The history, development and usage of typography. • The study of page layout and how it may be applied to real world design / layout jobs in advertising agencies, graphic design studios, commercial print companies, etc.	1, 2, 4
Demonstrate an acquired knowledge of and ability to apply: • TRADITIONAL (hand rendered) mechanical skills and techniques as a means to complete thumbnail and rough conceptualization studies. • TRADITIONAL (hand rendered) representational, stylistic and figure drawing skills.	1, 2, 3, 4
Demonstrate an acquired knowledge of and ability to apply: • TECHNICAL usage of computer software program skills and vocabulary needed in the design and printing industry. • TECHNICAL usage of paper, printing methods, color application, production and graphic standards.	1, 2, 3, 4, 5
Demonstrate an acquired knowledge of and ability to apply: • Personal responsibility, professional and constructive work habits. • Organizational and time/project management skills. • Positive communication with others, in order to discuss ideas, theories and opinions needed for effective business interaction. • Implementation of the design process, brainstorming, planning and goal performance needed to produce effective presentations and comprehensive portfolio development.	1, 2, 4, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

OR

Any approved EN course

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ART 1210	Math for Vis Arts	3	A	

OR

Any approved QS or QL course

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem Effective Comm	3	A	

OR

Any approved CM course

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ART 1150	Foundation Sem	2	F, Sp	Recommended: take first semester

OR

Any approved HR course

DISTRIBUTION AREAS: (3 CREDITS)

Complete one 3-credit hour course from the list of General Education Distribution Areas (BS, FA, HU, ID, PS, SS). See SLCC General Catalog for complete list of approved courses. Students may wish to consult with a Faculty Advisor for assistance when selecting a Distribution Course.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

DESIGN EMPHASIS REQUIREMENTS: (51 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ART 1110	Foundation I	4	F, SP	
ART 1120	Design	3	A	
ART 1135	Printing Fundamentals	3	A	
ART 1200	InDesign Software	3	A	
ART 1230	Type & Layout	3	A	ART 1200 and ART 1120 (either may be taken concurrently)
ART 1260	Figure Drawing	3	A	ART 1110
ART 1280	Photoshop Software/Des	3	A	
ART 2010	History of Art & Design	3	F	
ART 2070	Portfolio Development	3	F, Sp	ART 2230 (Design Emphasis) or ART 2270 (Illustration Emphasis) or instructor approval
ART 2110	Foundation II Drawing	4	Sp,Su	ART 1110 or ART 1020
ART 2220	Advanced Design	3	F, Sp	ART 1230; take ART 2220 AFTER or concurrently w/ART 2230
ART 2230	Adv Type & Layout	3	F, Sp	ART 1230; take ART 2230 BEFORE or concurrently w/ART 2220
ART 2240	Package Design	3	F, Sp	ART 2230
ART 2280	Advertising Workshop	3	Sp	ART 2230
ART 2412	Illustrator Software	3	F, Sp	
ART 2440	Web Site Design	3	F, Sp	ART 1280
ART 2610	Multimedia Authoring	2	F, Sp	ART 2440

COMPLETE A MINIMUM OF 3 CREDITS FROM THE FOLLOWING DESIGN ELECTIVES:

COURSE		CR	SEM	PREREQUISITE
ART 1050	Intro to Photo (FA)	3	A	
ART 1240	Screen Printing	3	F, Sp	
ART 1310	Photography I	4	A	
ART 1320	Photo Vision	1	F, Sp	ART 1310 or ART 1050 (either may be taken concurrently)
ART 1530	Beg Painting – Watercolor	3	A	
ART 1540	Beg Painting – Oils	3	A	
ART 1620	Intro to Animation	2	F	
ART 1660	Storyboarding	3	Sp	ART 1120 and ART 1620
ART 1900	Special Project	1-4	A	Instructor approval
ART 2140	Adv Photoshop/Des	2	F, Sp	ART 1250 or ART 1810 or ART 2340 or instructor approval
ART 2200	Adv InDesign Software	2	Sp	ART 1200 or instructor approval
ART 2210	Illustration I	3	Sp	ART 1110 and ART 2110 (can be taken concurrently) or instructor approval
ART 2420	Adv Illustrator Software	2	Sp	ART 2412 or instructor approval
ART 2530	Adv Painting – Watercolor	3	A	ART 1530
ART 2540	Adv Painting – Oils	3	A	ART 1540
ART 2550	Website Design II	3	F	ART 2440
ART 2940	Spec Topics Design	1-6	TBA	Instructor approval

ART 2990	Adv Independent Studies	1-3	A	Instructor approval

DESIGN AAS EMPHASIS RECOMMENDED SEQUENCE

SAMPLE SCHEDULE			
1st SEMESTER – FALL		**2nd SEMESTER – SPRING**	
ART 1110	4	ART 1210	3
ART 1120	3	ART 1230	3
ART 1135	3	ART 1280	3
ART 1150	2	ART 2412	3
ART 1200	3	COMM	3
ENGL 1010	3	DESIGN ELEC	3
Total	**18**	**Total**	**18**
3rd SEMESTER – FALL		**4th SEMESTER – SPRING**	
ART 1260	3	ART 2110	4
ART 2010	3	ART 2070	3
ART 2220	3	ART 2240	3
ART 2230	3	ART 2280	3
ART 2440	3	ART 2610	2
DISTRIBUTION	3		
Total	**18**	**Total**	**15**

Advising Notes: Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program.

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. All prerequisite courses must be completed with a C or better grade in order to continue in the program. A student may be dropped from a class if the prerequisite has not been completed. If progress is not deemed satisfactory, students will be counseled and/or given probationary status.

NOTE: Students or professionals wishing to register for a class in which a prerequisite class is required but has not been taken, should contact the instructor about acquiring possible approval to register for the class.

Students should check the semester class schedule on the Internet at www.slcc.edu for availability and modifications caused by varying enrollment. Required departmental classes are not offered every semester. To graduate in two years, students are encouraged to follow the recommended sequence.

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VISUAL ART & DESIGN: ILLUSTRATION EMPHASIS – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 68 credits minimum

Visual Art & Design Department
South City Campus, SC N281
General Information, (801) 957-4073
Program Information, (801) 957-4325
http://www.slcc.edu/visualart
Academic Advisor, Cindy Clark, SC W138, (801) 957-3361

Program Faculty:
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CURRAN, Jessica – Instructor,
EREKSON, J. Chad – *Assistant Professor,* BFA Animation
GRAHAM, Rick – *Professor,* BFA Drawing & Painting, MFA Drawing & Painting
GRUENDELL, Lana – *Professor,* AAS Graphic Design, BFA Drawing & Painting, MEd Educational Technology
GONZALES, Kerry – *Associate Professor,* BFA Graphic Design
HYANS, Whitney King – *Associate Professor,* BS Photography, BFA Photography, MFA Photography
MARTIN, Terry – *Assistant Professor,* CERT Photography, AAS / AA General & Photography, BFA Equivalent Photography
REILAND, Neal – *Associate Professor,* BA Business Administration Marketing / Advertising
ROSENBERGER, Ed – *Assistant Professor,* BFA Photography
WILSON, Andrew – *Instructor,* BA Business Administration Visual Technology / Internet Emphasis, MBA Business Administration

Program Description: Students with an aptitude in creative problem solving, drawing, design, photography and/or computer related visual communication should consider this rapidly expanding and competitive field. The Visual Art & Design Department allows students to specialize in the following areas: Animation, Design, Illustration, Multimedia, Photography, Web Design, and Electronic Publishing.

Students who elect to pursue an AAS Degree in Illustration will prepare themselves for entry level work for traditional and computer illustration. Specializations are book covers, magazine story and spot illustrations in black and white, limited color and full color. Students who are preparing for this area of specialization should acquire a high level of drawing skill.

Career Opportunities: Students can develop a diverse portfolio of original imagery created in various traditional and digital media so students can compete for assignments and staff positions in editorial illustration (including book illustration), advertising illustration, web illustration, and the digital game development industry. Students should understand that it generally takes between 3-5 years to hone a personal, recognizable illustration style and to establish a viable illustration practice.

Transfer/Articulation Information: This AAS Degree is currently not transferable to four year institutions; however, some of the General Education components are transferable. The Visual Art & Design Department is committed to general and pre-professional programs and some credit may be granted by receiving institutions on a per case basis.

Program Entry Requirements:
Required: High School Diploma or equivalent.
Recommended: Artistic and technical aptitude, familiarity with traditional drawing, computers, and Photoshop.

Total Program/Course Fees: Approximately $250
Fees are used for maintenance and upgrade of:
- Computers, software and supplies
- Servers, hosting, and storage space
- Model fees and supplies

Estimated Cost for Students: In addition to tuition and fees, illustration students may expect to pay at least $1000 for books and supplies needed for class projects and portfolio development in this two-year program.

Estimated Time to Completion: If students follow Recommended Sequence, completion time is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Design / Composition / Visual Communication Process Demonstrate an understanding of: 1a. The principles and elements of design. 1b. Visual and conceptual theories and processes of composition for design. 1c. Use of critical and symbolic thinking to communicate visually	1
2. Media / Technique Demonstrate proficiency in: 2a. Drawing within a studio (real life) setting and situation. 2b. Controlling traditional illustration wet and dry media. 2c. Handling and applying digital illustration applications and programs. 2d. Employing photography for illustrative ends.	1
3. **Drawing** Demonstrate proficiency in: 3a. Representational drawing capabilities. 3b. Stylistic or interpretive drawing pursuits (cartoons/caricatures). 3c. Human or figurative drawing, from life, printed reference and mental imagery.	1
4. **Industry / Business / Portfolio** Demonstrate a comprehension of, and tangible evidence of, commercial art as a career pursuit: 4a. In creating a personal work presentation (portfolio) 4b. attending guest artist lectures, workshops and presentations 4c. By visiting galleries 4d. Through researching business requirements and practices 4e. Through civic engagement students can accomplish a diverse portfolio that reflects cultural, promotional, and service goals.	1

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

OR

Any approved EN course

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ART 1210	Math for Vis Arts	3	A	

OR

Any approved QS or QL course

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem Effective Comm	3	A	

OR

Any approved CM course

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ART 1150	Foundation Sem	2	F, Sp	
OR				
Any approved HR course				

DISTRIBUTION AREAS: (3 CREDITS)

Complete one 3-credit hour course from the list of General Education Distribution Areas (BS, FA, HU, ID, PS, SS). See SLCC General Catalog for complete list of approved courses. Students may wish to consult with a Faculty Advisor for assistance when selecting a Distribution Course.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

ILLUSTRATION EMPHASIS REQUIREMENTS: (56 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ART 1110	Foundation I	4	F, Sp	
ART 1120	Design	3	A	
ART 1200	InDesign Software	3	A	
ART 1230	Type & Layout	3	A	ART 1200 and ART 1120 (either may be taken concurrently)
ART 1260	Figure Drawing	3	A	ART 1110
ART 1280	Photoshop Software/Des	3	A	
ART 1310	Photography I	4	A	
ART 1010	Exploring Art	3	A	
OR				
ART 2010	History of Art & Design	3	F, Sp	
ART 2070	Portfolio Development	3	F, Sp	ART 2230 (Design Emphasis) or ART 2270 (Illustration Emphasis) or instructor approval
ART 2110	Foundation II	4	F, Sp	ART 1110 or ART 1020
ART 2210	Illustration I	3	Sp	ART 1110 and ART 2110 (can be taken concurrently) or instructor approval
ART 2260	Adv Figure Draw	2	F	ART 1260
ART 2270	Illustration II	3	F	ART 2210
ART 2290	Adv Illustration	2	Sp	ART 2270
ART 2412	Illustrator Software	3	F, Sp	
ART 2480	Digital Painting	2	F, Sp	ART 1800 and ART 2110
ART 2520	Adv Drawing	2	F	ART 1110 or instructor approval
ART 2560	Figure Painting	3	Sp	ART 1260 and ART 2110

COMPLETE ONE ILLUSTRATION ELECTIVE COURSE: (2-3 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ART 2050	Vis Dev & Character Des	2	F	
ART 2440	Web Site Design	3	F, Sp	ART 1280

ILLUSTRATION AAS EMPHASIS RECOMMENDED SEQUENCE

SAMPLE SCHEDULE			
1st SEMESTER – FALL		**2nd SEMESTER – SPRING**	
ART 1110	4	ART 2110	4
ART 1150	2	ART 1200	3
ART 1120	3	ART 1210	3
ART 1310	4	ART 1260	3
ART 1280	3	ART 2210	3
		COMM 1010	3
Total	**16**	**Total**	**19**

3rd SEMESTER – FALL		4th SEMESTER – SPRING	
ART 1230	3	ART 2070	3
ART 2260	2	ART 2290	2
ART 2270	3	ART 2560	3
ART 2412	3	ART 2480	2
ART 2520	2	ENGL 1010	3
ART 1010/2010	3	ELEC	2-3
ELEC	2		
Total	**18**	**Total**	**15-16**

Advising Notes: Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program.

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. All prerequisite courses must be completed with a C or better grade in order to continue in the program. A student may be dropped from a class if the prerequisite has not been completed. If progress is not deemed satisfactory, students will be counseled and/or given probationary status.

NOTE: Students or professionals wishing to register for a class in which a prerequisite class is required but has not been taken, should contact the instructor about acquiring possible approval to register for the class.

Students should check the semester class schedule on the Internet at www.slcc.edu for availability and modifications caused by varying enrollment. Required departmental classes are not offered every semester. To graduate in two years, students are encouraged to follow the recommended sequence.

Not all Visual Art and Design (ART) classes may be audited. This is especially true for any Visual Art & Design class that has a prerequisite (see course catalog for list of prerequisite classes). Auditing a prerequisite course does not guarantee that the student has mastered the required skills needed for the next level class. Some Visual Art & Design classes that have a prerequisite may be audited if the student can demonstrate an appropriate skill level to the instructor before registering for the class. Students wishing to audit any Visual Art & Design (ART) class without officially completing a prerequisite class (with a 'C' grade or better) must obtain signed permission from the instructor or email authorization before registering for the class. Visual Art & Design (ART) classes that do not have a prerequisite may be audited as per the Auditing Classes guidelines listed in the SLCC catalog.

All students enrolled in the Visual Art & Design program automatically become members of SkillsUSA, sponsor of the Professional Development Program (PDP). This program is designed to promote leadership, communication, problem solving and skills necessary for employment. Students are encouraged to participate in competitions in their area of specialization.

For information on clubs or organizations within the Visual Art & Design Department, contact the advisor or instructors in the individual areas of specialization.

Additional Program Notes: For information about Student Resources such as Academic Links, Learning/Tutoring, Financial Information, General Resources, Services for Students, Student Life, Health & Recreation, Campus Life and other important information (Disclosures, Student Code of Conduct, Policies/Procedures, and Student Records, etc.) visit: http://www.slcc.edu/studentresources/index.asp#academics

VISUAL ART & DESIGN: MULTIMEDIA EMPHASIS – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 68 credits minimum

Visual Art & Design Department
South City Campus, SC N281
General Information, (801) 957-4073
Program Information, (801) 957-4325
http://www.slcc.edu/visualart
Academic Advisor, Cindy Clark, SC W138, (801) 957-3361

Program Faculty:
ADAMSON, Rob – *Professor,* BFA Drawing & Painting, MFA Drawing & Painting
BUDD, Brent – Associate Professor, BFA University of Utah
CHAMBERS, Sheila – *Professor,* BA Communications, MFA Illustration
CURRAN, Jessica – *Instructor,*
EREKSON, J. Chad – *Assistant Professor,* BFA Animation
GRAHAM, Rick – *Professor,* BFA Drawing & Painting, MFA Drawing & Painting
GRUENDELL, Lana – *Professor,* AAS Graphic Design, BFA Drawing & Painting, MEd Educational Technology
GONZALES, Kerry – *Associate Professor,* BFA Graphic Design
HYANS, Whitney King – *Associate Professor,* BS Photography, BFA Photography, MFA Photography
MARTIN, Terry – *Assistant Professor,* CERT Photography, AAS / AA General & Photography, BFA Equivalent Photography
REILAND, Neal – *Associate Professor,* BA Business Administration Marketing / Advertising
ROSENBERGER, Ed – *Assistant Professor,* BFA Photography
WILSON, Andrew – *Instructor,* BA Business Administration Visual Technology / Internet Emphasis, MBA Business Administration

Program Description: Students with an aptitude in creative problem solving, drawing, design, photography and/or computer related visual communication should consider this rapidly expanding and competitive field. The Visual Art & Design Department allows students to specialize in the following areas: Animation, Design, Illustration, Multimedia, Photography, Web Design, and Electronic Publishing.

Students who elect to pursue an AAS Degree in Multimedia will prepare themselves for entry level work using industry applications for authoring multimedia content for diverse delivery mediums, including internet, mobile devices, HDTV content and turn key applications. In addition, students will become adept at using computers to edit sound and video, create 3D graphics, animation and digital artwork, as well as designing/producing printed collateral and developing websites. These technical skills are complimented by courses that will provide the opportunity to acquire solid art and design abilities. Those with a propensity for learning technical concepts and a creative and artistic aptitude will enjoy the exciting field of multimedia.

Career Opportunities: Multimedia artists create digital 2D and 3D art and animation and use authoring tools to build digital applications for use on the World Wide Web and in corporate, educational or entertainment titles. Students who follow this track will earn an AAS Degree in Visual Art and Design/Multimedia Emphasis.

Transfer/Articulation Information: This AAS Degree is currently not transferable to four year institutions; however, some of the General Education components are transferable. The Visual Art & Design Department is committed to general and pre-professional programs and some credit may be granted by receiving institutions on a per case basis.

Program Entry Requirements:
Required: High School Diploma or equivalent.
Recommended: Artistic and technical aptitude, familiarity with traditional drawing, computers, and Photoshop.

Total Program/Course Fees: Approximately $250
Fees are used for maintenance and upgrade of:

- Computers, software and supplies
- Servers, hosting, and storage space
- Model fees and supplies
- Projection technologies

Estimated Cost for Students: In addition to tuition and fees, illustration students may expect to pay at least $1000 for books and supplies needed for class projects and portfolio development in this program.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
Design / Composition / Process Demonstrate an understanding of: The principles and elements of design, Visual and conceptual theories and processes of composition for design, How each of these objectives may be applied to real world design and layout jobs in agencies, graphic design studios, commercial print companies and web site design companies.	1, 2, 4
Media / Technique Demonstrate proficiency in: Drawing and Design, Image Editing, video production and 3D Animation, Web Site Development and Flash Development as needed in the multimedia industry.	1, 2, 4
Portfolio Development Demonstrate an understanding and comprehensive portfolio of image editing, video editing, sound editing, and web site design by compiling a final project or portfolio, Using sound, video, web, image software to create a final portfolio, Through researching business requirements and practices students will begin to make the transition from school to industry.	1, 2, 3, 4

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

OR

Any approved EN course

QUANTITATIVE STUDIES (QS) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Intermediate Algebra	4	A	RDG 0900; within the last year MATH 0990 w/C grade or better or appropriate Acccuplacer score

OR

Any approved QS or QL course

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem Effective Comm	3	A	

OR

Any approved CM course

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ART 1150	Foundation Sem	2	F, Sp	

OR

Any approved HR course

DISTRIBUTION AREAS: (3 CREDITS)

Complete one 3-credit hour course from the list of General Education Distribution Areas (BS, FA, HU, ID, PS, SS). See SLCC General Catalog for complete list of approved courses. Students may wish to consult with a Faculty Advisor for assistance when selecting a Distribution Course.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

MULTIMEDIA EMPHASIS REQUIREMENTS: (56 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ART 1110	Foundation I	4	F, Sp	
ART 1120	Design	3	A	
ART 1200	InDesign Software	3	A	
ART 1230	Type & Layout	3	A	ART 1200 and ART 1120 (either may be taken concurrently)
ART 1260	Figure Drawing	3	A	ART 1110
ART 1800	Digital Media Essentials	4	A	
ART 1810	Interm Photo/Multi	2	F, Sp	ART 1800
ART 2110	Foundation II	4	F, Sp	ART 1110 or 1020
ART 2230	Adv Type & Layout	3	F, Sp	ART 1230; take ART 2230 BEFORE or concurrently w/ART 2220
ART 2412	Illustrator Software	3	F, Sp	
ART 2440	Web Site Design	3	F, Sp	ART 1800
ART 2470	Digital Video Production	2	F	ART 1280, ART 1800, ART 2340 or instructor approval
ART 2480	Digital Painting	2	F, Sp	ART 1280 or ART 1800, and ART 2110
ART 2490	Adv Computer Graphics	2	Sp	Instructor approval
ART 2610	Multimedia Authoring	2	F, Sp	ART 2440
ART 2630	Intro to 3D Modeling	3	F, Sp	ART 1800 or instructor approval
CS 2560	Obj Orient Prog/Multim	2	Sp	ART 2440

ART ELECTIVE COURSE: (SELECT 1-2 CREDITS)

MULTIMEDIA AAS EMPHASIS RECOMMENDED SEQUENCE

SAMPLE SCHEDULE			
1st SEMESTER – FALL		**2nd SEMESTER – SPRING**	
ART 1110	4	ART 2110	4
ART 1150	2	ART 1120	3
ART 1200	3	ART 1230	3
ART 1800	4	ART 1810	2
MATH 1010	4	ART 2412	3
		ENGL 1010	3
Total	**17**	**Total**	**18**
3rd SEMESTER – FALL		**4th SEMESTER – SPRING**	
ART 1260	3	ART 2230	3
ART 2440	3	ART 2490	2
ART 2470	3	ART 2610	2
ART 2480	2	ART ELEC	1-2
ART 2630	3	COMM 1010	3
DISTRIBUTION	3	CS 2560	2
Total	**16**	**Total**	**16-17**

Advising Notes:
Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program.

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. All prerequisite courses must be completed with a C or better grade in order to continue in the program. A student may be dropped from a class if the prerequisite has not been completed. If progress is not deemed satisfactory, students will be counseled and/or given probationary status.

NOTE: Students or professionals wishing to register for a class in which a prerequisite class is required but has not been taken, should contact the instructor about acquiring possible approval to register for the class.

Students should check the semester class schedule on the Internet at www.slcc.edu for availability and modifications caused by varying enrollment. Required departmental classes are not offered every semester. To graduate in two years, students are encouraged to follow the Recommended Sequence.

Not all Visual Art and Design (ART) classes may be audited. This is especially true for any Visual Art & Design class that has a prerequisite (see course catalog for list of prerequisite classes). Auditing a prerequisite course does not guarantee that the student has mastered the required skills needed for the next level class. Some Visual Art & Design classes that have a prerequisite may be audited if the student can demonstrate an appropriate skill level to the instructor before registering for the class. Students wishing to audit any Visual Art & Design (ART) class without officially completing a prerequisite class (with a 'C' grade or better) must obtain signed permission from the instructor or email authorization before registering for the class. Visual Art & Design (ART) classes that do not have a prerequisite may be audited as per the Auditing Classes guidelines listed in the SLCC catalog.

All students enrolled in the Visual Art & Design program automatically become members of SkillsUSA, sponsor of the Professional Development Program (PDP). This program is designed to promote leadership, communication, problem solving and skills necessary for employment. Students are encouraged to participate in competitions in their area of specialization.

For information on clubs or organizations within the Visual Art & Design Department, contact the advisor or instructors in the individual areas of specialization.

Additional Program Notes: For information about Student Resources such as Academic Links, Learning/Tutoring, Financial Information, General Resources, Services for Students, Student Life, Health & Recreation, Campus Life and other important information (Disclosures, Student Code of Conduct, Policies/Procedures, and Student Records, etc.) visit: http://www.slcc.edu/studentresources/index.asp#academics.

VISUAL ART & DESIGN: PHOTOGRAPHY EMPHASIS – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 63 – 64 credits minimum

Visual Art & Design Department
South City Campus, SC N281
General Information, (801) 957-4073
Program Information, (801) 957-4325
http://www.slcc.edu/visualart
Academic Advisor, Cindy Clark, SC W138, (801) 957-3361

Program Faculty:
ADAMSON, Rob – *Professor,* BFA Drawing & Painting, MFA Drawing & Painting
BUDD, Brent – Associate Professor, BFA University of Utah
CHAMBERS, Sheila – *Professor,* BA Communications, MFA Illustration
CURRAN, Jessica – *Instructor,*
EREKSON, J. Chad – *Assistant Professor,* BFA Animation
GRAHAM, Rick – *Professor,* BFA Drawing & Painting, MFA Drawing & Painting
GRUENDELL, Lana – *Professor,* AAS Graphic Design, BFA Drawing & Painting, MEd Educational Technology
GONZALES, Kerry – *Associate Professor,* BFA Graphic Design
HYANS, Whitney King – *Associate Professor,* BS Photography, BFA Photography, MFA Photography
MARTIN, Terry – *Assistant Professor,* CERT Photography, AAS / AA General & Photography, BFA Equivalent Photography
REILAND, Neal – *Associate Professor,* BA Business Administration Marketing / Advertising
ROSENBERGER, Ed – *Assistant Professor,* BFA Photography
WILSON, Andrew – *Instructor,* BA Business Administration Visual Technology / Internet Emphasis, MBA Business Administration

Program Description: Students with an aptitude in creative problem solving, drawing, design, photography and/or computer related visual communication should consider this rapidly expanding and competitive field. The Visual Art & Design Department allows students to specialize in the following areas: Animation, Design, Illustration, Multimedia, Photography, Web Design, and Electronic Publishing.

Photography is widely used in visual art and design, including fine art. Students who elect to pursue the AAS Degree in Visual Art & Design's Photography Emphasis will become acquainted with, and gain competencies in, all aspects of the photographic arts. Competencies will include: film and digital camera operation, studio and existing lighting control, working in both digital and film environments to produce color and black and white imagery. This prepares students to work as freelance photographers or continue their education for an advanced degree. Students will learn various visual art business practices and they will prepare a professional portfolio. The final and exit portfolio is a required component of the Photography Program and is designed to obtain an entry-level job within one of the many photography related career paths.

The photography emphasis student must have access to fully adjustable camera equipment (digital SLR) and additional equipment and supplies as required for this program and its various courses.

Career Opportunities: Photographers provide traditionally and digitally produced images appropriate for use in advertising and design applications including; web, stock, commercial, and editorial photography. Photographers also work as portrait, documentary and fine art photographers. Students who follow this track will earn an AAS Degree in Visual Art & Design/Photography Emphasis. Professional photography positions such as freelance photographer, portrait photographer, fine art photographer, commercial photographer, photographic assistant, digital lab tech / lab aid, photographic representative and sales person will be attainable by the student.

Transfer/Articulation Information: This AAS Degree is currently not transferable to four year institutions; however, some of the General Education components are transferable. The Visual Art & Design Department is committed to general and pre-professional programs and some credit may be granted by receiving institutions on a per case basis. Students desiring to transfer to a four-year institution in Photography should contact Asst. Professor Terry Martin, terry.martin@slcc.edu.

Program Entry Requirements: All students interested in majoring in photography must have their own 35mm, digital SLR camera and/or medium format camera with full manual capabilities. All prerequisite courses must be completed with a grade of C or better to continue in the program.

Total Program/Course Fees: $225-$265 in class/lab fees.

Estimated Cost for Students: $1,000 over the two-year period. This is an estimate for the specific photographic supplies that students will need to purchase in order to complete the assignments and outlined objectives. This amount does not include a camera.

Estimated Time to Completion: If students follow Recommended Sequence, completion time is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
1. Foundations of Art: Graduates will demonstrate competent application and produce high quality photographic images that exhibit an understanding of visual art and design skills, and visual controls.	1, 2, 3, 4
2. Film and Digital Image Capture: Graduates will demonstrate competent applications and produce images that exhibit an understanding of: • Advanced level exposure control • Comprehension of Gray Scale/Zone System • White Balance • Focus control • Composition	1, 2, 3 4
3. Computation/Marketing/ Business Skills: Graduates will demonstrate competent applications of business and marketing knowledge, professionalism, & communication skills for employment within the photographic industry.	1, 3,4, 5
4. Printing Film Negatives and Digital Files: Graduates will demonstrate competent applications of printing both digital files and traditional film to create high quality portfolio level color and/or black and white prints.	1, 3, 2, 4
5. Natural / Existing Light and Artificial Light: Graduates will produce high quality images that exhibit an industry level understanding and control of light theory as it applies to photography.	1, 2, 4

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

OR

Any approved EN course

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ART 1210	Math for Vis Arts	3	A	

OR

Any approved QS or QL course

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem Effective Comm	3	A	

OR

Any approved CM course

HUMAN RELATIONS (HR) 2 CREDITS

COURSE		CR	SEM	PREREQUISITE
ART 1150	Foundation Sem	2	F, Sp	
OR				
Any approved HR course				

DISTRIBUTION AREAS: (3 CREDITS)

Complete one 3-credit hour course from the list of General Education Distribution Areas (BS, FA, HU, ID, PS, SS). See SLCC General Catalog for complete list of approved courses. Students may wish to consult with a Faculty Advisor for assistance when selecting a Distribution Course.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

PHOTOGRAPHY EMPHASIS REQUIREMENTS: (37 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ART 1110	Foundation I	4	F, Sp	
OR				
ART 1020	Intro to Drawing (FA)	3	A	
ART 1120	Design	3	A	
ART 1310	Photography I	4	A	
ART 1320	Photo Vision	3	F, Sp	ART 1310 or ART 1050 or either concurrently
ART 1340	Photo Lighting & Equip 1	4	Sp	ART 1310. Coreq: ART 1380
ART 1380	Photography II	4	A	ART 1310
ART 2310	Photo Light & Equip 2	4	F	ART 1340 and ART 1380
ART 2330	Photo; Cultural Hist (HU)	3	F, Sp	
ART 2340	Photoshop for Photo	3	F, Sp	ART 1380
ART 2380	Adv Studies in Photo	4	Sp	ART 2310
ART 2370	Photo Business Practices	3	Sp	ART 2310
ART 2375	Photo Portfolio Develop	1	Sp	ART 2310

PHOTOGRAPHY ELECTIVE COURSES: (SELECT A MINIMUM OF 7 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
ART 1375	Photo Diversity (FA, DV)	3	F, Sp	ART 1050 or ART 1310 w/C grade or better
ART 2300	Alternative Photo	3	Sp	ART 1310
ART 2350	Photo People/Portrait	3	F	ART 2310 (can be taken concurrently)
ART 2360	Nature Photography	3	Sp	ART 1380
ART 2910	Photo Fieldtrip Wksp	3	Sp	Instructor Approval
ART 2970	Spec Topics Photography	1-6	TBA	Instructor approval
ART 2990	Adv Independent Studies	1-3	A	Instructor approval

NON-PHOTOGRAPHY ART OR FLM ELECTIVES:

(CHOOSE A NON-PHOTOGRAPHY ART COURSE FROM THE VISUAL ART & DESIGN DEPARTMENTAL ELECTIVES, OR FLM 1045 BEGINNING FILM PRODUCTION) See additional for Photo Electives, ART/FLM Electives, General Education Core Skills Requirements, and General Education Distribution Area Requirements.

PHOTOGRAPHY AAS EMPHASIS RECCOMENDED SEQUENCE

SAMPLE SCHEDULE			
1st SEMESTER – FALL		**2nd SEMESTER – SPRING**	
ART 1110/ART 1020	3/4	ART 1120	3
ART 1150 or HR	2-3	ART 1340	4
ART 1310	4	ART 1380	4
ART 1320	3	ART 1210 or QS/QL	3
ENGL 1010	3	COMM	3
Total	**15-16**	**Total**	**17**
3rd SEMESTER – FALL		**4th SEMESTER – SPRING**	
ART NON PHOTO ELEC	3	ART 2370	3
ART 2310	4	ART 2375	1
ART 2330	3	ART 2380	4
ART 2340	3	PHOTO ELEC	1-3
PHOTO ELEC	3	PHOTO ELEC	3
		DISTRIBUTION	3
Total	**16**	**Total**	**15-17**

Advising Notes:
Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program.

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. All prerequisite courses must be completed with a C or better grade in order to continue in the program. A student may be dropped from a class if the prerequisite has not been completed. If progress is not deemed satisfactory, students will be counseled and/or given probationary status.

NOTE: Students or professionals wishing to register for a class in which a prerequisite class is required but has not been taken, should contact the instructor about acquiring possible approval to register for the class.

Students should check the semester class schedule on the Internet at www.slcc.edu for availability and modifications caused by varying enrollment. Required departmental classes are not offered every semester. To graduate in two years, students are encouraged to follow the Recommended Sequence.

Not all Visual Art and Design (ART) classes may be audited. This is especially true for any Visual Art & Design class that has a prerequisite (see course catalog for list of prerequisite classes). Auditing a prerequisite course does not guarantee that the student has mastered the required skills needed for the next level class. Some Visual Art & Design classes that have a prerequisite may be audited if the student can demonstrate an appropriate skill level to the instructor before registering for the class. Students wishing to audit any Visual Art & Design (ART) class without officially completing a prerequisite class (with a 'C' grade or better) must obtain signed permission from the instructor or email authorization before registering for the class. Visual Art & Design (ART) classes that do not have a prerequisite may be audited as per the Auditing Classes guidelines listed in the SLCC catalog.

For information on clubs or organizations within the Visual Art & Design Department, contact the advisor or instructors in the individual areas of specialization.

Additional Program Notes: For information about Student Resources such as Academic Links, Learning/Tutoring, Financial Information, General Resources, Services for Students, Student Life, Health & Recreation, Campus Life and other important information (Disclosures, Student Code of Conduct, Policies/Procedures, and Student Records, etc.) visit: http://www.slcc.edu/studentresources/index.asp#academics.

VISUAL ART & DESIGN: WEB DESIGN EMPHASIS – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 69 credits minimum

Visual Art & Design Department
South City Campus, SC N281
General Information, (801) 957-4073
Program Information, (801) 957-4325
http://www.slcc.edu/visualart
Academic Advisor, Cindy Clark, SC W138, (801) 957-3361

Program Faculty:
ADAMSON, Rob – *Professor,* BFA Drawing & Painting, MFA Drawing & Painting
BUDD, Brent – Associate Professor, BFA University of Utah
CHAMBERS, Sheila – *Professor,* BA Communications, MFA Illustration
CURRAN, Jessica – *Instructor,*
EREKSON, J. Chad – *Assistant Professor,* BFA Animation
GRAHAM, Rick – *Professor,* BFA Drawing & Painting, MFA Drawing & Painting
GRUENDELL, Lana – *Professor,* AAS Graphic Design, BFA Drawing & Painting, MEd Educational Technology
GONZALES, Kerry – *Associate Professor,* BFA Graphic Design
HYANS, Whitney King – *Associate Professor,* BS Photography, BFA Photography, MFA Photography
MARTIN, Terry – *Assistant Professor,* CERT Photography, AAS / AA General & Photography, BFA Equivalent Photography
REILAND, Neal – *Associate Professor,* BA Business Administration Marketing / Advertising
ROSENBERGER, Ed – *Assistant Professor,* BFA Photography
WILSON, Andrew – *Instructor,* BA Business Administration Visual Technology / Internet Emphasis, MBA Business Administration

Program Description: Students with an aptitude in creative problem solving, drawing, design, photography and/or computer related visual communication should consider this rapidly expanding and competitive field. The Visual Art & Design Department allows students to specialize in the following areas: Animation, Design, Illustration, Multimedia, Photography, Web Design, and Electronic Publishing.

Students who elect to pursue an AAS degree in Web Design will prepare themselves for entry-level work in the design, creation, and maintenance of websites. Web Design students will obtain both creative and technical skill sets in Web Design, XHTML, CSS and JavaScript alongside structural knowledge of web marketing, web animation, e-Commerce, the social and mobile web.

Career Opportunities: Web Design artists find varied careers in the design, creation, and maintenance of websites in the promotion, film, broadcast, visual effects, mobile, and internet industries.

Transfer/Articulation Information: This AAS Degree is currently not transferable to four year institutions; however, some of the General Education components are transferable. The Visual Art & Design Department is committed to general and pre-professional programs and some credit may be granted by receiving institutions on a per case basis.

Program Entry Requirements:
Required: High School Diploma or equivalent.
Recommended: Artistic and technical aptitude, familiarity with traditional drawing, computers, and Photoshop.

Total Program/Course Fees: depending on chosen electives approximately $500. Fees are used for maintenance and upgrade of:

- Computers, software and supplies
- Servers, hosting, and storage space
- Projection technologies

Estimated Cost for Students: In addition to tuition and fees, and depending on chosen electives, web design students may expect to pay an estimated $500 for books, hosting and supplies needed for class projects and portfolio development in this two-year program.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
Demonstrate substantive knowledge of the principles and elements of design.	1, 2, 4
Demonstrate competent application and execution of current web page front-end programming technologies.	1, 2, 3, 4
Illustrate competent mastery of current web design and development software.	1, 4, 5
Prove proficiency in social, promotional, and mobile web marketplaces utilizing ethical practices.	1, 2, 4, 5

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

OR

Any approved EN course

QUANTITATIVE STUDIES (QS) 4 CREDITS

COURSE		CR	SEM	PREREQUISITE
MATH 1010	Intermediate Algebra	4	A	RDG 0900; within the last year MATH 0990 w/C grade or better or appropriate Acccuplacer score

OR

Any approved QS or QL course

COMMUNICATION (CM) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
COMM 1010	Elem Effective Comm	3	A	

OR

Any approved CM course

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ART 1150	Foundation Sem	2	F, Sp	

OR

Any approved HR course

DISTRIBUTION AREAS: (3 CREDITS)

Complete one 3-credit hour course from the list of General Education Distribution Areas (BS, FA, HU, ID, PS, SS). See SLCC General Catalog for complete list of approved courses. Students may wish to consult with a Faculty Advisor for assistance when selecting a Distribution Course.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

The following are **RECOMMENDED** distribution courses for Web Design students

COURSE		CR	SEM	PREREQUISITE
ART 1050	Intro to Photo (FA)	3	A	
COMM 2570	Intro to Vis Comm (FA)	3	A	

WEB DESIGN EMPHASIS REQUIREMENTS

COMPLETE THE FOLLOWING VISUAL ARTS CORE COURSE REQUIREMENTS: (24 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ART 1110	Foundation I	4	F, Sp	
ART 1120	Design	3	A	
ART 1200	InDesign Software	3	A	
ART 1230	Type & Layout	3	A	ART 1200 and ART 1120 (either may be taken concurrently)
ART 1280	Photoshop Software/Des	3	A	
ART 1800	Digital Media Essentials	4	A	
ART 2110	Foundation II	4	F, Sp	ART 1110 or ART 1020

COMPLETE THE FOLLOWING WEB DESIGN CORE COURSES: (22 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ART 2400	Web Project Management	3	Sp	ART 2440 and ART 2550
ART 2440	Web Site Design	3	F, Sp	ART 1800
ART 2550	Website Design II	3	F	ART 2440 w/C grade or better
ART 2570	E-Commerce Design	2	F	ART 2440
ART 2580	Web Animation	3	F, Sp	ART 2440
ART 2590	Dynamic Web Design	4	Sp	ART 2440 and ART 2550
COMM 2525	Web Site Promotion	4	F, Sp	ART 2440

COMPLETE THE FOLLOWING WEB DESIGN CORE COURSES: (2 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ART 1850	Portfolio Career Prep	2	F, Sp	
ART 2490	Adv Computer Graphics	2	Sp	Instructor approval

COMPLETE MINIMUM OF 6 CREDITS FROM THE FOLLOWING WEB DESIGN ELECTIVE COURSES: (6 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ART 1050	Intro to Photo (FA)	3	A	
ART 2140	Adv Photoshop/Des	2	F, Sp	ART 1250 or ART 1810 or ART 2340 or instructor approval
ART 2230	Adv Type & Layout	3	F, Sp	ART 1230; take ART 2230 BEFORE or concurrently w/ART 2220
ART 2412	Illustrator Software	3	F, Sp	
ART 2470	Digital Video Production	2	F	ART 1280, ART 1800, ART 2340 or instructor approval
ART 2480	Digital Painting	2	F, Sp	ART 1280 or ART 1800, and ART 2110
ART 2660	Visual Effects & Comp	3	F	ART 2640
ART 2900	Visual Art/Des Seminar	1-3	TBA	Instructor approval
ART 2980	Spec Topics Multimedia	1-6	TBA	Instructor approval
COMM 2400	Web 2.0 Strategies	3	F,Sp	ART 2440
COMM 2570	Intro Visual Comm (FA)	3	A	
CS 2560	Obj Orient Prog/Multimed	2	Sp	ART 2440

WEB DESIGN AAS EMPHASIS RECOMMENDED SEQUENCE

SAMPLE SCHEDULE			
1st SEMESTER – FALL		**2nd SEMESTER – SPRING**	
MATH 1010	4	ENGL 1010	3
ART 1110	4	ART 1280	3
ART 1120	3	ART 1230	3
ART 1800	4	ART 2440	3
ART 1200	3	ART 1150	2
Total	**18**	**Total**	**17**
3rd SEMESTER – FALL		**4th SEMESTER – SPRING**	
ART 2580	3	ART 2590	4
ART 2550	3	ART 2490	2
ART 2570	2	ART 2400	3
COMM 2525	4	COMM 1010	3
ELEC	3-4	ELEC	3-4
DISTRIBUTION	3		
Total	**18-19**	**Total**	**15-16**

Advising Notes:
Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program.

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. All prerequisite courses must be completed with a C or better grade in order to continue in the program. A student may be dropped from a class if the prerequisite has not been completed. If progress is not deemed satisfactory, students will be counseled and/or given probationary status.

NOTE: Students or professionals wishing to register for a class in which a prerequisite class is required but has not been taken, should contact the instructor about acquiring possible approval to register for the class.

Students should check the semester class schedule on the Internet at www.slcc.edu for availability and modifications caused by varying enrollment. Required departmental classes are not offered every semester. To graduate in two years, students are encouraged to follow the Recommended Sequence.

Not all Visual Art and Design (ART) classes may be audited. This is especially true for any Visual Art & Design class that has a prerequisite (see course catalog for list of prerequisite classes). Auditing a prerequisite course does not guarantee that the student has mastered the required skills needed for the next level class. Some Visual Art & Design classes that have a prerequisite may be audited if the student can demonstrate an appropriate skill level to the instructor before registering for the class. Students wishing to audit any Visual Art & Design (ART) class without officially completing a prerequisite class (with a 'C' grade or better) must obtain signed permission from the instructor or email authorization before registering for the class. Visual Art & Design (ART) classes that do not have a prerequisite may be audited as per the Auditing Classes guidelines listed in the SLCC catalog.

For information on clubs or organizations within the Visual Art & Design Department, contact the advisor or instructors in the individual areas of specialization.

Additional Program Notes: For information about Student Resources such as Academic Links, Learning/Tutoring, Financial Information, General Resources, Services for Students, Student Life, Health & Recreation, Campus Life and other important information (Disclosures, Student Code of Conduct, Policies/Procedures, and Student Records, etc.) visit: http://www.slcc.edu/studentresources/index.asp#academics.

WEB GRAPHIC DESIGN – CERTIFICATE OF PROFICIENCY[CTE] 27 credits minimum

Visual Art & Design Division
South City Campus, SC N281
General Information, (801) 957-4073
Program Information, (801) 957-4325
http://www.slcc.edu/visualart
Academic Advisor, Cindy Clark, SC W138, (801) 957-3361

Program Faculty:
ADAMSON, Rob – *Professor,* BFA Drawing & Painting, MFA Drawing & Painting
BUDD, Brent – Associate Professor, BFA University of Utah
CHAMBERS, Sheila – *Professor,* BA Communications, MFA Illustration
CURRAN, Jessica – *Instructor,*
EREKSON, J. Chad – *Assistant Professor,* BFA Animation
GRAHAM, Rick – *Professor,* BFA Drawing & Painting, MFA Drawing & Painting
GRUENDELL, Lana – *Professor,* AAS Graphic Design, BFA Drawing & Painting, MEd Educational Technology
GONZALES, Kerry – *Associate Professor,* BFA Graphic Design
HYANS, Whitney King – *Associate Professor,* BS Photography, BFA Photography, MFA Photography
MARTIN, Terry – *Assistant Professor,* CERT Photography, AAS / AA General & Photography, BFA Equivalent Photography
REILAND, Neal – *Associate Professor,* BA Business Administration Marketing / Advertising
ROSENBERGER, Ed – *Assistant Professor,* BFA Photography
WILSON, Andrew – *Assistant Professor,* BA Business Administration Visual Technology / Internet Emphasis, MBA Business Administration

NOTE: This program is pending approval by the Utah State Board of Regents. Students may apply for graduation in this program beginning Fall Semester 2012.

Program Description: The Web Graphic Design Certificate of Proficiency is a 27-credit program designed to prepare students to design websites from concept to completion and includes coursework in basic design principles, website architecture, graphic design, web animation, audio and video production, and website promotion. Students will prepare a portfolio of websites they can use to demonstrate their skills to potential employers. This program was created as part of SLCC's $2.7 million Community-Based Job Training (CBJT) grant from the Department of Labor.

Career Opportunities: Upon completion of program, students will qualify for work as assistants or junior web designers.

Program Entry Requirements: Grant project participants will be tested by the Department of Workforce Services (DWS) and Salt Lake Community College (SLCC).

Estimated Cost for Students: Approximately $2932 in tuition, plus student fees and approximately $500 in books, storage devices and supplies. Students will need access to computer systems.

NOTE: This Certificate of Proficiency is **not** eligible for financial aid. However, courses within the certificate may be eligible if taken as part of a financial aid eligible program. Please check with the Financial Aid Office to determine if your classes are eligible.

Estimated Time to Completion: If students follow the suggested semester schedule, time to completion is two semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
	1 – Substantive Knowledge 2 – Communicate Effectively 3 – Develop Quantitative Literacy 4 – Think Critically 5 – Civic Engagement and/or Working Professionally
Students will be able to design and create complete information architecture of a website while demonstrating substantive field knowledge, critical thinking and effective communication.	1, 4, 5

Students will be able to design and create web site assets, such as buttons, illustrations, images, video, and sound, and so on in appropriate formats using coding and appropriate software.	1, 4
Students will be able to incorporate visual communication design principles including color, theory, typography, and layout into their websites.	1, 4, 5
Students will be able to create a complete website with a minimum of 25 web pages. The site will have a consistent, appropriate image with all assets compressed appropriately and functional. The site effectiveness will be evaluated by both peer teams and the instructor.	1, 4, 5

REQUIRED COURSES: (24 CREDITS)

COURSE		CR	SEM	PREREQUISITE
ART 1120	Basic Design	3	A	
ART 1200	InDesign Software	3	A	
ART 1230	Typography and Layout	3	A	ART 1200, ART 1120 or w/ART 1120
ART 1280	Photoshop Software/Dsgn	3	A	
ART 1800	Digital Media Essentials	4	A	
ART 2440	Web Site Design	3	A	EBT/ART/COMM 1800
ART 2580	Web Animation	3	F, Sp	ART/COMM 2440
ART 1850	Portfolio/Career Prep	2	F, Sp	Satisfactory completion of a minimum of two 2000 level courses in Visual Art and Design, Communication, and/or Fine Arts departments

ELECTIVE COURSES: (SELECT 3 CREDITS FROM THE FOLLOWING)

COURSE		CR	SEM	PREREQUISITE
COMM 1515	Basic Audio Production	3	F, Sp	
COMM 1820	Media Content Mgmt	3	F, Sp	COMM/ART/FLM 1800 or with COMM/ART/FLM 1800
COMM 2200	Beg Video Production	4	F, Sp	COMM/ART/FLM 1800. FLM 1800 preferred
COMM 2525	Website Promotion	4	F, Sp	
COMM 2570	Intro. Visual Comm	4	F, Sp	
ART 1170	Intro Animation	5	Sp	ART 1110 and approval
ART 1310	Photography I	4	A	none
ART 2450	Website Design II	3	F	ART 2440
ART 2610	Multimedia Authoring	2	F, Sp	ART 2430
ART 2000	CO-OP Education	1-5	A	Instructor approval
ART 2470	Desktop Video Production	2	F	ART 1280 or ART 1810

SAMPLE SCHEDULE			
FALL SEMESTER		**SPRING SEMESTER**	
ART 1120	3	ART 1230	3
ART 1200	3	ART 2440	3
ART 1280	3	ART 2580	3
ART 1800	3	COMM 2525	4
		ART 1850	2
Total	**12**	**Total**	**15**

WELDING FABRICATION & INSPECTION – ASSOCIATE OF APPLIED SCIENCE[CTE] (AAS) 66 credits minimum

Technical Specialties Division
Taylorsville Redwood Campus
General Information, (801) 957-4073
Program Information, (801) 957-4096
http://www.slcc.edu/welding
Academic Advisor, Redwood Campus CT 294, (801) 957-4550

Program Faculty:
Assistant Professors – Steve Ford

Program Description: Degree seeking students will receive a foundation of industry practices, welding theory, and knowledge of metal alloys and metallurgy processes. Graduates from the program will be competent in layout, fabrication, inspection, fitting, cutting and forming metals, and determining electrodes/wire and filler metals required by industry. Students will have the opportunity to learn techniques for certification testing, competent blueprint interpretation, and written procedures required by industry. Welders desiring to improve their position by upgrading their skills in specific welding processes or applications; or welders desiring instruction certification, fabrication, or inspection are encouraged to enroll in the program.

The welding program at SLCC also provides training in a variety of welding processes and joint designs. This includes:
OAW – all position oxyacetylene welding, cutting and plasma cutting
SMAW – stick welding, all positions, plate and pipe
CAC – Carbon Arc Cutting
GMAW – all position wire feed welding
GTAW – all position TIG welding ferrous and non-ferrous metals
FCAW – flux cored arc welding
SAW – submerged arc welding
Blueprint reading, fabrication and layout
Operation of shears, rolls, drills and brakes

Career Opportunities: Right now, there is a need for 2,200 welders in Utah, and a need for 200,000 across the nation. There are 5 open jobs to every candidate in welding. SLCC's welding students are many times offered a welding position before they finish the program.
SLCC welding graduates will be prepared to find careers such as:

- Fabricator/Welder: $19.00 - $24.00/hr
- Pipe Welders: $20.00-$50.00/hr

Businesses will test graduates' skills to determine what their pay should be. Because of the shortage of welders, opportunities for overtime are common, which means you can earn even more pay!

Transfer/Articulation Information: Students who earn an AAS degree in Welding have the option to transfer into the Technology Management Bachelor Degree at Utah Valley University. UVU will accept up to 45 technical credits towards this degree. Contact the University Center for current information: http://www.slcc.edu/universitycenter/programs.

Program Entry Requirements: Good eyesight, good eye-hand coordination, physical condition and basic reading and math skills are required for success in this program. Students may start this program during the Fall or Spring semester. For information on getting started, please visit http://www.slcc.edu/gettingstarted/index.asp

Total Program/Course Fees: In addition to tuition and fees, students will pay a lab fee for welding labs. This fee is based on materials, consumables, and supplies required for the particular lab. Lab fees may vary due to individual abilities and material required by individual labs. Contact program faculty for more information on lab fees.

Estimated Cost for Students:
Tuition per semester: http://www.slcc.edu/cashiering/tuitionfees.asp
Supplies & personal protective equipment: Ranges from $300 to $450

Estimated Time to Completion: If students follow suggested sample schedule, completion time is four semesters.

Program Student Learning Outcomes	Related College-Wide Student Learning Outcomes
1.1 Students will demonstrate knowledge to pass a practical examination such as AWS code book, AWS publications, API code, ASME code. 1.2 Students will demonstrate the ability to comprehend basic welding techniques, fabrication through interpretation of blue prints, spec. orders, material orders, best practices related to principals, policies and procedures in the welding industry.	1 – Substantive Knowledge
2.1 Students will demonstrate effective oral communication skills in a presentation in the theory welding area. 2.2 Students will demonstrate effective oral communication with proper welding terminology, acronyms, and personal communications.	2 – Communicate Effectively
3.1 Students will be able to apply reasoning and interpret information represented on data, graphs, and/or tables.	3 – Develop Quantitative Literacies
4.1 Students will be able to apply welding knowledge to effectively utilize problem solving skills as it relates to the operation of equipment in the industry 4.2 Student will demonstrate the ability to identify, analyze, and synthesize relevant data from multiple information sources in order to develop acceptable conclusions.	4 – Think Critically
5.1 Students will be able to engage and interact as a team in a learning environment to develop skills which relate welding industry standards.	5 – Civic Engagement and/or Working Professionally

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS:

COMPOSITION (EN) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
ENGL 1010	Intro to Writing	3	A	WRTG 0990 w/C grade or better or appropriate Accuplacer score

QUANTITATIVE STUDIES (QS) 3 CREDITS

COURSE		CR	SEM	PREREQUISITE
IND 1120	Math for Industry	3	F, Sp	MATH 0900

COMMUNICATION (CM) 3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved CM course			

HUMAN RELATIONS (HR) 2-3 CREDITS

COURSE	CR	SEM	PREREQUISITE
Any approved HR course			

DISTRIBUTION AREAS: (3 CREDITS)

Choose an additional three credits from one of the following distribution areas.

COURSE	CR
Biological Science (BS)	3-4
Fine Arts (FA)	3-4
Humanities (HU)	3
Interdisciplinary (ID)	3
Physical Science (PS)	3
Social Science (SS)	3

REQUIRED COURSES: (55 CREDITS)

COURSE		CR	SEM	PREREQUISITE
IND 1130	Math for Welders	3	F, Sp	IND 1120
PHYS 1010	Elementary Physics	3	F, Sp	
NDT 1110	Intro to NDT	3	F, Sp	
MCCT 1500	Manual Machining	2	F, Sp	Coreq: MCCT 1510
MCCT 1510	Manual Mach Lab.	1	F, Sp	Coreq: MCCT 1500
WLD 1110	Fund of Welding	3	F, Sp	Coreq: WLD 1111
WLD 1111	Fund of Weld Lab	7	F, Sp	Coreq: WLD 1110
WLD 1120	Weld Process/Quality	3	F, Sp	WLD 1110, WLD 1111 Coreq: WLD 1121
WLD 1121	Weld Proc/Qual Lab	7	F, Sp	WLD 1110, WLD 1111 Coreq: WLD 1120
WLD 1230	Gas Shield Weld Insp	3	F, Sp	WLD 1120, WLD 1121 Coreq: WLD 1231
WLD 1231	Gas Shield Weld In Lab	7	F, Sp	WLD 1120, WLD 1121 Coreq: WLD 1230
WLD 1240	Flux Core/Pipe Fab	3	F, Sp	WLD 1230, WLD 1231 Coreq: WLD 1241
WLD 1241	Flux Core/Pipe Fab Lab	7	F, Sp	WLD 1230, WLD 1231 Coreq: WLD 1240
WLD 1260	Blueprint for Welding	3	F, Sp	

NOTE: PHYS 1010 Elementary Physics (PS) fulfills both General Education Distribution and Major Course Requirements.
FA 1080 Basic Metal Sculpting (FA) fulfills General Education Distribution Area Requirement.

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
ENGL 1010	3	CM	3
IND 1120	3	HR	2-3
WLD 1110	3	WLD 1120	3
WLD 1111	7	WLD 1121	7
		NDT 1110	3
Total	**16**	**Total**	**18-19**

FALL SEMESTER		SPRING SEMESTER	
IND 1130	3	WLD 1240	3
WLD 1230	3	WLD 1241	7
WLD 1231	7	WLD 1260	3
PHYS 1010	3	MCCT 1500	2
		MCCT 1510	1
Total	**16**	**Total**	**16**

Advising Notes:
Students will need basic reading and math skills. Students who need to take preparatory classes to meet the requirements of the first semester courses should plan on extra time to complete the program.

It is the students' responsibility to understand the requirements for their chosen program of study and to examine each course description for details about the prerequisite classes. It is highly recommended that each student meet with the program advisor prior to starting this program. The program advisor may be reached at (801) 957-4550.

SKILLSUSA
All students enrolled in the welding program may participate in Skills USA. This program is designed to promote leadership, communication, social, and employability skills.

COOPERATIVE EDUCATION
It is possible to earn some laboratory credit through cooperative education. With prior approval of a faculty member and/or CO-OP coordinator, students may register for the CO-OP course.

School of Professional and Economic Development

Continuing Education

Miller Business Resource Center

Miller Campus Conferencing Facility

Utah Small Business Development Center

Institute of Public Safety

School Of Professional And Economic Development

SLCC's School of Professional and Economic Development (SPED) offers convenient, accessible professional and continuing education courses and programs. SLCC's continuing education enriches people's personal lives, increases the marketable skills of Utah's workforce, improves workplace productivity for the state's employers, and creates vibrant, sustainable businesses for local communities. The SPED is committed to providing quality lifelong learning education and training programs that exceed student expectations and enhance the lives of those who participate in the school's courses, workshops, and seminars.

Faculty and staff of the SPED are dedicated professionals who bring experience in industry, government, and education both here and abroad to Salt Lake Community College. Offering a wide array of convenient, accessible courses, SLCC's professional and continuing education continue to meet the needs of individuals, employers, and entrepreneurs. The SPED has flexible scheduling and delivery options that fit the lives of students and professionals, accommodating those looking for online courses, credit or non-credit options, and open enrollment offerings.

Continuing Education

ACCELERATED BUSINESS DEGREE (AS)

Contact: Elisha Suazo
(801) 957-5422
elisha.suazo@slcc.edu

Salt Lake Community College is the place to start or advance a business career. SLCC offers a fast track Associate of Science degree in Business. This program is geared toward working professionals who want to upgrade their skills, progress in their careers or transfer to a four-year business program. Students can complete a degree in as few as 14 months.

QUALITY INSTRUCTION

At the College, students have access to full-time highly qualified instructors and advisors who work as a team to integrate courses and meet high academic standards.

DESIGNED FOR WORKING PROFESSIONALS

Students move through the program as a group and generally take three classes each session. The courses utilize a blend of classroom and online instruction, along with other features tailored for working professionals:

- Predictable Schedule
- Classes meet every Tuesday and Thursday evening.
- Convenient Location

The Larry H. Miller Campus, 9750 South 300 West in Sandy, is one of Utah's premiere business facilities.

FAST TRACK

Complete a degree in as few as 14 months. The accelerated degree encompasses the core courses in business needed to complete the Associate of Science in Business degree. For individuals who need General Education (GE) classes, there are opportunities to take the GE classes concurrently with the program.

ACCREDITATION

The Associate of Science in Business degree is accredited by the Association of Collegiate Business Schools and Programs (ACBSP) and courses are transferable to most 4-year institutions of higher education in Utah.

PROGRAM PREREQUISITES

Prospective students must:

- Complete an application.
- Have completed ENGL 1010 within the last 12 months with letter grade of B or better, or qualifying placement score.
- Have completed MATH 1010 within the last 12 months with a recommended letter grade of B or better, or qualifying placement score.
- Have completed CIS 1020 with a letter grade of B or better, or qualifying placement score.

LOCATION: Miller Campus
SEMESTERS OFFERED: Spring, Tuesday/Thursday evenings
CREDIT/NON-CREDIT: Credit
(Credit programs require application to SLCC)

PROGRAM COURSES:

CEAB 0001 Program Introductory Workshop (C/NC)
COMM 1020 Principles of Public Speaking (3 Cr)
BUS 1050 Foundations of Business (3 Cr)
ANTH 2011 People & Cultures of SW (3 Cr)
MATH 1090 College Algebra - Business (3 Cr)
SOC 1010 Intro to Sociology
PHIL 1200 Diversity and Philosophy of Work (3 Cr)
BUS 1100 Applied Business Calculus (3 Cr)
CIS 2010 Bus Computer Profic-Database (3 Cr)
MGT 2040 Business Statistics I (4 Cr)
ENGL 2010 Intermediate Writing (3 Cr)
ACCT 2010 Survey of Financial Accounting (3 Cr)
ECON 2010 Principles of Microeconomics (3 Cr)
ECON 1740 Economic History of U.S. (3 Cr)
ACCT 2020 Managerial Accounting (3 Cr)
ECON 2020 Principles of Macroeconomics (3 Cr)
MGT 2050 Legal Environment of Business (3 Cr)

COMPUTER WORKSHOPS

Contact: Dan Trujillo, MBA
(801) 957-4845
dan.trujillo@slcc.edu

These quality, short-term computer training courses are offered to both individuals and businesses at any skill level and are taught in person at several campus locations. The College can also schedule custom training at a business location or at any SLCC campus that is the most convenient.

LOCATION: Taylorsville Redwood Campus, Miller Campus and Library Square Center
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Non-Credit

MICROSOFT ACCESS

CECW 0405 Access Level I (7 hr)
Prereq: Basic knowledge of a database and Windows.
CECW 0406 Access Level II (7 Hr)
Prereq: Access Level I.
CECW 0407 Access Level III (7 Hr)
Prereq: Access Levels I and II.
CECW 0408 Access Advanced Topics - Query Techniques (7 Hr)
Prereq: Access Levels I and II.
CECW 0409 Access Advanced Topics - Reporting Techniques (7 Hr)
Prereq: Access Levels I and II.

CECW 0410 Access Advanced Topics - Macro Techniques (7 Hr)
Prereq: Access Levels I, II, and III.
CECW 0414 Access Advanced Topics - Security (7 Hr)
Prereq: Access Levels I, II, and III.

ADOBE ACROBAT PROFESSIONAL

CECW 0803 Adobe Acrobat Pro (3 Hr)
Prereq: Basic knowledge of Windows.

ADOBE ILLUSTRATOR

CECW 0804 Adobe Illustrator Level I (6 Hr)
Prereq: Knowledge of Windows and experience working with images.
CECW 0805 Adobe Illustrator Level II (6 Hr)
Prereq: Illustrator Level I.

ADOBE INDESIGN

CECW 0806 Adobe InDesign Level I (6 Hr)
Prereq: Knowledge of Windows and experience working with images.
CECW 0807 Adobe InDesign Level II (6 Hr)
Prereq: InDesign Level I.

ADOBE PHOTOSHOP

CECW 0800 Photoshop Level I (6 Hr)
Prereq: Knowledge of Windows and experience working with images.
CECW 0801 Photoshop Level II (6 Hr)
Prereq: Photoshop Level I.

DREAMWEAVER

CECW 0603 Dreamweaver (12 Hr)
Prereq: Basic knowledge of Windows.

EBAY TRAINING

CECW 0609 Selling on eBay - Seller's Basics (6 Hr)
Prereq: Basic knowledge of Windows, Email and Internet.

MICROSOFT EXCEL

CECW 0210 Excel Level I (6 Hr)
Prereq: Basic knowledge of Windows.
CECW 0211 Excel Working with Large Worksheets (3.5 Hr)
Prereq: Excel Level I.
CECW 0212 Excel Charts and Graphics (3.5 Hr)
Prereq: Excel Level I.
CECW 0213 Excel Database Management/Pivot Tables (3.5 Hr)
Prereq: Excel Level I.
CECW 0214 Excel Using Advanced Functions (3.5 Hr)
Prereq: Excel Level I.
CECW 0215 Excel Organizational Tools (3.5 Hr)
Prereq: Excel Level I.
CECW 0216 Excel Macros, Toolbars, and Macro Buttons (3.5 Hr)
Prereq: Excel Level I.

FLASH

CECW 0607 Flash (12 Hr)
Prereq: Knowledge of Windows and experience working with images.

XHTML/CSS

CECW 0612 CSS/XHTML (9 Hr)
Prereq: Basic knowledge of Windows.

INTERNET

CECW 0601 Internet Overview (6 Hr)
Prereq: Basic knowledge of Windows.

INTRODUCTION TO THE MAC

CECW 0307 Mac Overview (6 Hr)

INTRODUCTION TO PERSONAL COMPUTERS

CECW 0515 Introduction to PC's (6 Hr)

MICROSOFT OFFICE SUITE

CECW 0507 Microsoft Office Suite (18 Hr)
Prereq: Basic knowledge of Windows.
CECW 0110 Word Level I (6 Hr)
CECW 0210 Excel Level I (6 Hr)
CECW 0703 PowerPoint Level I (6 Hr)

MICROSOFT OUTLOOK

CECW 0504 Outlook (3 Hr)
Prereq: Basic knowledge of Windows.

MICROSOFT POWERPOINT

CECW 0703 PowerPoint Level I (6 Hr)
Prereq: Basic knowledge of Windows and MS Word.
CECW 0704 PowerPoint Level II (6 Hr)
Prereq: PowerPoint Level I.

MICROSOFT PROJECT

CECW 0508 Microsoft Project (9 Hr)
Prereq: Basic knowledge of Windows.

DESKTOP PUBLISHING

CECW 0701 Introduction to MS Publisher (3 Hrs)
Prereq: Basic knowledge of Windows and MS Word.

QUICKBOOKS PRO

CECW 0230 QuickBooks Pro Beginning (6 Hr)
Prereq: Basic knowledge of Windows.
CECW 0231 QuickBooks Pro Intermediate (6 Hr)
Prereq: QuickBooks Beginning - builds on material learned in prior class.
CECW 0232 QuickBooks Pro Advanced (6 Hr)
Prereq: QuickBooks Intermediate; builds on material learned in prior class

WEBSITES FOR PERSONAL USE

CECW 0613 Personal Websites (3 Hrs)
Prereq: Basic knowledge of Windows

HOURS MICROSOFT WINDOWS

CECW 0305 Windows Introduction (6 Hr)

MICROSOFT WORD

CECW 0110 Word Level I (6 Hr)
Prereq: Basic knowledge of Windows.
CECW 0124 Word Level II (6 Hr)
Prereq: Word Level I.
CECW 0125 Word Level III (6 Hr)
Prereq: Word Levels I and II.

CUSTOM COMPUTER WORKSHOPS

SLCC also offers custom training program. Computer Workshops can create a tailor-made program for any business. Describe the needs and Computer Workshops will design and implement a program.

For more information, please call (801) 957-4845.

CONTINUING PROFESSIONAL DEVELOPMENT

Salt Lake Community College offers courses that meet requirements for continuing professional development.

ARCHITECTURE CONTINUING EDUCATION

Contact: Kathy Jonsson
(801) 957-5383
kathy.jonsson@slcc.edu

Designed for professionals who need 16 hours of Continuing Education credits to maintain their license. SLCC's Architecture License Renewal program offers classes that meet the Division of Occupational & Professional Licensing (DOPL) requirements.

FORMAT: Online, CD, Smartphone app
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Non-Credit

PROGRAM COURSES:

CECT 0300 LEED 101 (1 Hr)
CECT 0301 Advanced LEED (1 Hr)
CECT 0302 Mechanics' Liens Law (1 Hr)
CECT 0303 Insurance Legal Issues in Construction (1 Hr)
CECT 0304 Litigating a Construction Case (1 Hr)
CECT 0305 Successful Contracts (1 Hr)
CECT 0306 Construction Law Topics (1 Hr)
CECT 0307 Construction Legislative Topic (1 Hr)
CECT 0308 IBC Commercial Codes (1 Hr)
CECT 0309 IRC Residential Code (1 Hr)

For additional course details, visit: www.slcccontinuinged.com/ceu.

ATTORNEY CONTINUING EDUCATION

Contact: Kathy Jonsson
(801) 957-5383
kathy.jonsson@slcc.edu

www.slcccontinuinged.com/ceu.

Designed for professionals who need 24 hours of Continuing Legal Education credits to maintain their Utah State Bar License.

FORMAT: Online, CD, Smartphone app
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Non-Credit

PROGRAM COURSES:

CECT 0400 LEED 101 (1 Hr)
CECT 0401 Advanced LEED (1 Hr)
CECT 0402 Mechanics' Liens Law (1 Hr)
CECT 0403 Insurance Legal Issues in Construction (1 Hr)
CECT 0404 Litigating a Construction Case (1 Hr)
CECT 0405 Successful Contracts (1 Hr)
CECT 0406 Construction Law Topics (1 Hr)

CONTRACTOR CONTINUING EDUCATION

Contact: Kathy Jonsson
(801) 957-5383
kathy.jonsson@slcc.edu

Designed for professionals who need six hours of Continuing Education credits (Professional Development and Core Curriculum) to maintain their Utah State Contractor's License. SLCC's Contractor License Renewal program offers classes that meet the Division of Occupational & Professional Licensing (DOPL) requirements.

FORMAT: Online, CD, Smartphone app
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Non-Credit

PROGRAM COURSES:

CECT 0010 LEED: Construction & Design (1 Hr) (Professional)
CECT 0020 Mechanics' Liens in Utah (1 Hr) (Core)
CECT 0030 Construction Insurance Issues (1 Hr) (Professional)
CECT 0040 Litigating Construction Cases (1 Hr) (Professional)
CECT 0050 Construction Contracts in Utah (1 Hr) (Professional)
CECT 0060 AIA & Consensus DOCS Contracts (1 Hr) (Core)
CECT 0070 Advanced LEED Topics (1 Hr) (Professional)
CECT 0080 Construction Law Updates (1 Hr) (Core)
CECT 0090 International Building Code for Commercial Buildings (1 Hr) (Core)
CECT 0110 International Residential Code (1 Hr) (Core)
CECT 0111 Patent Protection Basics
CECT 0112 Intellectual Property & Copyright
CECT 0113 The 7 Habits of Effective Contractors
CECT 0114 The 7 Habits of Contractor Managers
CECT 0120 The New Face of Marketing
CECT 0121 Construction Meets EPA
CECT 0123 OSHA & Multi-Employer Policy
CECT 0124 Profitability or Bust
CECT 0125 Stix & Brix to Dollars & Sense

For additional course listings, visit: www.slcccontinuinged.com/ceu.

ELECTRICAL CONTINUING EDUCATION

Contact: Kathy Jonsson
(801) 957-5383
kathy.jonsson@slcc.edu

Designed for journeyman electricians who need 16 hours of Continuing Education credits to maintain their Utah State Electrician's License and meet the Division of Occupational & Professional Licensing (DOPL) requirements. Training is traditionally offered every other year in the even year.

LOCATION: Taylorsville Redwood Campus
FORMAT: Lecture
SEMESTERS OFFERED: Varies
CREDIT/NON-CREDIT: Non-Credit

PROGRAM COURSES:

CECT 0006 NEC – 8 Hours Code
CECT 0009 Electrical Safety & Code Review
CEHZ 0200 Bsic Photovoltaic Systems
CEHZ 0300 Advanced Photovoltaic Systems
SESG 0410 NEC 2011 Solar Photovoltaic's

For additional course listings, visit: www.slcccontinuinged.com/ceu.

PROFESSIONAL ENGINEERING CONTINUING EDUCATION

Contact: Kathy Jonsson
(801) 957-5383
kathy.jonsson@slcc.edu

Designed for professionals who need 24 hours of Continuing Education credits to maintain their Utah State Professional Engineering License. SLCC's Professional Engineering License Renewal program offers classes that meet the Division of Occupational & Professional Licensing (DOPL) requirements.

FORMAT: Online, CD, Smartphone app
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Non-Credit

PROGRAM COURSES:

CECT 0201 LEED 101 (1 Hr)
CECT 0202 Advanced LEED (1 Hr)
CECT 0203 Mechanics' Liens Law (1 Hr)
CECT 0204 Insurance Legal Issues & Construction (1 Hr)
CECT 0205 Litigating a Construction Case (1 Hr)
CECT 0206 Successful Contracts (1 Hr)
CECT 0207 Construction Law Topics (1 Hr)
CECT 0208 Construction Legislative Topic (1 Hr)
CECT 0209 IBC Commercial Codes (1 Hr)
CECT 0210 IRC Residential Code (1 Hr)

For additional course listings, visit: www.slcccontinuinged.com/ceu.

DIGITAL MEDIA

Continuing Education's Digital Media Program at Salt Lake Community College offers non-credit courses and workshops in 3D animation, competitive intelligence, knowledge management, ePortfolio, electronic business technology and social networking.

3D ANIMATION

Contact: Kathy Jonsson
(801) 957-5383
kathy.jonsson@slcc.edu

Autodesk 3Ds Max & Autodesk Maya are state of the art 3D modeling, animation, and rendering programs for games, films, and television used by top professionals around the world. These courses prepare students for certification in Autodesk Digital Media as well as becoming familiar with common practices in the media and entertainment industry.

LOCATION: Varies
FORMAT: Lecture/Lab
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Non-Credit

PROGRAM COURSES:

CEDM 0010 Autodesk 3Ds Max Basics (3 Cr)
CEDM 0020 Autodesk Maya Basics (3 Cr)

ELECTRONIC BUSINESS TECHNOLOGY

Contact: Kathy Jonsson
(801) 957-5383
kathy.jonsson@slcc.edu

Electronic Business Technology (EBT) provides students with advanced information technology skills in digital multimedia, e-commerce design, web development, e-learning and technology management, networking and routing technology, server administration and engineering. This emphasis offers a successful path for students to be part of the digital transformation by perfecting the skills needed for today's changing market.

FORMAT: Online
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Credit
(Credit programs require application to SLCC)

PROGRAM COURSES:

EBT 1210 Creativity and Problem Solving (3 Cr)

SOCIAL MEDIA

Contact: Kathy Jonsson
(801) 957-5383
kathy.jonsson@slcc.edu

Social media changes the way people interact with the world and makes people more successful. Social media workshops provide students experience with six kinds of social media and the new rules of marketing with each format. Leveling the playing field for social interaction applies to everyone from corporate entities to individuals.

LOCATION: Varies
FORMAT: Lecture/Lab
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Non-Credit

PROGRAM WORKSHOPS:

CEDM 0100 Blogs (2 Hr)
CEDM 0110 Facebook and Twitter (2 Hr)
CEDM 0120 Podcasts (2 Hr)
CEDM 0130 YouTube (2 Hr)
CEDM 0140 Webinars (2 Hr)
CEDM 0150 Email Newsletters (2 Hr)

ED2GO INTERNET COURSES

NON CREDIT (24 CEU)

Contact: Mykel Severson
(801) 957-5407
mykel.severson@slcc.edu

Ed2go's instructor-facilitated online courses are informative, convenient and highly interactive. Instructors create supportive learning communities.

Courses run for six weeks (with a 10-day grace period at the end). Courses are project-oriented and include lessons, quizzes, hands-on assignments, discussion areas and supplementary links. Complete these courses entirely from home or office at any time. Certificates of completion available on request.

START DATES:

New course sessions begin each month. Visit the Online Instruction Center to see exact start dates.

REQUIREMENTS:

All courses require Internet access, email and Internet Explorer or Firefox web browsers. Some courses may have additional requirements. Visit the Online Instruction Center for more information at www.ed2go.com/saltlakecc

LOCATION: All, online
SEMESTERS OFFERED: All, new session every month, year-round
CREDIT/NON CREDIT: Non-Credit
Classes do not qualify for financial aid.

PROGRAM COURSES:

ACCOUNTING

CETG 0250, 0350Accounting Fundamentals I & II
CETG 0301 Introduction to Crystal Reports
CETG 0640,0641Introduction to QuickBooks

BASIC COMPUTER LITERACY

CETG 0187 Keyboarding
CETG 0108 Introduction to the Internet
CETG 0137 Introduction to Windows XP
CETG 0365 Introduction to Linux
CETG 0225 Computer Skills for the Workplace
CETG 0342 Introduction to PC Security

BUSINESS & MANAGEMENT

CEMG 0017 Project Management Fundamentals
CEMG 0038 High-Speed Project Management
CETG 0427 Introduction to Microsoft Project 2007
CEMG 0021, 0022 PMP Certification Prep 1 & 2
CEMG 0010 Fundamentals of Supervision and Management
CEMG 0013 Administrative Assistant Fundamentals
CEMG 0012 Purchasing Fundamentals
CEMG 0019 Six Sigma: Total Quality Fundamentals
CEMG 0015 Employment Law Fundamentals
CEMG 0014 Mastery of Business Fundamentals
CEMG 0016 Managing Customer Service
CEMG 0034 Understanding the Human Resources Function
CEMG 0033 Distribution and Logistics Management
CEMG 0037 Principles of Sales Management
CEMG 0035 Introduction to Business Analysis
CETG 0255 Successful Construction Business Management
CETG 0136 Going Green at the Workplace
CETG 0251 Effective Business Writing

CAREER EXPLORATION

CETG 0428 Explore a Career as an Administrative Medical Assistant
CETG 0454 Explore a Career as a Dental Office Assistant
CETG 0453 Explore a Career as a Pharmacy Technician
CETG 0439 Explore a Career in Medical Coding
CETG 0398 Become an Optical Assistant
CETG 0449 Spanish for Medical Professionals
CETG 0307 Real Estate Investing
CETG 0277 Get Paid to Travel
CFTG 0228 Fundamentals of Technical Writing
CETG 0291 Publish It Yourself: How to Start and Operate Your Own Publishing Business
CETG 0273 Become a Veterinary Assistant
CETG 0375 Become a Veterinary Assistant II: Canine Reproduction
CETG 0475 Become a Veterinary Assistant III: Practical Skills
CETG 0139 Medical Terminology: Word Association Approach
CETG 0135 Medical Transcription

CERTIFICATION PREP

CETG 0132, 0133, 0134CompTIA® A+ Certification Prep
CETG 0355 CompTIA Security+ Certification Prep
CETG 0213 CompTIA® Network+ Certification Prep

COMPUTER APPLICATIONS

CETG 0320, 0321, 0322, 0420, 0421Beginning, Intermediate, Advanced Microsoft Word 2003 & 2007
CETG 0325, 0425, 0480Beginning, Intermediate, Advanced Microsoft Access
CETG 0323, 0324, 0330, 0423, 0424, 0430Beginning, Intermediate, Advanced Microsoft Excel
CETG 0341, 0441PowerPoint 2003 & 2007
CETG 0435 Introduction to Microsoft Publisher
CETG 0300, 0401Microsoft Outlook 2003 & 2007
CETG 0327, 0427Microsoft Project 2003 & 2007

CREATIVE WRITING & PUBLISHING

CETG 0142, 0284Writeriffic I & II: Creativity Training for Writers
CETG 0269 Write & Publish Your Non-fiction Book
CETG 0173 Grammar Refresher
CETG 0229 The Keys to Effective Editing
CETG 0337 Introduction to Journaling
CETG 0290 Beginner's Guide to Getting Published
CETG 0383 Romance Writing Secrets
CETG 0127 Write Your Life Story
CETG 0230 Write Fiction Like a Pro
CETG 0141 The Craft of Magazine Writing
CETG 0385 Advanced Fiction Writing
CETG 0303 Research Methods for Writers
CETG 0228 Fundamentals of Technical Writing
CETG 0396 A Writer's Guide to Descriptive Settings
CETG 0392 Forensic Science For Writers
CETG 0384 Mystery Writing
CETG 0353 Writing for Children
CETG 0131 Travel Writing
CETG 0354 Beginning Writer's Workshop
CETG 0231 Intro to Internet Writing Markets
CETG 0158 Writing Essentials

DATABASE MANAGEMENT

CETG 0145 Introduction to Database Management
CETG 0208, 0308Oracle (Intro & Intermediate)
CETG 0146 Introduction to SQL
CETG 0301 Introduction to Crystal Reports
CETG 0325, 0425Introduction to Microsoft Access

DIGITAL PHOTOGRAPHY

CETG 0192 Discover Digital Photography
CETG 0318, 0543Beginning & Intermediate Photoshop CS4
CETG 0438, 0437, 0461Photoshop Elements 6.0, 7.0, 8.0
CETG 0347 Making Movies with Windows XP
CETG 0283 Photographing People With Your Digital Camera
CETG 0638 Photographing Nature
CETG 0390 Travel Photography

GRANT WRITING/NONPROFIT MANAGEMENT

CEMG 0232 Creating Your Own Nonprofit
CEMG 0332 Non Profit Fundraising Essentials
CEMG 0032 Introduction to Nonprofit Management
CEMG 0132 Marketing Your Nonprofit
CETG 0382 Get Grants!
CETG 0154 A to Z Grant Writing
CETG 0182 Writing Effective Grant Proposals
CETG 0282 Advanced Grant Proposal Writing
CETG 0155 Becoming a Grant Writing Consultant

GRAPHICS & MULTIMEDIA DESIGN

CETG 0417 Intro to Flash CS4
CETG 0444, 0445 Dreamweaver CS4, Introduction & Intermediate
CETG 0348 Introduction to Microsoft FrontPage
CETG 0381 Creating Web Graphics with Photoshop CS3
CETG 0387, 0487, 0318, 0643 Adobe Photoshop CS3 & CS4, Intro and Intermediate
CETG 0438, 0483, 0461 Photoshop Elements 6.0, 7.0 & 8.0
CETG 0409, 0509 InDesign CS3 & CS4
CETG 0270 Drawing for the Absolute Beginner

HEALTH & WELLNESS

CETG 0188 Lose Weight & Keep it Off!
CETG 0309 Handling Medical Emergencies
CETG 0140 Introduction to Natural Health and Healing
CETG 0447 Luscious, Low-Fat, Lightning Quick Meals
CETG 0433 Going Green at Home

LANGUAGES

CETG 0152, 0352, 0452Speed Spanish I, II, III
CETG 0377 Instant Italian
CETG 0278 Beginning Conversational French
CETG 0189 Beginning Braille Transcription
CETG 0153 Grammar for ESL
CETG 0411 Conversational Japanese
CETG 0399 Introduction to Teaching ESL/EFL

PC SECURITY & NETWORKING

CETG 0101 Introduction to PC Troubleshooting
CETG 0220, 0224 Beginning & Intermediate Networking
CETG 0334 Wireless Networking
CETG 0342, 0442PC Security (Intro & Advanced)

PERSONAL ENRICHMENT

CETG 0173 Grammar Refresher
CETG 0174 Twelve Steps to a Successful Job Search
CETG 0176 Individual Excellence
CETG 0238 Leadership
CETG 0225 Computer Skills for the Workplace
CETG 0299 Merrill Ream Speed Reading
CETG 0172 Get Assertive!
CETG 0171 Achieving Success with Difficult People
CETG 0168 Keys to Effective Communication
CETG 0309 Handling Medical Emergencies
CETG 0349 Music Made Easy
CETG 0270 Drawing for the Absolute Beginner
CETG 0204 Genealogy Basics
CETG 0316 Interpersonal Communication
CETG 0175 Resume Writing Workshop
CETG 0402 Skills for Making Great Decisions
CETG 0127 Write Your Life Story

PERSONAL FINANCE

CETG 0307 Real Estate Investing
CETG 0123 Debt Elimination Techniques That Work
CETG 0367 Where Does All My Money Go?
CETG 0292 Personal Finance
CETG 0160 Introduction to Stock Options
CETG 0357 Building Wealth
CETG 0323, 0423Microsoft Excel 2003 & 2007

START YOUR OWN BUSINESS

CETG 0296 Learn to Buy and Sell on eBay
CETG 0345 Marketing Your Business on the Internet
CETG 0305 Secrets of the Caterer
CETG 0291 Publish It Yourself: How to Start and Operate Your Own Publishing Business
CETG 0126 Start Your Own Consulting Practice
CETG 0120 Start and Operate Your Own Home-Based Business
CETG 0177 Creating a Successful Business Plan
CETG 0267 Business and Marketing Writing
CETG 0394 Start Your Own Small Business
CETG 0494 Start Your Own Arts & Crafts Business

TEACHING & EDUCATION

CETG 0335 Guided Reading & Writing: Maximum Student Achievement
CETG 0336 Guided Reading: Strategies for the Differentiated Classroom
CETG 0306 Enhancing Language Development in Childhood
CETG 0379 Practical Ideas for the Adult ESL/EFL Classroom
CETG 0450 Singapore Math: Number Sense and Computational Strategies
CETG 0143 Spanish in the Classroom
CETG 0287 Teaching ESL/EFL Reading
CETG 0288 Teaching ESL/EFL Grammar
CETG 0289 Teaching ESL/EFL Vocabulary
CETG 0361 Teaching Science: Grades 4-6
CETG 0362 Teaching Writing: Grades 4-6
CETG 0360 Teaching Math: Grades 4-6
CETG 0295 Differentiated Instruction in the Classroom
CETG 0276 Creating the Inclusive Classroom: Strategies for Success
CETG 0344 Singapore Math Strategies: Model Drawing for Grades 1-6
CETG 0339 Teaching Students With Autism: Strategies for Success
CETG 0389 Response to Intervention: Reading Strategies That Work
CETG 0376 Working Successfully With Learning Disabled Students
CETG 0317 Introduction to Algebra
CETG 0418 Teaching Preschool: A Year of Inspiring Lessons
CETG 0272 Solving Classroom Discipline Problems
CETG 0388 Survival Kit for New Teachers
CETG 0332 Big Ideas in Little Books
CETG 0363 The Classroom Computer
CETG 0331 Using the Internet in the Classroom
CETG 0363 The Creative Classroom
CETG 0138 Web 2.0: Blogs, Wikis & Podcasts

TEST PREP

CETG 0210 GED Preparation
CETG 0310 Prepare for the GED Language Arts, Writing Test
CETG 0410 Prepare for the GED Math Test
CETG 0211 SAT/ACT Preparation – Part 1
CETG 0212 SAT/ACT Preparation – Part 2
CETG 0265 GMAT Preparation
CETG 0263 GRE Preparation – Part 1
CETG 0264 GRE Preparation – Part 2
CETG 0311 LSAT Preparation – Part 1
CETG 0312 LSAT Preparation – Part 2

WEB & COMPUTER PROGRAMMING

CETG 0373, 0473Beginning & Intermediate C# Programming
CETG 0486, 0587Introduction Visual Basic 2005 & 2008
CETG 0380 Introduction to Alice 2.0 Programming
CETG 0393 Introduction to Python 2.5 Programming
CETG 0147 Introduction to Perl Programming
CETG 0432 Microsoft Expression Web
CETG 0100 Creating Web Pages
CETG 0151 Designing Effective Websites
CETG 0185 Achieving Top Search Engine Positions
CETG 0164, 0464Beginning & Intermediate Java Programming
CETG 0372, 0472Beginning & Intermediate CSS and XHTML
CETG 0364 Introduction to ASP.NET
CETG 0446, 0346Beginning & Intermediate PHP and MySQL

ED2GO CERTIFICATE PROGRAMS

Contact: Mykel Severson
(801) 957-5407
mykel.severson@slcc.edu

Salt Lake Community College, in partnership with ed2go (formerly Gatlin Education Services), offers online, open enrollment programs designed to provide the necessary skills to get professional level positions for many in-demand occupations.

Programs are designed by a team of professionals who work to provide an effective web-based learning experience. Instructors/mentors are actively involved in the online learning experience. They respond to any questions or concerns, as well as encourage and motivate success.

Each program includes a set of lessons and evaluations. Grades are a combination of the instructor/mentor's evaluation of student work and computer graded tests. Enjoy the quality and convenience of online learning.
For more information, visit www.ed2go.com/saltlakecc.

LOCATION: All, online
SEMESTERS OFFERED: Open enrollment year round
CREDIT/NON CREDIT: Non-Credit
Classes do not qualify for financial aid. Check with Division of Workforce Services to see if the class qualifies for assistance.

PROGRAM COURSES:

ADMINISTRATIVE PROFESSIONAL

CETG 0820 Administrative Professional with Microsoft Office Specialist 2007 Training (320 Hr)
CETG 0821 Administrative Professional with Microsoft Office 2007 Master (240 Hr)
CETG 0822 Microsoft Office Specialist 2007 (240 Hr)
CETG 0823 Microsoft 2007 Office Master (160 Hr)
CETG 0824 Microsoft Word 2007 (35 Hr)
CETG 0825 Microsoft Excel 2007 (35 Hr)
CETG 0826 Microsoft Outlook 2007 (35 Hr)
CETG 0827 Microsoft PowerPoint 2007 (35 Hr)
CETG 0828 Microsoft Access 2007 (35 Hr)

BUSINESS & MANAGEMENT

CETG 0850 Management Training (360 Hr)
CETG 0851 Project Management with Microsoft Project 2007 (100 Hr)

CETG 0852 Project Management with Microsoft Project 2007 (software not included) (100 Hr)
CETG 0853 Project Management (40 Hr)
CETG 0854 Six Sigma Black Belt (200 Hr)
CETG 0855 Six Sigma Green Belt (100 Hr)
CETG 0856 Lean Mastery (60 Hr)
CETG 0860 Entrepreneurship: Start-up & Business Owner Management (360 Hr)
CETG 0861 Professional Bookkeeping with QuickBooks 2010 (140 Hr)
CETG 0862 Professional Bookkeeping with QuickBooks 2010 (140 Hr)
CETG 0863 Certified Bookkeeper (120 HR)
CETG 0864 Payroll Practice & Management (80 Hr)
CETG 0865 Non-Profit Management (300 HR)
CETG 0866 Grant Writing (300 Hr)

HEALTHCARE & FITNESS

CETG 0800 Administrative Medical Specialist with Medical Billing and Coding + Medical Terminology (360 Hr)
CETG 0801 Administrative Medical Specialist with Medical Billing and Coding (300 Hr)
CETG 0802 Medical Billing and Coding + Medical Terminology (300 Hr)
CETG 0803 Medical Billing & Coding (240 Hr)
CETG 0804 Medical Transcription & Medical Terminology (300 Hr)
CETG 0805 Medical Transcription (240 Hr)
CETG 0806 Medical Terminology (60 Hr)
CETG 0807 ICD-10 Medical Coding: Preparation & Instruction for Implementation (200 Hr)
CETG 0808 Advanced Coding for the Physician's Office (80 Hr)
CETG 0809 Advanced Hospital Coding & CSS Preparation (80 Hr)
CETG 0810 Administrative Dental Assistant (150 Hr)

IT & SOFTWARE DEVELOPMENT

CETG 0830 CompTIA A+ Certification Training (150 Hr)
CETG 0831 CompTIA Network+ Certification Training (80 Hr)
CETG 0832 CompTIA Security+ Certification Training (80 Hr)
CETG 0833 Microsoft Certified System Engineer 2003 (MCSE) (700 Hr)
CETG 0834 Microsoft Certified Technology Specialist: SQL Server 2005 (MCTS) (480 Hr)
CETG 0835 Microsoft Certified System Administrator 2003 (MCSA) (440 Hr)
CETG 0836 Microsoft Certified System Administrator Plus 2003 (MCSA+) (340 Hr)
CETG 0837 Microsoft Certified IT Professional: Server Administrator (MC-ITP) (240 Hr)
CETG 0838 Microsoft Certified Desktop Support Technician (MCDST) (200 Hr)

MEDIA & DESIGN

CETG 0840 Web Design Certificate (420 Hr)
CETG 0841 Web Database Developer (260 Hr)
CETG 0842 Webmaster (150 Hr)
CETG 0843 Microsoft Web Developer (200 Hr)
CETG 0844 Video Game Design & Development (500 HR)
CETG 0845 3ds Max (300 HR)
CETG 0846 Multimedia Arts Certificate (420)
CETG 0847 Graphic Design with Photoshop CS4 (200 HR)
CETG 0848 Graphic Design with Photoshop CS4 (200 HR)

ENCORE INSTITUTE

Contact: Stephanie Powers
(801) 957-5303
stephanie.powers@slcc.edu

Today's baby boomers and seniors aren't slowing down. Salt Lake Community College is responding to the needs of this unique population by launching the Encore Institute which supports mature adults who want to reinvent their careers, start businesses, enrich their lives and give back to the community.

LOCATION: Various
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Non-Credit

PROGRAM COURSES:

Visit www.slcccontinuinged/encore for current class and workshop listings.

EVENT AND MEETING PLANNER CERTIFICATE

Contact: Jennifer Pollock
(801) 957-5351
jennifer.pollock@slcc.edu

The event and meeting planning industry is an expanding profession with vast opportunities for growth. It's perfect for people who like organizing events or planning socials with the ability to network.

FORMAT: Online
SEMESTERS OFFERED: ALL
CREDIT/NON-CREDIT: Credit
(Credit programs require application to SLCC)

PROGRAM COURSES:

EVNT 1010 Intro to Event & Meeting Planning (2 Cr)
EVNT 1100 Site Selection/Negotiation/Law (1 Cr)
EVNT 1200 Transportation & Housing (1 Cr)
EVNT 1300 Event Registration (1 Cr)
EVNT 1400 Food & Beverage Mgmt (1 Cr)
EVNT 1500 Hotel Sales & Operations (1 Cr)
EVNT 1600 Special Events (3 Cr)
EVNT 1700 Non-Profit Event Planning (1 Cr)
EVNT 1800 Budgeting for Event Planners (1 Cr)

GENEALOGY

Contact: Kathy Jonsson
(801) 957-5383
kathy.jonsson@slcc.edu

The genealogy program at Salt Lake Community College teaches solid research and organizational skills. This program introduces students to the many possible career paths available in genealogy. Learn the proper use of genealogical records and sources in practical, hands-on research experiences.

FORMAT: Online and workshop
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Both
(Credit programs require application to SLCC)

PROGRAM COURSES (CREDIT):

GEN 1000 Computer and Internet Tools for Genealogy (3 Cr)
GEN 1010 Intro to Genealogical Research (3 Cr)
GEN 1011 U.S. Record Groups (3 Cr)
GEN 1012 British Isles Record Groups (3 Cr)
GEN 1016 Tracing Immigrant Origins (3 Cr)
GEN 1110 Genealogy Writing and Publishing(3 Cr)
GEN 1150 Preparing for U.S. Credentials (3 Cr)
GEN 1151 Preparing for International Credentials (3 Cr)

PROGRAM COURSES (NON-CREDIT):

CEGN 0001 Computer & Internet Tools for Genealogy
CEGN 0010 Intro to Genealogical Research
CEGN 0011 U.S. Record Groups
CEGN 0012 British Isles Record Groups
CEGN 0016 Tracing Immigrant Origins
CEGN 0110 Genealogy Writing and Publishing
CEGN 0150 Preparing for U.S. Credentials
CEGN 0151 Preparing for International Credentials

WORKSHOPS (NON-CREDIT):

CEGN 0021 Compare Genealogy Software Programs (4 Hr)
CEGN 0022 Making New FamilySearch Easier (4 Hr)
CEGN 0023 New FamilySearch Affiliate Program (4 Hr)
CEGN 0024 Social Networking for Genealogists (2 Hr)
CEGN 0025 Genealogy Resources on the Internet (2 Hr)

GREEN ACADEMY

The Green Academy at Salt Lake Community College offers courses in sustainability, green design and construction, energy efficiency and energy management. Get professional training in environmental health and safety, study sustainability across disciplines or go green with one of our non-credit workshops. Check individual listings for details.

Electric Sector
Energy Management AAS Degree
Green Retrofitting
Solar Photovoltaic – Basic and Advanced
Compressed Natural Gas Conversion Training
CNG Cylinder Inspection Training
Sustainability Certificate

LOCATION: Various
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Both
(Credit programs require application to SLCC)

COMPRESSED NATURAL GAS (CNG)

Contact: Jan Harris
(801) 957-5373
jan.harris@slcc.edu

The number of vehicles powered by natural gas is growing every year and so is the demand for CNG technicians trained to install, maintain and inspect alternative fuel vehicles. Individuals as well as seasoned automotive technicians learn about light-duty natural gas vehicle conversion principles and CNG cylinder tank inspection.

LOCATION: Miller Campus
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Non-Credit

PROGRAM COURSES:

CESU 0100 Compressed Natural Gas Conversion Training
CESU 0200 Compressed Natural Gas Cylinder Inspection Training

ELECTRIC POWER TECHNOLOGY

Contact: Sean Cramer
(801) 957-5388
sean.cramer@slcc.edu

The Electric Power Technology program provides students with core knowledge and fundamental skills necessary for entry-level positions in the electric industry. Traditionally, craft or technician positions of this nature require employees to complete an apprentice program. Because apprenticeships are designed to meet the training needs of employees currently working in the industry, the EPT certificate program was created to meet the preparatory needs of those desiring employment in this critical industry. Students who successfully complete this program will be equipped with superior entry-level skills for a variety of electric sector positions.

LOCATION: Miller Campus
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Non-Credit

PROGRAM COURSES:

CESG 0150 Energy Essentials
CESG 0175 Math for Energy Industry
CESG 0411 Electrical Distribution Systems
CESG 0450 Transformer Basics
CESG 0460 Electricity for the Power Industry
CESG 0560 Pole Climbing, Ropes & Rigging
CESG 0600 Blueprint Reading
CESG 0610 Digital Electronics
EESG 0620 Electromechanical Systems
CESG 0630 Underground Distribution Systems
CESG 0910 Computer Essentials
CESG 0950 Workforce Safety/OSHA 3095

ENERGY MANAGEMENT AAS

Contact: Elisha Suazo
(801) 957-5422
elisha.suazo@slcc.edu

SEE ALSO **ENERGY MANAGEMENT P. 152**

A cutting-edge training in energy management is available through Salt Lake Community College in partnership with Rocky Mountain Power and Questar Gas. Students start and finish the 18-month program as a cohort.

Energy management training is a collaborative effort between the School of Professional and Economic Development and the School of Science, Mathematics and Engineering.

Training is designed to accommodate a working professional. Classes are scheduled in 10-week block sessions in the evenings. Classes are held three nights a week from 5:30 – 10 p.m. at the Larry H. Miller Campus, 9750 South 300 West in Sandy.

ACCREDITATION

Salt Lake Community College is accredited by the Northwest Commission on Colleges and Universities (NWCCU).

TRAINING PREREQUISITES

Prospective students must meet the following prerequisites prior to enrolling in the first block of classes:

- MATH 1010 with a C or better or appriopriate Accuplacer score.
- ENGL 1010 with a C or better, or appropriate Accuplacer score.
- Basic proficiency in MS Excel

Training requires 18 months to complete. It is held in seven 10-week blocks.

LOCATION: Miller Campus
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Credit
(Credit programs require application to SLCC)

PROGRAM COURSES:

ARCH 1100 Intro to Arch. Drawing (3 Cr)
CIS 1019 Spreadsheet Applications (2 Cr)
Prereq: Basic proficiency in MS Excel
ENGL 2100 Technical Writing (3 Cr)
Prereq: ENGL 1010 with a C or better, or appropriate placement score.
PHYS 1010 Elementary Physics (3 Cr)
EGMT 1010 Intro to Energy Management (2 Cr)
EGMT 1110 Res/Light Comm Energy Analysis (2 Cr)
Prereq: EGMT 1010
EGMT 1120 Commercial Energy Analysis (3 Cr)
Prereq: EGMT 1210, MATH 1010
EGMT 1130 Building Energy Simulations (3 Cr)
Prereq: EGMT 1120
EGMT 1210 Air Conditioning Sys Analysis (2 Cr)
Prereq: EGMT 1110, MATH, 1010, PHYS 1010
EGMT 1220 Commercial A/C Sys Analysis (2 Cr)
Prereq: EGMT 1210
EGMT 1230 Energy Control Strategies (3 Cr)
Prereq: EGMT 1220, EGMT 1240
EGMT 1240 Energy Efficiency Methods (2 Cr)
Prereq: PHYS 1010, MATH 1010, EGMT 1110
EGMT 1310 Lighting Fundamentals (2 Cr)
Prereq: EGMT 1110, MATH 1010, PHYS 1010
EGMT 1320 Lighting Applications (2 Cr)
Prereq: EGMT 1310
EGMT 1410 Energy Investment Analysis (2 Cr)
Prereq: EGMT 1110
EGMT 1420 Energy Accounting (2 Cr)
Prereq: CIS 1019
EGMT 1540 Alternative Energy Technologies (2 Cr)
EGMT 2060 Energy Mgmt. Seminar I (1 Cr)
EGMT 2065 Energy Mgmt Seminar II (1 Cr)
EGMT 2800 Energy Management Internship (4 Cr)
Prereq: Completion of all major course requirements.
ACCT 1110 Financial Accounting I (3 Cr)
ARCH 2990 Green Building (3 Cr)
BCCM 1010 Building Construction Overview (3 Cr)
COMM 1140 Environmental Communication (3 Cr)
ECON 2250 Environmental Ecomnomics (3 Cr)
EGMT 1600 Intro to Water Resources (2 Cr)
EGMT 1700 Basica Electrical Teory (3 Cr)
GEOG 1000 Earth's Surface Environment (PS) (3 Cr)
GEOG 1400 Human Geography (ID) (3 Cr)
GEOG 1800 Geospatial Technology (3 Cr)
GEOG 2200 Urban Environmental Issues (3 Cr)
EGMT 1710 Basic Photovoltaic Systems (2 Cr)
Prereq: Admission to Energy Management program.
EGMT 1720 Adv. Photovoltaic Systems (3 Cr)
Prereq: EGMT 1710 or instructor approval

ENERGY ACCOUNTING CERTIFICATE

Contact: Elisha Suazo
(801) 957-5422
elisha.suazo@slcc.edu

Department Website: http://www.slcccontinuinged.com/

Salt Lake Community College (SLCC) now offers a Certificate of Proficiency in Energy Accounting through the Division of Continuing Education.

This opportunity is ideal for students with prior industry experience who would like to advance in their career, learn a new skill, or explore the growing field of Energy Management.

Students will be taught about energy efficiency measurements, energy units, utility rate schedules, energy data, load factor, life cycle cost, and time value of money.

Students participate in the classroom and are taught by highly qualified instructors who work in the industry.

PROGRAM COURSES:

CIS 1019 Spreadsheet Applications (2 Cr)
Prereq: Basic proficiency in MS Excel
EGMT 1010 Intro to Energy Management (2 Cr)
EGMT 1410 Energy Investment Analysis (2 Cr)
Prereq: EGMT 1110
EGMT 1420 Energy Accounting (2 Cr)
Prereq: CIS 1019

GREEN HVAC CERTIFICATE

Contact: Elisha Suazo
(801) 957-5422
elisha.suazo@slcc.edu

Salt Lake Community College (SLCC) now offers a Certificate of Proficiency in Green HVAC through the Division of Continuing Education.

This opportunity is ideal for students with prior industry experience who would like to advance in their career, learn a new skill, or explore the growing field of Energy Management.

Understanding heating and cooling systems, building envelop, types of audit equipment, and heat loss calculations are critical components of energy management in both commercial and residential structures. Students will be taught about HVAC system types, the refrigeration cycle, air duct design, proper insulation, psychrometrics and energy conserving retrofit options.

Students participate in the classroom and will have hands-on experience outside of the classroom with guidance from highly qualified instructors who work in the industry.

PROGRAM COURSES:

EGMT 1010 Intro to Energy Management (2 Cr)
EGMT 1110 Res/Light Comm Energy Analysis (2 Cr)
EGMT 1210 Air Conditioning Sys Analysis (2 Cr)
Prereq: EGMT 1110, MATH, 1010, PHYS 1010
EGMT 1220 Commercial A/C Sys Analysis (2 Cr)
Prereq: EGMT 1210
EGMT 1230 Energy Control Strategies (3 Cr)
Prereq: EGMT 1220, EGMT 1240

GREEN LIGHTING CERTIFICATE

Contact: Elisha Suazo
(801) 957-5422
elisha.suazo@slcc.edu

Salt Lake Community College (SLCC) now offes a Certificate of Proficiency in Green Lighting through the Division of Continuing Education.

This opportunity is ideal for students with prior industry experience who would like to advance in their career, learn a new skill, or explore the growing field of Energy Management.

Understanding quantity and quality of light, light sources, controls, luminaries, and lighting power density are critical components of energy management in both commercial and residential structures. Students will be taught the fundamentals of lighting, interactions on other building components, retrofit opportunities, cost savings analysis, illuminance calculations, codes and regulations, and how to conduct a lighting audit.

Students participate in the classroom and will have hands-on experience outside of the classroom with guidance from highly qualified instructors who work in the industry.

PROGRAM COURSES:

EGMT 1010 Intro to Energy Management (2 Cr)
EGMT 1310 Lighting Fundamentals (2 Cr)
Prereq: EGMT 1110, MATH 1010, PHYS 1010
EGMT 1320 Lighting Applications (2 Cr)
Prereq: EGMT 1310

GREEN RETROFITTING

Contact: Judy Fisher
(801) 957-5252
judy.fisher@slcc.edu

Growing demand for energy efficiency is creating green jobs in Utah. The Green Academy of Salt Lake Community College is introducing a new course geared toward this emerging workforce.

In today's economy, new home construction requests are down. Many homeowners are opting to upgrade their homes instead of selling and purchasing more expensive homes. Incorporating green remodeling/retrofitting of existing residential property with new energy efficiency materials in business puts students at the front of this field.

LOCATION: Miller Campus
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Non-Credit
(Credit programs require application to SLCC)

PROGRAM COURSES:

CEGA 0100 Green Retrofitting

OSHA & HAZWOPER

Contact: Judy Fisher
(801) 957-5252
judy.fisher@slcc.edu

SLCC is a member of the Mountain West OSHA Training Center consortium, together with the U of U Rocky Mountain Center for Occupational and Environmental Health and Uintah Basin Applied Technology College. Register for OSHA and HAZWOPER courses through the U of U. Call (801) 581-4055 or visit medicine.utah.edu/rmcoeh/ContEdProg/2011courseschedule.htm.

LOCATION: Meadowbrook Campus
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Non-Credit

SOLAR PHOTOVOLTAIC INSTALLATION

Contact: Judy Fisher
(801) 957-5252
judy.fisher@slcc.edu

SLCC has made a commitment to prepare Utah's workforce for a bright future in renewable energy technologies and energy conservation. The two Solar Photovoltaic (PV) systems courses offer training geared toward this emerging and exciting field.

SLCC is now an authorized Testing Center for both the NABCEP Entry Level exam and NABCEP PV Installer Certification exam.

LOCATION: Meadowbrook Campus
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Non-Credit

PROGRAM COURSES:

CEHZ 0400 Basic Electrical Theory for Renewable Energy
CEHZ 0200 Basic Photovoltaic Systems Installation (2 Cr)
Prereq: CEHZ 0400 or instructor approval
CEHZ 0300 Adv. Photovoltaic Systems (3 Cr)
Prereq: CEHZ 0200 or instructor approval

SUSTAINABILITY CERTIFICATE

Contact: Adam Dastrup
(801) 957-4880
adam.dastrup@slcc.edu

The College is aware of the growing interest in and need for sustainability practices in homes and throughout the community. Sustainability finds solutions through innovative approaches and practices environmental stewardship.

This certificate is for both AAS and AS/AA students pursuing other major programs, who want to be well versed in sustainabity issues. Students who are working and want to augment their skills by getting an overview of sustainability issues and practices will also benefit from this certificate program.

LOCATION: Various
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Credit
(Credit programs require application to SLCC)

CORE REQUIRED COURSES:

To complete the Sustainability Certificate, students are required to take the following core courses for a total of 12 credit hours:

ECON 2250 Environmental Economics (3 Cr)
ENVT 1010 Race to Save the Planet (3 Cr)
ENVT 2200 Laws/Policy for Sustainability (3 Cr)
Prereq: ENVT 1010.
PHIL 2300 Intro to Environmental Ethics (3 Cr)

SCIENCE FOCUS

A minimum of 12 credit hours are required from the following courses:

BIOL 1070 Marine Biology/1075 lab (4 Cr)
Prereq: Concurrent with BIOL 1075.
BIOL 1120 Conservation Biology (3 Cr)
BIOL 2220 Ecology/2225 lab (4 Cr)
Prereq: BIOL 1330 or 1350 (C or better), BIOL 2225.
CHEM 1210 General Chemistry I (4 Cr)
Prereq: MATH 1050 (C or better), concurrent with CHEM 1215.
GEO 1060 Environmental (3 Cr)
Prereq: Concurrent with GEO 1065.
GEO 1065 Environmental Lab (1 Cr)
Prereq: Concurrent with GEO 1060.
GEOG 1000 Earth's Surface Environments (3 Cr)
GEOG 1400 Human Geography (3 Cr)
GEOG 1700 Natural Disasters (3 Cr)
GEOG 1800 Geospatial Technology (3 Cr)
GEOG 2200 Urban Environmental Issues (3 Cr)
MET 1010 Introduction to Meteorology (3 Cr)

HUMANITIES FOCUS

A minimum of 12 credit hours are required from the following courses:

COMM 1140 Environmental Communication (3 Cr)
GEOG 1400 Human Geography (3 Cr)
GEOG 2200 Urban Environmental Issues (3 Cr)
PSY 2400 Eco-Psychology (3 Cr)
Prereq: PSY 1010.

TECHNOLOGY FOCUS

A minimum of 12 credit hours are required from the following courses:

ARCH 2990 Special Topics: Sustainability and Green Building (Variable)
Prereq: Instructor approval.
AUTO 1299 Special Topics: Auto Training in Alternative Fuels (Variable)
CHFA 1600 Herb Horticulture (1 Cr)
CS 1030 Connected Computing (3 Cr)
GEOG 1800 Spatial Technology & Analysis (3 Cr)
GEOG 1820 Applied GIS (3 Cr)
Prereq: GEOG/GIS 1800 or instructor approval.
GEOG 2920 Advanced GIS (3 Cr)
Prereq: GEOG 1900 or instructor approval.

HEALTH & WELLNESS

CREDIT

Contact: Off Campus Classes
Bert Hunsaker
(801) 957-5318
bert.hunsaker@slcc.edu

On Campus Classes
Paula Nielson-Williams
(801) 957-5140
paula.nielson-williams@slcc.edu

Focus on health with a Lifelong Wellness General Education Credit at SLCC.

Continuing Education works in partnership with Health and Lifetime Activities to bring new and proven classes to help students get fit.

Most of the health and wellness classes are offered on the various campuses. Some of the health and lifetime activities are offered in partnership with sport and recreation centers in the greater Salt Lake area.

LOCATION: Varies
SEMESTERS OFFERED: Varies
CREDIT/NON-CREDIT: Credit

PROGRAM COURSES:

ON CAMPUS CLASSES

HLAC 1013 Body Strength and Tone (1 Cr)
HLAC 1035 Zumba (1 Cr)
HLAC 1040 Basic Belly Dancing (1 Cr)
HLAC 1052 Bootcamp
HLAC 1055 Pilates I (1 Cr)
HLAC 1056 Pilates II (1 Cr)
HLAC 1105 Badminton (1 Cr.)
HLAC 1213 Sand Volleyball (1 Cr)
HLAC 1413 Qi Gong
HLAC 1440 Aikido (1 Cr)
HLAC 1442 Brazilian Capoeira (1 Cr)
HLAC 1535 Backpacking
HLTH 1240 Theory/Practice of Meditation (2 Cr)
HLTH 1242 Laughter Yoga

OFF CAMPUS CLASSES

LOCATION: All Star Sandy Lanes
10535 South State Street
Salt Lake City, UT 84070

SEMESTERS OFFERED: All
PROGRAM COURSES:
HLAC 1145 Bowling I (1 Cr)
HLAC 1146 Bowling II (1 Cr)
Prereq: HLAC 1145 or instructor approval.

LOCATION: Alta Canyon Sports Center
9565 South Highland Drive
Sandy, UT 84092

SEMESTERS OFFERED: All
PROGRAM COURSES:
HLAC 1013 Body Strength and Tone (1 Cr)
HLAC 1015 Aerobics II/Spinning (1 Cr)
HLAC 1020 Aerobics I/Step (1 Cr)
HLAC 1030 Aerobics II/Kickboxing (1 Cr)
HLAC 1057 Yoga I (1 Cr)
HLAC 1058 Yoga II (1 Cr)
Prereq: HLAC 1057 or instructor's approval.
HLAC 1073 Aerobic Circuit (1 Cr)
HLAC 1110 Racquetball I (1 Cr)
HLAC 1035 Zumba (1 Cr)
HLAC 1046 Jog/Walk (LW) (1 Cr)

LOCATION: Avenues Yoga
68 K Street
Salt Lake City, UT 84103
SEMESTERS OFFERED: All
PROGRAM COURSES:
HLAC 1057 Yoga I (1 Cr)

LOCATION: Big City Bowl
7980 South State Street
Salt Lake City, UT 84047
SEMESTERS OFFERED: All
PROGRAM COURSES:
HLAC 1145 Bowling I (1 Cr)

LOCATION: Neptune Divers
2445 South 900 East
Salt Lake City, UT 84106

SEMESTERS OFFERED: All
PROGRAM COURSES:
HLAC 1350 Scuba I (1 Cr)

LOCATION: CrossFit NRG
2451S 600W Suite 200
Salt Lake City, UT 84115

SEMESTERS OFFERED: All
PROGRAM COURSES:
HLAC 1014 CrossFit (1 Cr)

LOCATION: Front Climbing Club
1450 South 400 West
Salt Lake City, UT 84106

SEMESTERS OFFERED: All
PROGRAM COURSES:
HLAC 1527 Rock Climbing I (1 Cr)

LOCATION: Glendale Golf Course
1610 West 2100 South
Salt Lake City, UT 84119

SEMESTERS OFFERED: All
PROGRAM COURSES:
HLAC 1130 Golf I (1 Cr)
HLAC 1131 Golf II (1 Cr)
Prereq: HLAC 1130 or instructor approval.

LOCATION: Olympus Hills Bowl
4015 South Wasatch Blvd.
Salt Lake City, UT 84124

SEMESTERS OFFERED: All
PROGRAM COURSES:
HLAC 1145 Bowling I (1 Cr)
HLAC 1146 Bowling II (1 Cr)
Prereq: HLAC 1145 or instructor approval.

LOCATION: Olympus Hills Park
4130 South (Leo Way) 3125 East
Salt Lake City, UT 84121

SEMESTERS OFFERED: All
PROGRAM COURSES:
HLAC 1046 Jog/Walk (1 Cr)

LOCATION: The Park Center (in Murray City Park)
202 East Murray Park Avenue
Murray, UT 84107

PROGRAM COURSES:
HLAC 1051 TRX

LOCATION: Rockcreation
2074 East 3900 South
Salt Lake City, UT 84124

SEMESTERS OFFERED: All

PROGRAM COURSES:
HLAC 1527 Rock Climbing I (1 Cr)
HLAC 1528 Rock Climbing II (1 Cr)
Prereq: HLAC 1527 or instructor approval.

NON-CREDIT

Contact: Paula Nielson-Williams
(801) 957-5140
paula.nielson-williams@slcc.edu

Salt Lake Community College offers short non-credit workshops and classes to increase health and wellness. Offered throughout the year at different locations.

LOCATION: Taylorsville Redwood Campus
SEMESTERS OFFERED: Spring and Fall
CREDIT/NON-CREDIT: Credit and Non-Credit
(Credit Programs require application to SLCC)

PROGRAM COURSES:
CEHW 0400 Loving Your Body (4 Hr)
CEHW 0500 Fact & Fiction of Exercise (2 Hr)
CEHW 0600 Operation Wellness (8 Hr)
CEHW 0650 The Acid Alkaline Connection
CEHW 0750 Skin Care Secrets to Aging Well
CEHW 1040 Basic Belly Dancing
CEHW 1242 Laughter Yoga
CEHW 0800 Just Say: No to Fad Diets
CEHW 0200 Training for Your first Marathon
CEHW 0225 Training for Your First Triathlon

DOULA & CHILDBIRTH EDUCATION

Contact: Paula Nielson-Williams
(801) 957-5140
paula.nielson-williams@slcc.edu

Learn about labor and delivery, childbirth education or become a Doula or childbirth educator. SLCC can help. Find out what to expect in pregnancy, pre and post partum, delivery, how to help and how to advocate for the mother.

The class covers the educational requirements for DONA international to be a certified. It can also cover the educational portion for certification as a childbirth educator (please see instructor for details).

LOCATION: Taylorsville Redwood and Jordan campuses
SEMESTERS OFFERED: Fall, Spring
CREDIT/NON-CREDIT: Credit and Non-Credit
(Credit programs require application to SLCC)

PROGRAM COURSES:
HLTH 1300 Doula & Childbirth Preparation (3 Cr)

GROUP FITNESS INSTRUCTOR TRAINING

Contact: Paula Nielson-Williams
(801) 957-5140
paula.nielson-williams@slcc.edu

Learn skills and builds the knowledge base to work as a group fitness instructor. These courses help prepare for a nationally recognized certification as fitness professional by covering the educational components of teaching a safe and effective group fitness class. This program also prepares for work in the group fitness field by teaching practical skills including, but not limited to, classroom management, cueing, safety, modifications, music speed, choreography, and exposure to a wide variety of group fitness classes and fitness modalities.

LOCATION: Taylorsville Redwood Campus
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Credit and Non-Credit
(Credit programs require application to SLCC)

PROGRAM COURSES:
HLTH 1325 Intro to Group Fitness Instructor (2 Cr)
HLTH 1326 Intro to Group Fitness Lab (3 Cr)
CEHW 1325 Intro to Group Fitness Instructor
CEHW 1326 Intro to Group Fitness Lab

THERAPEUTIC RECREATION TECHNICIAN

Contact: Paula Nielson-Williams
(801) 957-5140
paula.nielson-williams@slcc.edu

This program consists of 10 nine-hour sessions. It is an introduction to the field of therapeutic recreation and provides a foundation for students to obtain their Therapeutic Recreation Technician (TRT) license. Explore various approaches to programming for populations who are geriatric or who have substance abuse, psychiatric or developmental disabilities. The course prepares students to take the state Therapeutic Recreational Therapist Exam that is required to work in the field.

LOCATION: Taylorsville Redwood Campus
SEMESTERS OFFERED: Spring, Fall
CREDIT/NON-CREDIT: Credit and Non-Credit
(Credit Programs require application to SLCC)

PROGRAM COURSES:
HSS 1500 Therapeutic Recreation Tech (6 Cr)
CEHSS 1500 Therapeutic Recreation Tech

YOGA INSTRUCTOR TRAINING

Contact: Paula Nielson-Williams
(801) 957-5140
paula.nielson-williams@slcc.edu

This series of courses prepare students to become a Yoga instructor. The courses follow the Yoga Alliance requirements and SLCC has been approved as an official Yoga Alliance School at the 200-hour level. During the course, students learn various asanas, yoga philosophies, meditation, pranayama, yoga anatomy and physiology, chakras and nadis.

LOCATION: Taylorsville Redwood Campus
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Credit and Non-Credit
(Credit programs require application to SLCC)

PROGRAM PREREQUISITES:

HLAC 1057 Yoga I (1 Cr)
OR
HLAC 1058 Yoga II (1 Cr)
Prereq: HLAC 1057 or instructor's approval.
OR
A personal yoga practice.

PROGRAM COURSES:

HLTH 1350 Intro to Yoga Teacher Training (3 Cr)
Prereq: HLAC 1057 or HLAC 1058 or personal practice.
HLTH 1355 Yoga Teacher Training II (2 Cr)
HLTH 1360 Yoga Teacher Training III (3 Cr)
Prereq: HLTH 1350 or with HLTH 1350.
HLTH 1365 Yoga Teacher Training IV (3 Cr)
Prereq: HLTH 1350 or with HLTH 1350.
HLTH 1370 Yoga Teacher Practicum (2 Cr)
Prereq: HLTH 1350, HLTH 1355, HLTH 1360, HLTH 1360, HLTH 1365 OR instructor approval.

HEALTH INFORMATION TECHNOLOGY CERTIFICATE

Contact:
Carol Smedley
(801) 957-5157
carol.smedley@slcc.edu

Health information technology has an impact on all health care as medical practices, clinicians and hospitals transition from paper-based patient records to Electronic Health Records (EHR). A highly skilled workforce is critical in this transition. SLCC developed two non-credit Health IT certificates to learn these skills in order to help clinicians transition to EHRs.

Both the Health Information Technology Certificate and the Health Information Technical Support Certificate are well suited for:

- Working health care or IT professionals who want to expand their skills.
- Students and/or graduates of IT or health care related programs who want to manage EHR systems.
- Healthcare or IT professionals who want to help in the transition to EHR systems.

Instruction includes:

- Three to four months non-credit certificate program
- Current, relevant instruction by industry experts
- Flexible, convenient, fully online training
- Self-paced, with as-needed instructor support

The Health Information Technology Certificate prepares applicants to document workflow and information management for medical practices and to design information flows to improve efficiency, quality and reporting options.

LOCATION: Online
SEMESTERS OFFERED: Instruction begins monthly
CREDIT/NON CREDIT: Non-Credit

PROGRAM COURSES:

Specific components depend on a student's current experience in a health care or IT field. Components are opened commensurate with personal experience and goals.

The Culture of Health Care
Terminology in Health Care and Public Health Settings
Introduction to Information and Computer Science
Health Management Information Systems
Fundamentals of Health Workflow Process
Analysis & Redesign
Quality Improvement
Usability & Human Factors
Industry-led Discussions
Internship

HEALTH INFORMATION TECHNICAL SUPPORT CERTIFICATE

Contact: Carol Smedley
(801) 957-5157
carol.smedley@slcc.edu

The Health Information Technical Support Certificate requires a strong IT background for workers to provide the ongoing technical support needed in clinical offices and public health settings. Prepare to patch and upgrade software and provide support for users with questions or problems. This certificate requires access to a PC rather than a Mac.

LOCATION: Online
SEMESTERS OFFERED: Instruction begins monthly
CREDIT/NON CREDIT: Non-Credit

PROGRAM COURSES:

Specific components depend on a your current experience in a health care or IT field. Components are opened commensurate with personal experience and goals.
Introduction to Information and Computer Science
Working with Health IT Systems
Installation & Maintenance of Health IT Systems
Networking & Health Information Exchange
Configuring EHRs
Special Topics Course on Vendor-Specific Systems
Professionalism/Customer Service in the Health Environment
Industry-led Discussions
Internship

LANGUAGE

Contact: Talisha Thomas
(801) 957-5305
talisha.thomas@slcc.edu

Have you ever wondered how to read the dots on an elevator or wanted to learn an island language? Now you can! Salt Lake Community College offers both Samoan and Braille classes. Learn about these two exciting languages and how they came to be.

LOCATION: Varies
FORMAT: Lecture and workshop
SEMESTERS OFFERED: All
CREDIT/NON CREDIT: Both
(Credit Programs require application to SLCC)

PROGRAM COURSES:

CEEI 0200 Uncontracted Braille A to Z
SAM 1010 Beginning Samoan (5 Cr.)
SAM 1020 Beginning Samoan II (5 Cr.)

LIBRARY & INFORMATION SCIENCE

Contact: Kathy Jonsson
(801) 957-5383
kathy.jonsson@slcc.edu

Library and information science professionals must meet the challenges of a constantly changing information environment. They organize and retrieve information using the latest technologies. Professionals work in diverse settings such as corporations, law firms, cultural organizations, financial institutions, schools and public libraries. Take advantage of the expanding information sector, including internet applications, training and customer support. After completing the program, students have a solid foundation to start or advance a career in library and information science.

LOCATION: Online
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Both
(Credit programs require application to SLCC)

PROGRAM COURSES (CREDIT):

LIS 1010 Intro to Library Services (3 Cr)
LIS 1200 Public and Info (3 Cr)
LIS 1500 Library Technical Services (3 Cr)
LIS 2021 Information Sources & Services (3 Cr)
LIS 2030 Humanities & Social Science Sources & Structures (3 Cr)

PROGRAM COURSES (NON-CREDIT):

CELS 0010 Intro to Library Services
CELS 0020 Public and Info
CELS 0050 Library Technical Services
CELS 0221 Information Sources & Services
CELS 0230 Humanities & Social Science Sources & Structures

COMPETITIVE INTELLIGENCE

Contact: Kathy Jonsson
(801) 957-5383
kathy.jonsson@slcc.edu

Competitive intelligence is the process of gathering, analyzing and distributing information to enhance strategic planning in the marketplace. Learn how to use metadata and search engines to drive customers to a website, methods to aggregate and tag electronic information, utilize knowledgebases, work with predictive databases and map business information. The utilization of competitive intelligence makes organizations more effective in planning and marketing their products and services.

LOCATION: Varies
FORMAT: Lecture
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Non-Credit

PROGRAM COURSES:

CEDM 0200 Competitive Intelligence (6 Hr)

KNOWLEDGE MANAGEMENT

Contact: Kathy Jonsson
(801) 957-5383
kathy.jonsson@slcc.edu

Knowledge management helps businesses and individuals access and organize electronic information. Learn how to use the Information Literacy Cycle (the process by which information is accessed, organized, evaluated and applied) to meet information needs. Learn basic, intermediate and advanced web searching techniques. Learn how to use the Technology Literacy Cycle (the technical processes by which we access electronic information) and the Media Literacy Cycle (the various platforms by which information is distributed) to be better able to control the information universe.

LOCATION: Varies
FORMAT: Lecture
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Non-Credit

PROGRAM WORKSHOPS:

CEDM 0210 Knowledge Management (6 Hr)

NOTARY PUBLIC TRAINING

Contact: Mykel Severson
(801) 957-5407
mykel.severson@slcc.edu

LOCATION: Miller Campus, online
SEMESTERS OFFERED: All, every month
CREDIT/NON-CREDIT: Non-Credit

PROGRAM COURSES:

CEMS 0065 Utah Notary Training Live Workshop (3.5 Hr)

PARALEGAL DEGREE (AAS)

Contact: Jessica Guiver
(801) 957-5150
jessica.guiver@slcc.edu

SEE ALSO **PARLEGAL STUDIES P. 214**

A paralegal, also known as a legal assistant, is a person qualified through education, training and work experience to perform delegated legal work for, and under the supervision of, an attorney or law firm. Paralegals are not licensed to practice law, but do completes tasks traditionally performed by an attorney, with the exceptions of giving legal advice, independently representing clients and any other unauthorized practice of law.
A paralegal studies degree from Salt Lake Community College provides a broad-based education preparing you for employment. The paralegal program is designed for those considering employment as a paralegal or those who want to update existing skills. Many graduates also use the skills obtained in the program to seek employment in non-traditional legal and business related fields.

General requirements and a variety of elective courses allow you choices for students and provide graduates with effective oral and written communication training and good human relations skills. Various courses are taught using group activities.
The paralegal studies degree is a two-year Associate of Applied Science degree. Students qualify by completing 19 hours of general education requirements and 48 hours of program-specific

courses. Thirty-one hours are required coursework and 15 hours are electives Courses are usually taught at the Library Square and the Taylorsville Redwood Road campuses.

LOCATION: Taylorsville Redwood Campus and Library Square Center
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Credit
(Credit programs require application to SLCC)

PROGRAM COURSES:

PLS 1010 Introduction to Law (3 Cr)
PLS 1020 Intro to Civil Litigation (3 Cr)
PLS 1030 Intro to Research & Writing (3 Cr)
Prereq: ENGL 1010.
PLS 1050 Legal Research & Writing II (3 Cr)
Prereq: PLS 1020, PLS 1030.
PLS 1070 Criminal Law & Procedure (3 Cr)
PLS 1080 Contracts (3 Cr)
PLS 1100 Bankruptcy and Collections (3 Cr)
PLS 1110 Wills, Probate and Estates (3 Cr.)
PLS 1120 Paralegal Proc. I (3 Cr)
PLS 1130 Administrative Law (3 Cr)
PLS 1140 Environmental Law (3 Cr)
Prereq: PLS 1010.
PLS 1170 Family Law (3 Cr)
PLS 1180 Evidence (3 Cr)
Prereq: PLS 1070.
PLS 1190 Constitutional Law (3 Cr)
PLS 1300 Torts (3 Cr)
PLS 1530 Real Estate Law (3 Cr)
PLS 2000 Paralegal CO-OP 1-6 (3 Cr)
Prereq: PLS 1050 and faculty approval.
PLS 2010 Computer Essentials Paralegals (4 Cr)
PLS 2050 Legal Research & Writing II (3 Cr)
Prereq: PLS 1050.
PLS 2070 Mediation (3 Cr)
Prereq: Variable.
PLS 2090 Paralegal Practicum (3 Cr)
Prereq: PLS 1010, 1030, 1050, 1120, 2010.
PLS 2190 Ethics (3 Cr)
Prereq: 12 hours of PLS classes.
PLS 2200 Legal Portfolio (3 Cr)
Prereq: All previous writing courses.
PLS 2250 Securities (3 Cr)
Prereq: PLS 1010.
PLS 2260 Hollywood and the Law (3 Cr)
Prereq: Variable.
PLS 2990 Special Studies (3 Cr)
Prereq: Variable to topic.

PHARMACY TECHNICIAN CERTIFICATE

Contact: Jennifer Pollock
(801) 957-5351
jennifer.pollock@slcc.edu

Prepares technicians to assist pharmacists in packaging and distribution of medication and technical operations in drug distribution, including inventory control, drug delivery and bulk compounding. Provides hands-on experience in aseptic techniques in the preparation of sterile solution and use of dosage forms.

Pre-requisite requirements for admission to the Pharmacy Technician Program:

- Complete SLCC admissions application
- MATH 0920 or 0950 with a C or better OR an Accuplacer placement score of MATH 0990, good for one year
- Completed background check
- Completed pharmacy technician application

Students entering the Pharmacy Technician program will be required to complete a 180 hour externship. Students therefore will be required to submit a background check, drug screen test results, two-step TB results and immunization records to the Program Coordinator. The cost of these requirements is the responsibility of the student.
This program must be completed within one year per policy by the State of Utah Division of Occupational & Professional Licensing (DOPL).

Students are admitted into the program in the spring and fall semesters. Students may enroll in MA 1100 (medical terminology) independently of the other courses.

LOCATION: Jordan Campus
SEMESTERS OFFERED: ALL
CREDIT/NON-CREDIT: Credit
(Credit programs require application to SLCC)

PROGRAM COURSES:

SEMESTER ONE

PHAR 1010 Intro to Pharmacy Practice (2 Cr)
PHAR 1020 Intro to Pharmacology I (2 Cr)
PHAR 1040 Calculations & Law (2 Cr)
MA 1100 Medical Terminology (2 Cr)

SEMESTER TWO

PHAR 1030 Compounding/Sterile Products (2 Cr)
PHAR 1050 Pharmacy Computers (2 Cr)
PHAR 1060 Pharmacology II (2 Cr)
PHAR 1065 Pharmacology III/ Over the Counter Drugs (2 Cr)

SEMESTER THREE

PHAR 1070 Fieldwork Preparation (4 Cr)
PHAR 1075 Pharmacy Adjudication (1 Cr)

PHOTOGRAPHY

Contact: Stephanie Powers
(801) 957-5303
stephanie.powers@slcc.edu

LOCATION: Miller Campus
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Non-Credit

PROGRAM COURSES:

CEEI 0100 Digital SLR - Entry Level
CEEI 0110 Digital SLR — Intermediate
Prereq: CEEI0100 or competency in basic SLR functions.

POOL AND SPA TECHNICIAN

Contact: Mykel Severson
(801) 957-5407
mykel.severson@slcc.edu

Two-day workshop that follows the most up to date required training by the Utah Health Department as well as local and state codes and other governmental requirements. The course is $199.00, which includes the Pool/Spa Operators Handbook, produced and published by the NSPF.

After passing the exam you will receive a certificate, which is good for five years. At that time you will need to re-certify. Recertification is held on the last day of class for $50.00.

Participants also can take the National Exam, which would be an additional fee.

LOCATION: Miller Campus
SEMESTERS OFFERED: Monthly
CREDIT/NON-CREDIT: Non-Credit

PROGRAM COURSES:

CEHZ 0516 Pool and Spa Operator
CEHZ 0517 Pool and Spa Operator Re-Certification

RESERVE OFFICERS TRAINING CORPS (ROTC)

Contact: Bert Hunsaker
(801) 957-5318
bert.hunsaker@slcc.edu

SLCC acts as a conduit to the University of Utah ROTC programs. Students may register for U of U courses through SLCC and take them at the U. They receive credit for the classes at SLCC. Both the Army (MLS) and Air Force (AERO) have four-year programs at the U. Students register for the first two years through the College, then transfer credits to the University of Utah.

LOCATION: University of Utah
SEMESTERS OFFERED: Varies
CREDIT/NON-CREDIT: Credit
(Credit programs require application to SLCC)

TRANSITION TO TEACHING
(ALTERNATIVE ROUTES TO LICENSURE)

Contact: Ronald Stanfield, Ed.D.
(801) 957-5423
ron.stanfield@slcc.edu

UTAH STATE OFFICE OF EDUCATION LICENSURE PROGRAMS

The Utah State Office of Education (USOE) and SLCC offer several paths to a Utah Professional Educator License. Students must have approval from the USOE and have a professional development plan before they can register for classes in the Transition to Teaching program. *More detailed information is available on the USOE website, at www.schools.utah.gov/cert/APT/ARL/description.htm.*

TRANSITION TO TEACHING

This is a program for individuals with a Bachelor's degree in a subject area taught in Utah schools and who are currently teaching in a public school under contract, but have not completed a teacher preparation program.
For more information, visit www.schools.utah.gov/cert/apt.

CAREER AND TECHNICAL EDUCATION ALTERNATIVE PREPARATION (CTE/AP)

This program is for people with a background in business, trades or industry.
For more information, visit www.schools.utah.gov/cert/apt.

TROOPS TO TEACHERS (TTT)

Eligible military personnel can enroll in this program to begin new careers as public school teachers.
For more information, visit www.schools.utah.gov/cert/APT/ARLdescription.htm.

LOCATION: Varies
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Credit and Non-Credit
(Credit Programs require application to SLCC)

PROGRAM COURSES:

CEAL 0100 Transition to Teaching Orientation Course (1 Cr)
CEAL 0200 Managing Behavioral Problems: Practical Interventions That Work (1 Cr)
EDU 2800 Instruction, Technology, Assessment & Planning (3 Cr)
Prereq: ARL candidates only.
EDU 2010 Introduction to Special Education (3 Cr)
EDU 2820 Creating A Learning Environment (3 Cr)
Prereq: ARL candidates only.
EDU 2840 Literacy Strategies (3 Cr)
Prereq: ARL candidates only.
EDU 2860 Survey of Learning and Teaching Diverse Populations (3 Cr)
Prereq: ARL candidates only.
FHS 2645 Integrated Curriculum K-3 (3 Cr)
Prereq: ARL candidates only.

TRAVEL PLANNER CERTIFICATE

Contact: Jennifer Pollock
(801) 957-5351
jennifer.pollock@slcc.edu

This is a well-rounded career program to prepare students for the travel and tourism industry. It covers travel agencies, cruise lines, transportation companies, resorts and hotels, tourism companies and corporate travel departments. The program consists of 14 Internet-based courses.

LOCATION: Online
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Credit
(Credit programs require application to SLCC)

PROGRAM COURSES:

TRVL 1010 Intro to Hospitality & Travel (2 Cr)
TRVL 1020 Travel Destinations (2 Cr)
TRVL 1030 Travel Reservations (2 Cr)
TRVL 1040 Automated Air Reservations (2 Cr.)
TRVL 1050 Travel Sales and Trends (2 Cr)
TRVL 1060 Air Fares US Domestic (2 Cr)
Prereq: Recommend concurrent with TRVL 1040.
TRVL 1070 ARC Documents (1 Cr)
Prereq: Recommend concurrent with TRVL 1040.
TRVL 1080 Automated Air Fares & Tickets (2 Cr)
Prereq: Recommend concurrent w/TRVL 1040
TRVL 1090 Ground Transportation (2 Cr)
TRVL 2010 Hotels & Lodging (1 Cr)
TRVL 2015 Automated Trvl Accommodations (1 Cr)
Prereq: TRVL 1040, TRVL 1080
TRVL 2020 The Cruise Market (2 Cr)
TRVL 2030 Selling Vacation Packages & Tours (2 Cr)
TRVL 2040 Fares & Tickets International (1 Cr)

YOUTH SUMMER READING SKILLS PROGRAM

Contact: Stephanie Powers
(801) 957-5303
stephanie.powers@slcc.edu

Develop and improve reading skills, while encouraging a lifelong love of learning, at this program for children and teens entering grades K-12. Students are taught essential phonics and comprehension skills required to become a fluent reader.

Location: Taylorsville Redwood, Miller and Jordan campuses
Semesters Offered: Summer
Credit/Non-Credit: Non-Credit

PROGRAM COURSES:

Reading Development Programs for 4 Year Olds Through Entering 2nd Graders
Reading Development Programs for Students Entering 3rd Through 5th Grades
Reading and Study Skills Programs for Middle School and High School

For the most up-to-date information about Continuing Education programs, classes and workshops visit:
www.slcccontinuinged.com

Institute Of Public Safety

Estimated cost of books and supplies per program	$250

Academic Advisor, (801) 957-5320
Larry H. Miller Campus, (801) 957-5200
General Information, (801) 957-4073 or, (801) 957-5330
Director David Attridge

The CJ 1910 and CJ 1920 courses (Peace Officer's Academy) are team-taught by practitioner instructors who are P.O.S.T. certified. The teams include selected members of the Institute training staff, local law enforcement agencies, and attorneys for city, county, and state agencies.

THE PROGRAM

The 1985 Utah Legislature altered statutes concerning law enforcement instructional programs. Four categories of training programs and certification requirements became effective July 1, 1985. These categories and certification standards have undergone several revisions.

Two separate programs are provided in law enforcement instruction to meet these training requirements. The Peace Officer Standards and Training (P.O.S.T.) Council has approved curricula relating to each of these.

GENERAL EDUCATION REQUIREMENTS

1. United States citizen.
2. Must be 21 years old to be admitted to the academy.
3. Have a high school diploma or GED.
4. Pass a background investigation.
5. Free of any physical, emotional, or mental conditions that might adversely affect the performance of duty as a peace officer as determined through a selection process.
6. Be accepted by P.O.S.T. based on the application process.
7. Pass the "National - Police Selection Test." For details regarding this test, contact the School of Applied Technology (801) 957-3257.

NOTE: Certification must be awarded within one year from the date of course completion.

CJ 1910 SPECIAL FUNCTION/RESERVE OFFICER TRAINING COURSE

THE COURSE

This training course satisfies the certification training requirements for those who desire to become employed in the law enforcement fields of airport or campus security, constable service, corrections and a number of selected positions with various regulatory agencies. This program also meets the requirements for those interested in becoming reserve or auxiliary officers.

The CJ 1910 training course consists of up to 243 contact hours during a 13-week period.

COURSE CONTENT - LEGAL, PATROL, AND CRIMINAL INVESTIGATIVE SUBJECTS (INCLUDING SKILL AREAS):

Ethics
Introduction to U.S. and State Constitutions
Introduction to Criminal Justice System
Introduction to Utah Court Systems
Report Writing
Radio Communications
Media Relations
BCI/AFIS
Hazardous Materials Response
Emergency Medical Response
First Aid/CPR
Healthy Lifestyles
Laws of Arrest
Laws of Evidence
Laws of Reasonable Force
Liability of Peace Officers
Crimes Against Persons
Crimes Against Property
Crimes Against Family
Crimes Against Administration of Government
Crimes Against Public Order and Decency
Controlled Substance Law
Alcohol Law
Juvenile Law
Defensive Tactics
Gang Awareness
Conflict Resolution
Application Scenario's
Interview and Interrogations
Preliminary Investigations
Crime Scene Protection and Search
Collection and Preservation of Evidence
Victimology
Drug Recognition and Familiarization
Physical Training

CJ 1920 PEACE OFFICER BASIC TRAINING COURSE

THE COURSE

CJ 1920 Peace Officer's Basic Training is the final module of the program; applicants must hold a valid special functions certification or must first complete the CJ 1910 course.

This module consists of 377 contact hours of law enforcement training during an 20-week period.

Estimated cost of books and supplies for program $600

COURSE CONTENT

Court Demeanor and Testifying
Civil Disputes
Traffic Law
Advanced Defensive Tactics
Impact Weapons
Patrol Concepts
Critical Incident Response
Mental Conditioning for Combat
Pedestrian Stop and Approach
Vehicle Searches
Building Searches
Crimes in Progress
Hostage/Barricaded Subjects
Off Duty Response
Introduction to K-9
Basic Bomb Recognition
Introduction to Incident Command System
National Incident Management System
Reality Based Application Scenario's
Radar/Lidar Certification
Sex Crimes Investigation
Dead Body Investigation
Follow-Up Investigation
Child Abuse and Neglect
Traffic Accident Investigation
Domestic Violence/Cohabitant Abuse Procedure
Identity Theft - Fraudulent Documents
Recognizing and Handling Drugs and Narcotics
Intoxilyzer Operation and Certification
DUI and Standard Field Sobriety Testing
Firearms
Physical Training

CEIP 0400 EMERGENCY MEDICAL TECHNICIAN TRAINING

THE TRAINING

The Emergency Medical Technician Training (CEIP 0400/ HLTH 2300) satisfies Utah's certification requirements for those interested in becoming emergency medical technicians. This training also is applicable to those in law enforcement, fire service and private security as well as various other health providers.

Estimated cost of books and supplies for program	$ 125
State test fees	$ 160-195
Cost of training equivalent to ten semester credit hours	

COURSE CONTENT

This 163-contact hour course covers treatment of trauma injuries, shock treatment, bleeding, illness, bandaging, splinting, taking vital signs, anatomy and physiology as well as the new guidelines, including defibrillators.

CEIP 0410 EMT RE-CERTIFICATION TRAINING

THE TRAINING

Re-certification consists of 100 hours of training designed for individuals holding current valid certification as an EMT.

BOOKS AND SUPPLIES

No books or supplies are required for this program. Students will pay state test fees.

COURSE CONTENT

The required 25 hours may be selected from any part of an ongoing CEIP 0400 course. The intent is to provide students with refresher training in an area that meets students needs.

IN-SERVICE TRAINING

The Institute is an export training site for the Federal Law Enforcement Training Center (FLETC), Glynco, Georgia. The Institute is responsible for providing state and local law enforcement communities of the Rocky Mountain region with quality in-service training opportunities.

The Institute offers in-service training and special workshops for individual agencies and departments. For information about upcoming events, see the Larry H. Miller Campus website schedule or call (801) 957-5330.

SPECIALIZED RELATED TRAINING

The Institute offers training and special workshops for related public safety training such as private security, firearm safety and concealed weapon permits, and motor-cycle rider education. See the Miller Campus website, schedule, or call (801) 957-5330.

NON-CREDIT

Contact: Julia Ellis
(801) 957-3920
julia.ellis@slcc.edu

LOCATION: Miller Campus
SEMESTERS OFFERED: All, Varies
CREDIT/NON-CREDIT: Non-Credit

CEIP 0016 CITIZEN'S CONCEALED FIREARMS TRAINING

Teaches you current, safe and effective handgun skills to become proficient in home and self-defense. Fulfills required training for a concealed carry permit for the State of Utah.

CEIP 0420 CPR CERTIFICATION

Course is to satisfy the pre-requisite in the EMT program, requiring students have first-aid and CPR certification.

CEIP 0090 DRIVERS EDUCATION

SLCC offers in-person classes taught by State Certified Driver Education Instructors. Lessons will cover driving laws and safe driving instruction. There are nine 2 hour sessions of classroom instructions and 6 hours of on-road driving and 6 hours of observation required.

CEIP 0014 MOTORCYCLE RIDER EDUCATION

This course is designed for beginner motorcyclists as well as for those being re-introduced to cycling. These courses provide training that would take hundreds of miles of street riding to acquire. They are taught by experienced motorcyclists who are professionally trained instructors and nationally certified by the Motorcycle Safety Foundation.

Miller Business Resource Center

Contact: Randy N. Schouten, Division Chair
(801) 957-5259
randy.schouten@slcc.edu

Most entrepreneurs are aware of the obstacles their emerging businesses face. However, they might not know that an amazing set of resources are available to help their business break through and grow.

Welcome to the Miller Business Resource Center (MBRC). As the only facility of its kind in Utah, the MBRC provides powerful resources for the local business community. These resources include training, business counseling, start-up office space, and much more. Whether you are trying to start-up, grow or, ensure your established business remains strong, the MBRC can help you step ahead.

The MBRC is at the Larry H. Miller Campus, located at 9750 South 300 West, Sandy, and is in the Miller Corporate Partnership Center building. Visit www.mbrcslcc.com for more information about the business services and non-credit courses offered at the MBRC.

The following programs are at the Miller Business Resource Center:

CORPORATE SOLUTIONS

Contact: Mark Poole, Director
(801) 957-5274
mark.poole@slcc.edu
www.mbrcslcc.com/corporatesolutions

Our Mission:
Corporate Solutions at Salt Lake Community College is committed to providing Utah businesses and individuals with high quality, innovative, customized, workforce training and professional development.

We offer lifelong learning that builds workforce knowledge, skills and ability. Our global and local resources, expertise, and customized learning systems provide today's and tomorrow's workforce solutions.

The following programs were designed with your needs in mind. If you don't see what you are looking for, our expert program developers will build it for you!

CORPORATE PARTNERSHIP TRAINING

Contact: Mark Poole
(801) 957-5274 or, (801) 957-5272
mark.poole@slcc.edu
mbrcslcc.com/corporatepartnership

LOCATION: Miller Campus, Miller Corporate Partnership Center
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Non-Credit

Corporate Partnership Training works with medium to large businesses to upgrade workers' skills, improving productivity, profitability and employee retention. Our expert services go far beyond the typical "off the shelf, one size fits all" training maze. We offer consultation and coaching with experienced business professionals who will design a customized program to meet your organization's specific business objectives. Our goal is to offer results-oriented programs giving your employees real-world knowledge immediately applicable on the job. Our talented and trained staff can help you create just the right training option for your budget and your company goals.

As a member of the Global Corporate College, our partnerships with a network of community colleges nationwide offer access to quality and market-relevant corporate training over the broad footprint of your company. Through our Global Corporate College, we specialize in:

- Quality Management and Lean Six Sigma
- Leadership and Management Development (DDI)
- Communications
- Continuous Improvement
- Entry Level Training

ACT/WORKKEYS TRAINING AND TESTING CENTER

Contact: Joe Fox
(801) 957-5215
joe.fox@slcc.edu
mbrcslcc.com/workkeys
LOCATION: Miller Campus, Miller Free Enterprise Center
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Non-Credit

Your Source for Premier Workforce Development.
We can help you boost productivity and improve performance! Corporate Solutions' ACT/WorkKeys Testing and Training Center provides a one-stop workforce development center with a wide array of training and testing services from a variety of sources.

Training Services:
- Web-based and computer-delivered certification and licensure testing for trades and professionals
- Skills Assessment and Job Profiling Licensing and Certification
- "High stakes" licensing and certification testing is conducted in our state-of-the-art, high-security testing center. Students can register at www.act.org
- Certiport IC3 testing and certification
- CastleWorldwide
- NABCEP Entry Level Exam

CUSTOM FIT TRAINING

Contact: Shannon Strickland
(801) 957-5293
shannon.strickland@slcc.edu
mbrcslcc.com/customfit

LOCATION: Miller Campus, Miller Corporate Partnership Center
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Non-Credit

Custom Fit Training is one of Corporate Solutions most-flexible, customized training programs designed to provide Utah businesses with a well-trained workforce. Utilizing Utah state funds, Custom Fit Training is designed to stimulate economic development and facilitate the creation of new jobs in our state.

The Corporate Solution Custom Fit Training team will leverage their extensive training expertise to offer your company a variety of performance solutions:

- Training needs assessment
- Curriculum design
- Technical skills training
- Leadership and management training

EXAMPLES OF TRAINING:

- Six Sigma
- ISO 9000
- Customer Service Skills
- Management and Supervisory Skills
- Conflict Resolution
- Lean Manufacturing
- ESL (English as a Second Language)
- Computer Skills
- Human Resource Management
- Company and Project-Specific Training

ENGLISH AS A SECOND LANGUAGE

Contact: Donna Smith
(801) 957-5256
donna.smith@slcc.edu
mbrcslcc.com/esl

LOCATION: Miller Campus, Miller Corporate Partnership Center
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Non-Credit

Corporate Solutions offers customized ESL training to help you increase the language skills of your employees. Your company benefits by increased productivity and employee loyalty.

- Ability to understand safety issues
- Increased excellent customer service
- Understanding communications within the organization
- Retention and recruitment
- Career development

SHORT TERM INTENSIVE TRAINING (STIT)

Contact: Donna Smith
(801) 957-5256
donna.smith@slcc.edu
mbrcslcc.com/stit

LOCATION: Miller Campus, Miller Corporate Partnership Center
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Non-Credit

Short Term Intensive Training (STIT) Programs utilize state funds to provide occupationally specific intensive training for employees or for individuals seeking to match their training needs to new employment opportunities. The types of training subsidized by STIT are extensive and include a wide range of industries. Short Term Intensive Training is administered by the Corporate Solutions department at Salt Lake Community College in Salt Lake.

We custom design many STIT courses. Below are examples of those created for corporate clients and are offered either on campus or at your company:

- AutoCAD
- Basic Welding Skills
- Basic Composites Training
- Business Writing for Managers
- English as a Second Language
- Vehicle Safety Inspection and Applied Emissions
- Mastering Police Report Writing

TECHNICAL TRAINING

Corporate Solutions offers specific technical training in demand by business and industry. If you don't see what you need here, contact us to discuss the right program for your workforce.

COMPUTER AIDED DESIGN/CAD APPLICATION TRAINING AUTHORIZED TRAINING CENTER

Contact: Joe Fox
(801) 957-5215
joe.fox@slcc.edu
mbrcslcc.com/cad

-Visit Website for current class schedule.
LOCATION: Miller Campus, Miller Free Enterprise Center
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Non-Credit

As an Autodesk® Premiere Authorized Training Center (ATC), Corporate Solution's CAD Applications Training offers a full range of AutoCAD® and Autodesk training classes designed to suit your business needs.

COURSES OFFERED AT CAD APPLICATION TRAINING CENTER:

AutoCAD® Essentials 24 hrs
AutoCAD® Intermediate 24 hrs
Autodesk® 3ds: Maxdesign 24 hrs
Autodesk® Civil 3D 24 hrs
Autodesk® Inventor 24 hrs
Autodesk® Navisworks 10 hrs
Autodesk® Revit Architecture 24 hrs
Autodesk® Revit MEP 24 hrs

OTHER SOFTWARE COURSES:

Solidworks 32 hours

COMPOSITES TECHNICIAN PROGRAM

Contact: Daryl Thompson
daryl.thompson@slcc.edu
(801) 957-5236
mbrcslcc.com/composites

LOCATION: Miller Campus, Miller Corporate Partnership Center
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Non-Credit

WHAT IS COMPOSITES TECHNOLOGY?

Composites technicians fabricate lightweight, structurally strong parts and assemblies for a variety of applications associated with important and expanding industries such as aerospace, recreation and automotive. Job functions include use of epoxy resins, fiberglass, carbon and Kevlar fabrics, structural adhesives, and coatings.

INTRODUCTION TO COMPOSITES 30 HOURS
COMPOSITES LEVEL 2 40-60 HOURS
COMPOSITES LEVEL 3 40-60 HOURS

This project is funded in part by a grant awarded under the President's Community-Based Job Training Grants, as implemented by the U.S. Department of Labor's Employment and Training Administration.

VEHICLE SAFETY INSPECTION & APPLIED EMISSIONS

Contact: Anita Oleksy
anita.oleksy@slcc.edu
(801) 957-5314
mbrcslcc.com/inspectionemissions

LOCATION: Miller Campus, Miller Corporate Partnership Center
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Non-Credit

Corporate Solutions coursework is designed to fulfill training requirements in this field:

LIGHT DUTY AND HEAVY DUTY SAFETY INSPECTION COURSES
LIGHT DUTY SAFETY INSPECTION 16 HRS
HEAVY DUTY SAFETY INSPECTION 16 HRS

You must complete one or both of these courses at least once, then you may take the recertification path outlined by UHP as needed to maintain certification.

UTAH HIGHWAY PATROL RECERTIFICATION

A training and assessment program, available either online or CD, to keep your safety inspection certification current must be taken before your present certificate expires. To purchase a CD please contact us.

APPLIED EMISSIONS 32 HRS

The Salt Lake Valley Health Department requires anyone wanting to be a certified I/M inspector complete a 32-hour training class conducted by the health department. Before taking that class a candidate must first prove their knowledge of vehicle emissions systems by either:

- Passing a pre-test administered by the health department with a score determined by that department. For more information about the pre-test call (801) 313-6720.

OR

- Successfully completing the 32-hour Applied Emissions class conducted by Salt Lake Community College designed to prepare the student for the county class. Successful completion means attending all class sessions and completing the final test with a score of 80 percent or better.

COURSE

Applied Emissions: 32-hour class covering required curriculum to prepare for the Salt Lake County Emissions class. This class is not part of the vehicle safety inspection program. Upon completion of this class the student will be able to demonstrate a basic knowledge of vehicle emissions systems prior to taking the class that qualifies a student to be an SLCO certified emissions tester.

Emissions recertification is done at Salt Lake Valley Health Department. Call (801) 313-6720 for more information.

INTRODUCTORY WELDING

Short Term Intensive Training Program 40 Hrs.

Contact: Donna Smith
(801) 957-5256
donna.smith@slcc.edu
mbrcslcc.com/stit

LOCATION: Miller Campus, Miller Corporate Partnership Center
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Non-Credit

Corporate Solutions works closely with the College Associate of Applied Welding program to offer customized Short Term Intensive Training classes to individuals who need basic welding skills for an entry-level position or to employees who need to learn basic welding skills for their current job.

Custom classes are generally 40 hours and taught on Saturdays or in the evenings to accommodate work schedules. Custom classes can be arranged on-site or off-site.

WHAT WILL YOU LEARN IN THIS COURSE?

- Oxyacetylene (fuel) safety procedures, cutting, and brazing
- SMAW (Stick) electrode selection, identification, classification
- Limited theory and joint design
- Welding mild steel plate, butt joint, lap joint, tee joint, groove joint welds
- Welds will be using 1/8", 3/16", 1/4" & 3/8" plate in all positions

GLOBAL BUSINESS CENTER

Contact: Stan Rees
(801) 957-5336
stan.rees@slcc.edu
mbrcslcc.com/global

LOCATION: Miller Campus, Miller Corporate Partnership Center
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Non-Credit

The Global Business Center is Utah's international business education connection. Our objective is to help Utah companies take advantage of the large world marketplace. Utah companies can no longer say that "we will sell our products and services just in Utah, Colorado, California, Arizona, or even to the rest of the U.S. market." To say that we are interested in new markets for our products means that we must look to global markets. Services include best market analysis, development of an export strategy, executive course in Global Business Management, export readiness assessment, global trade education training, International Business Incubator Program, in-house basics of export training, international business briefings & workshops, market research assistance and networking events.

PROGRAM COURSES:

EXECUTIVE CERTIFICATE OF GLOBAL BUSINESS MANAGEMENT

The Executive Certificate of Global Business management if offered to business executives, professionals, working staff, entrepreneurs, and qualified students who wish to increase

their knowledge and improve their strategies in global business practices. The course consists of 10 classes with 30 hours of professional class instruction, and a text with supplements designed to help guide a business into the world market place.

Course topics include:
- Export Readiness
- International Marketing
- Finding Quality Overseas Distributors/Partners
- Trade Logistics
- International Trade Finance
- International Legal and Tax Issues
- Managing Your Global Business

SHIPPING YOUR PRODUCTS OVERSEAS.

This online course on international trade logistics takes approximately 6-8 hours to complete and is designed to train marketing and shipping personnel on effective methods to use in shipping products overseas.

Topics include:
- Duties of a Freight Forwarder
- Evaluating and Selecting your Freight Forwarder
- Trade Terms (Incoterms)
- Responsibilities of Seller and Buyer
- Major International Shipping Documents
- Securing an Export License
- Foreign Import Duties and Taxes

MILLER BUSINESS INNOVATION CENTER (INCUBATOR)

Contact: Tom Vollbrecht- Entrepreneur in Residence
(801) 957-5443
Tom.Vollbrecht@slcc.edu
mbrcslcc.com/mbic

LOCATION: Miller Campus, Miller Corporate Partnership Center

Salt Lake Community College's Miller Business Resource Center is home to the Miller Business Innovation Center (MBIC), the largest business incubator in Utah. Co-located with the Salt Lake Regional Small Business Center, the MBIC opened its doors in 2003 as a mixed use incubator promoting the entrepreneurial philosophy of Larry H. Miller, Miller Campus' largest benefactor. MBIC includes the participation of publishing, franchiser, software development and medical device entrepreneurs responding to business needs in cross-industry sectors.

Potential sponsors, companies wanting to become part of the MBIC, media relations providers or professional service providers seeking to help MBIC clients can find more information at mbrcslcc.com/mbic.

Miller Campus Conferencing and Facility Rental

Director Kent Hilton
(801) 957-5222
Facility Rental Rachelle Brough, (801) 957-5294
mbrcslcc.com/conferencing

The Miller Campus is a convenient and inexpensive alternative meeting facility located just 20 minutes from downtown Salt Lake City. This beautiful south valley location is perfect for business, educational and private events. You will find over 21,000 sq ft of high tech meeting space with free parking. This is an ideal event venue for full-service trade shows, corporate trainings, conventions, meetings and banquets.

MILLER PROFESSIONAL DEVELOPMENT CENTER (MPDC)

- Multi-Purpose Rooms
- Computer Labs
- Classroom Rental Space
- Miller Campus Business Offices
- Conferencing Office - Sales & Marketing

KAREN GAIL MILLER CONFERENCE CENTER (KGMC)

- Flexible Setups Available
- Banquet Rooms
- Conference Space for 498 People
- Outdoor Patio
- Vendor Hall

MILLER FREE ENTERPRISE CENTER (MFEC)

- Spacious Auditorium for 304 People
- Video Recording Capability
- Vendor Hall
- Showroom
- CEO and Corporate Training Rooms

Salt Lake Small Business Development Center

Contact: Director, Carlos Linares
801-957-5279
carlos.linares@slcc.edu
slsbdc@slcc.edu
mbrcslcc.com/slsbdc

LOCATION: Miller Campus, Miller Corporate Partnership Center
SEMESTERS OFFERED: All
CREDIT/NON-CREDIT: Non-Credit

The Salt Lake Small Business Development Center (SLSBDC) is dedicated to launching businesses as well as helping small businesses achieve their goals of growth, expansion, innovation, increased productivity, management improvement and success. Experts in the field work in partnership with entrepreneurs to provide crucial information and support that can mean the difference between business success and failure.

The Salt Lake Small Business Development center offers expert counseling to start-up and existing businesses at no cost to the client. You can find the best tools and resources your business needs to help you thrive. Our experienced and helpful staff can consult with you on a variety of relevant and timely topics, ranging from buying or selling a company to accounting or employment issues.

SERVICES INCLUDE:

- Confidential one-on-one consulting in management, financing, and marketing
- Intensive business training seminars
- Comprehensive entrepreneurial needs assessment
- Assistance with access to capital
- Market research
- New business feasibility analysis, business resource libraries with access to current business data, demographics, technological information and statistics
- Government procurement, international trade and technology assistance

PROGRAM COURSES:

PRE START-UP

Start Smart: What You Need to Know if You Are Thinking of Starting Your Own Business

FastTrac® First Step: Develop a Feasibility Plan to Evaluate Your Business Concept

EXISTING BUSINESS

- Choosing a Business Entity: Learn the Potential Legal and Tax Issues of the Five Most Common Business Entities
- FastTrac® Growth Venture: Maximizing the Growth Potential of Your Business
- Financial Essentials: How to Avoid Common Mistakes in Budgeting
- How to Grow with Internet Marketing: Successfully Integrate, Segment and Target Your Marketing Strategy Online
- Market Research: Identify Your Target Market
- How to Find Customers: How to locate and market to your target customers
- Strategic Marketing: Create an Integrated Marketing Campaign
- Employment Tax Workshop: Learn Withholding Requirements for Employees

Employer Tax Workshop
Quickbooks PRO - Beginning
Quickbooks PRO - Intermediate
Quickbooks PRO - Advanced
Tax Implications — LLC
Tax Implications — S-Corp
Tax Implications — Sole Proprietor
Tax Implications — Partnerships

WOMEN'S BUSINESS INSTITUTE

Director Ann Mackin
(801) 957-5241
ann.mackin@slcc.edu
www.mbrcslcc.com/wbi

SERVICES WE PROVIDE

- One-on-one counseling for new businesses
- Counseling for existing businesses
- Entrepreneurial mentoring & coaching
- Market research assistance
- Incubation & acceleration services
- Start-up training and workshops
- Networking events
- Entrepreneurial curriculum
- Training for "Certified Women-Owned" businesses
- International community marketing through our student-run company

The Women's Business Institute (WBI) provides comprehensive services for those looking to start or grow their business. We specialize in being a safe, comfortable space for women entrepreneurs to find the help they need to allow their ideas to grow into profitable business ventures.

Our services are low cost or no cost, as we seek to help every woman looking to start or further her business. It doesn't matter if you are looking to create a new bistro to bring some new flavor to your community or if you're looking to use the internet to start a home business selling your exclusive items, we've got the tools to help you attain the success you want.

THE EDUCATION YOU NEED

- Smart Start orientation workshop
- How to Grow Your Business course
- How to Use Internet Marketing course
- How to Find New Customers course
- QuickBooks course
- Manufacturing assistance
- Import/export and international assistance
- Federal and state procurement contracts
- How to access money
- Financial resources to grow your business
- Social Commerce Exchange seminar

There's a lot to starting a business and keeping it afloat in the current economic climate. The WBI is here to help you learn the skills you need to launch your business and make it a success.

With the classes offered at the WBI you can acquire the tools you need to best further your business, or start a new one. If you are a start-up venture, or an established business looking for new strategies and information, we can help you find what you need to make your businesses thrive, making the difference between success and simply survival in today's business world. Interim

Utah Small Business Development Center

Contact: State Director Sherm Wilkinson, (801) 957-5384
www.slcc.edu/utahsbdc
www.utahsbdc.org

The Utah Small Business Development Center (USBDC) facilitates a network of centers throughout the state in a variety of rural and urban communities. Eleven service centers and four satellite locations provide high quality business consulting and training for existing businesses and entrepreneurs who want to start a business. The Salt Lake SBDC and the lead center are located at the Miller Campus at Salt Lake Community College.

The USBDC network is hosted by Salt Lake Community College and funded by the U.S. Small Business Administration (SBA), The Governor's Office of Economic Development (GOED), and eight colleges and universities throughout Utah.

The USBDC specializes in consulting and training services for qualifying small businesses. The Utah SBDC also offers a wealth of small business related resources including market research, referrals to specialized partners, and valuable networking opportunities.

Salt Lake Community College

School of Applied Technology

2012 - 2013

Career & Technical Training

Highland Center
3760 South Highland Drive, Suite 200
Salt Lake City, Utah 84106-4206

Meadowbrook Campus
250 West 3900 South
Salt Lake City, Utah 84107-1459

South City Campus
1575 South State Street, Room W137D
Salt Lake City, Utah 84115-1610

Taylorsville Redwood Campus
4600 South Redwood Road
P. O. Box 30808
Salt Lake City, Utah 84130-0808

Westpointe Center
2150 West Dauntless Avenue (1000 N.)
Salt Lake City, Utah 84116

Phone: (801) 957-3354

Fax: (801) 957-3315

July 2012

View entire School of Applied Technology Program Guide
for the most up-to-date program information at: www.slcc.edu/sat
E-mail: applied.tech@slcc.edu

Academic Calendar

No Classes

July 2012

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

August 2012

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

September 2012

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

October 2012

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

November 2012

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

December 2012

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

January 2013

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

February 2013

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

March 2013

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

April 2013

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

May 2013

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

June 2013

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

Shaded areas indicate school is not in session.

See an advisor for specific program schedules.

Admission & Registration

The **School of Applied Technology,** within the Salt Lake Community College, provides quality career and technical education in a flexible, competency-based format meeting the needs of students desiring low-cost training in high- skill job fields. Programs are responsive to business and industry requirements resulting in appropriate license, certification, or evidence of completion, articulating, where appropriate, with career and technical education courses within the College.

High School Students and Adults

High school students and adults are welcome to enroll in School of Applied Technology (SAT) programs or courses. Please note, some occupations, and therefore, clinical externships, have a minimum age requirement of 18 before students will be considered for placement or hire.

High School Students

Prior to admission, all high school students must complete the high school pre-registration form which will be signed by the high school counselor and parent/guardian. On this form, the student will indicate if they are seeking high school credit.

High school students do not pay tuition but are responsible for an application fee, lab fees, classroom fees, and purchasing books and supplies, as needed.

Senior Citizens

Senior citizens, age 62 and over, may enroll in classes for a reduced fee based on available space. Classes must be taken as Audit (AU) and on a no-credit/grade basis. A registration fee of $10.00 is paid for each semester of attendance, plus any required books, supplies, parking and lab fees. Senior citizens wishing to take classes as degree/certificate-seeking pay the published tuition and fees and are subject to the same standards and regulations as non-senior citizens.

International Students

SLCC welcomes international students and scholars. SLCC is authorized to issue the USCIS form I-20 or DS2019 to qualified non-immigrants. Students must complete an international application and meet all requirements to receive an I-20. SLCC accepts international students who have satisfactorily completed secondary school. Contact the International Students Office for more information: Phone: 1 (801) 957-4528; Fax: 1 (801) 957-4432; Email: international.services@slcc.edu; Website: www.slcc.edu/iss.

English as a Second Language Students

English as a Second Language students will be tested in order to determine the appropriate starting level.

Basic Skills Assessment

High school and college transcripts, the Test of Adult Basic Education (TABE), and other standardized tests may be used to ensure adults have acquired the basic skills necessary to succeed in the training program in which they wish to enroll. High school students will work with their school counselor to ensure they have the appropriate skill levels for the training programs they are entering.

Instructional Delivery

The School of Applied Technology specializes in open-entry, open-exit instructional delivery. This means students may enroll weekly depending on the school calendar and available seats and complete courses when competency proficiency has been demonstrated and evaluated by instructors.

Courses are delivered in two formats: self-directed and instructor-led. The majority of courses are delivered in the self-directed format. This allows new students to join an on-going class or program any week and allows students to complete course work as quickly as they are able to demonstrate competency. A qualified instructor is always present to guide, coach, mentor, and evaluate progress as students work through their prescribed instructional activities.

Instructor-led courses have scheduled start and end times in which students are members of a cohort and work on instructional modules as directed by the instructor.

Standalone Courses

Most courses offered in a program may be taken standalone. Prerequisites, if any, must be completed. The tuition for most standalone courses is based on $1.91 times the course's total clock hours. Students may receive a Recognition of Achievement from their instructor for completion of standalone courses as determined by the department.

Equal Opportunity/Affirmative Action

SLCC is an equal opportunity institution providing educational and employment opportunities without regard to race, color, religion, sex, national origin, age or disability.

Inquiries concerning the above, including the application of Title I, Title VI, Title VII, Title IX, or Section 504* may be referred to the SLCC Director of Equal Employment Opportunity at (801) 957-4561 or (801) 957-4687.

Definitions

Title I:	Americans Disability Act
Title VI:	Civil Rights Act
Title VII:	Civil Rights Act
Title IX:	Educational Amendments of Rehabilitation Act
Section 504:	A Section of the Age Discrimination in Employment Act

Americans With Disabilities Act (ADA)

Students with medical, psychological, learning or other disabilities desiring accommodations or services under ADA must contact the Disability Resource Center (DRC). The DRC determines eligibility for and authorizes the provision of these accommodations and services for the college.

Please contact the DRC at the Student Center, Suite 244, Taylorsville Redwood Campus, 4600 South Redwood Road, Salt Lake City, Utah 84123.

Phone: (801) 957-4659
TTY: (801) 957-4646
Fax: (801) 957-4947
E-mail: linda.bennett@slcc.edu

Step-By-Step Enrollment

Parking While Registering for Classes

- South City Campus (SCC): Park at meters or obtain a complementary day pass from the School of Applied Technology receptionist.

1. Apply for Admission

(International Students - Students temporarily in the United States on a visitor or other visa must apply through the International Students Office. International students pay additional fees. Call (801) 957-4528 or visit http://www.slcc.edu/iss.)

- Fill out application: A $40 non-refundable application fee is required. Sponsors may pay this on behalf of eligible students. The online application is available by visiting www.slcc.edu/sat. (High school students must first complete a Pre-registration form, available by visiting www.slcc.edu/sat.)

- Meet with an advisor to determine desired program, availability, and eligibility at:

  - South City Campus
    1575 South State Street, W137D

- Advisor will issue a test order for the School of Applied Technology Assessment Services, if required.

2. Complete Assessment & Schedule Courses

- Most programs require proof of basic skills proficiency in the form of recent high school, GED, college transcripts, or by taking standardized tests.

- Complete scheduled testing at South City Campus, Room W291, as required.

- Meet with an advisor to review testing results.

- Meet with an advisor to schedule courses.

3. Pay Tuition

- Apply for financial assistance any time during the enrollment process. Financial assistance for tuition, fees, and books may be available from a number of sources (high school students do not pay tuition but do pay classroom fees):

  - VA and PELL Grants: Contact the financial aid advisor at (801) 957-3437, South City Campus, Room W137B.

  - Scholarships: Contact the Director of Student Affairs at (801) 957-3346, Highland Center, Room HLDC215.

  - Government agency sponsors: Contact each agency before enrolling.

- Obtain a cost estimate from the advisor, and pay tuition to complete the enrollment process.

4. Purchase Books & Supplies, as Needed

- Books and supplies are available at Salt Lake Community College bookstores on the South City and Taylorsville Redwood Campuses. Other sites may provide limited bookstore services.

- Payment for books and supplies are made directly to the bookstore. (Costs listed for books and supplies are estimates and are subject to change without notice.)

5. Attend or View Orientation as Appropriate

- Receive class schedule.

- Obtain official OneCard Student ID (bring a picture ID).

  - South City Campus

  - Taylorsville Redwood Campus, Student Center, Lower Level

6. Parking Permit or Bus Pass

- Purchase parking permit or bus pass at South City Campus or Taylorsville Redwood Campus, AD 150. Parking permits may also be purchased at Meadowbrook Campus, main reception desk in Building B.

- Please contact the SLCC Parking Services website at www.slcc.edu/parking/index.asp for current rates and information.

  - Annual permit: $35.00
  - Semester permit: $17.50
  - Monthly permit: $5.00
  - Weekly permit: $3.00
  - Day permit: $1 .00

- Reduced fee bus pass available on a monthly or semester basis.

7. Attend First Day of Class as Scheduled

- The class schedule is required for entry into the classroom.

Resident Tuition - Fiscal Year 2012-2013

(Costs are subject to change)

Program Name	Location	Total Hours	Application Fee	Total Tuition	Total Student Fee	Total Lab Fee	Estimated Books & Supplies	Total Program Cost
Accounting Clerk	HLDC, SCC	809	$40.00	$1,545.19	$121.35	$ 80.00	$ 368.00	$ 2,154.54
Administrative Office Specialist	HLDC, SCC	665	40.00	1,270.15	99.75	72.00	460.00	1,941.90
Air Conditioning/Heating/Refrigeration	MBC	960	40.00	1,833.60	144.00	100.00	885.00	3,002.60
Certified Nursing Assistant	MBC	122	40.00	233.02	18.30	20.00	230.00	541.32
Clinical Lab Assistant	HLDC	345	40.00	658.95	51.75	130.00	414.00	1,294.70
Clinical Medical Assisting	HLDC	950	40.00	1,814.50	142.50	145.00	414.00	2,556.00
Computer Support Specialist (A+)	MBC, WPC	615	40.00	1,174.65	92.25	60.00-300.00**	541.00	1,907.90
Customer Service/Receptionist	HLDC, SCC	290	40.00	553.90	43.50	36.50	230.00	903.90
Electromechanical Assembly Technician	TRC, WPC	365	40.00	697.15	54.75	95.00	288.00	1,174.90
Electronics Assembly Technician	TRC, WPC	195	40.00	372.45	29.25	45.00	173.00	659.70
Electronics Communications Technician	TRC, WPC	1,305	40.00	2,492.55	195.75	30.00	460.00	3,218.30
Electronics Engineering Technician	TRC, WPC	1,209	40.00	2,309.19	181.35	100.00	920.00	3,550.54
Electronics Technician	TRC, WPC	1,165	40.00	2,225.15	174.75	50.00-80.00**	920.00	3,409.90-3,439.90**
Graphic Designer	SCC	645	40.00	1,231.95	96.75	80.00	350.00	1,798.70
Health Information Specialist	SCC	645	40.00	1,231.95	96.75	62.50	460.00	1,891.20
Health Unit Clerk/Coordinator	SCC	203	40.00	387.73	30.45	10.00	242.00	710.18
Heavy Duty Diesel Maintenance Tech.	MBC	525	40.00	1,002.75	78.75	80.00	288.00	1,489.50
Manual Machinist	TRC	450	40.00	859.50	67.50	60.00	173.00	1,200.00
Media Design Technology	SCC	1,275	40.00	2,435.25	191.25	130.00	500.00	3,296.50
Medical Coding and Billing	SCC	813	40.00	1,552.83	121.95	166.50	1,146.00	3,027.28
Medical Office Administration	HLDC	910	40.00	1,738.10	136.50	47.50	794.00	2,756.10
Network Administrator (MCITP:SA)	MBC, WPC	645	40.00	1,231.95	96.75	60.00	978.00	2,406.70
Network Engineer	MBC, WPC	855	40.00	1,633.05	128.25	80.00-85.00**	1,380.00	3,261.30-3,266.30**
Network Infrastructure Tech. (CCNA)	MBC, WPC	825	40.00	1,575.75	123.75	100.00-260.00**	317.00	2,156.50
Phlebotomy Technician	HLDC	285	40.00	544.35	42.75	60.00	414.00	1,101.10
Truck Driving, Professional	MBC	240	40.00	458.40	36.00	1,950.00	87.00	2,571.40
Web Programmer	SCC	675	40.00	1,289.25	101.25	55.00-70.00**	408.00	1,893.50-1,908.50**
Web Site Designer	SCC	675	40.00	1,289.25	101.25	40.00-55.00**	357.00	1,827.50-1,842..50**
Welding	TRC	1,140	40.00	2,177.40	171.00	200.00	506.00	3,094.40

*Individuals may need more or less hours depending on educational goals.
**Depending on electives.

Basic Skills Development & Learning Centers

(Costs are subject to change)

Name	Location	Total Hours	Application Fee	Total Tuition	Total Student Fee	Total Lab Fee	Estimated Books & Supplies	Total Cost
ABE/ASVAB/GED	SCC	64*	$40.00	$122.24 for each 64-hour course needed	$9.60 per each 64-hour course	$20.00 for each computer lab	$85.00-260.00	$271.72-446.72 per course
Computer Learning Center	HLDC	As scheduled	40.00	$22.00 per month	N/A	N/A	N/A	$22.00 per month**
ESL - Pre-Beginning and Low Beginning	SCC	As scheduled	40.00	$13.15 per month	N/A	N/A	N/A	$13.15 per month**
ESL - Level I	SCC	As scheduled	40.00	$1.91 per clock hour	$.15 per clock hour	$20.00 for each language lab	$115.00-288.00 per level	Dependant on number of courses scheduled
ESL - Level II and III	SCC, TRC	As scheduled	40.00	$1.91 per clock hour	$.15 per clock hour	$20.00 for each language lab	$115.00-288.00 per level	Dependant on number of courses scheduled
Open Learning Lab	SCC	As scheduled	40.00	$58.00 per term regardless of schedule	N/A	N/A	N/A	$58.00 per term regardless of schedule**

*Individuals may need more or less hours depending on educational goals.
**Does not include the $40.00 application fee.

Location Legend: HLDC - Highland Center
MBC - Meadowbrook Campus
SCC - South City Campus
TRC - Taylorsville Redwood Campus
WPC - Westpointe Center

STANDALONE COURSES

Most courses offered in a program may be taken standalone. Prerequisites, if any, must be completed. The tuition for most standalone courses is based on $1.91 times the course's total clock hours. Students may receive a Recognition of Achievement for completion of standalone courses as determined by the department.

Delivery Type

Instructor-led courses: An instructor led course where students start and end at the same time.

Self-directed courses: Students attend as scheduled and under the guidance of the instructor work individually through the curriculum.

Anytime/anyplace: Students are given one day for each hour to complete.

The following courses are not offered as part of a program:

Standalone Course Schedule & Costs
(Costs are subject to change)

Code	Course Title	Hours	Cost*			Days	Times	Delivery Type	Site
			Tuition	Student Fee	Lab Fee				
KCDL 0100	CDL Learner's Permit	16	$30.56	$2.40	N/A	M, T, W	3 - 6 pm	self directed	Meadowbrook
KCDL 0120	CDL Upgrade	80	$152.80	$12.00	$545.00	M, T, W, Th, F	8 am - 4 pm or 5 - 10 pm	instructor led/ self directed	Meadowbrook
KCNA 0010	CPR for Health Care Pros	4	$7.64	$.60	$20.00	As scheduled	See Schedule	instructor led	Meadowbrook
KNNA 0100	Nutrition Assistant	20	$38.20	$3.00	N/A	F	7 am - 1 pm, 1 - 5 pm, or 5 - 9 pm	self directed	Meadowbrook

*Application fee is $40, if needed; books and supplies are extra.

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*Locations may change.

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*Locations may change.

BASIC SKILLS DEVELOPMENT & LEARNING CENTERS

Adult Basic Education

QUICK FACTS

Location:
South City
Westpointe

Course Hours:
As scheduled, days and evenings

Application Fee:
$40.00

Tuition:
$122.24 for each 64-hour course needed

Student Fee:
$9.60 per each 64-hour course

Total Lab Fee:
$20.00 for computer lab

Books/Supplies:
$85.00-$260.00

Financial Aid:
VA

Information current at time of printing.

Instruction is designed to assist students who want to improve their reading, writing, and/or math skills before entering vocational training. Faculty work with students on an individual basis using a variety of instructional materials to help them achieve the desired skill level. Most work can be applied toward high school completion/diploma if the student is registered in adult education through their school district. Computer-assisted instruction is also provided through the Integrated Learning Lab and is designed to supplement classroom activities. Instruction is geared to meet the needs of the most elementary level adults through high school/college reading, writing, and math skills.

COURSES & HOURS

Program Hours: Clock hours are determined on an individual basis for one or all of the following subjects:

Reading
- Vocabulary Improvement
- Spelling
- Writing
- Reading Comprehension

Writing
- Composition
- Essay Writing (for GED preparation or College entrance)

Mathematics
- Whole Numbers
- Fractions
- Decimals
- Percentages
- Measurements and Formulas
- Equations
- Ratio and Proportion

Students work at their own skill level and learn through a variety of instructional materials.

Armed Service Vocational Aptitude Battery (ASVAB) Test Preparation

COURSES & HOURS

KALL 0110 Integrated Learning Lab
KABM 0115 Mathematics
KABR 0115 Reading
KGED 0600 GED Test Preparation

Program Hours: Minimum two to four hours per day, as arranged

This program is designed to assist students in preparing for the Armed Services Vocational Aptitude Battery (ASVAB). The scores on this test battery can qualify candidates for certain jobs and training in the armed forces. Instruction is concentrated in the ten ASVAB areas:

- General science
- Arithmetic reasoning
- Word knowledge
- Paragraph comprehension
- Numerical operations
- Coding speed
- Auto and shop information
- Mathematics knowledge
- Mechanical comprehension
- Electronics information

Resource materials and instructors are available for individual lessons and practice before taking the test. Reading and test-taking strategies are presented to reduce test anxiety and encourage confidence. Practice tests will be administered to measure the student's readiness for completing the exam.

QUICK FACTS

Location:
South City

Course Hours:
As scheduled, days and evenings

Application Fee:
$40.00

Tuition:
$122.24 for each 64-hour course needed

Student Fee:
$9.60 per each 64-hour course

Total Lab Fee:
$20.00 for computer lab

Books/Supplies:
$88.00

Financial Aid:
No

Information current at time of printing.

BASIC SKILLS DEVELOPMENT & LEARNING CENTERS

Computer Learning Center

QUICK FACTS

Location:
Highland
Westpointe

Course Hours:
As scheduled

Application Fee:
$40.00

Tuition:
$22 per month at Highland and Westpointe

Lab Fee:
N/A

Financial Aid:
No

Information current at time of printing.

The Computer Learning Center offers self-directed instruction in basic education. Topics include introduction to computer skills, keyboarding, reading, writing, and math. High school, adult basic education and ESL students (CASAS scores above 215 - offered at Westpointe Center only) are eligible to enroll to improve their skills in preparation for college classes, certificate training programs or the GED.

COURSES

KOLL 0200 Open Learning Lab at Highland Center

KOLL 0300 Open Learning Lab at Westpointe

Self-directed instruction in:
- Basic Computer Skills
- Keyboarding
- Math
- Reading Writing
- GED Preparation
- Vocational ESL: Healthcare and Business (Offered at Westpointe Center only)

English as a Second Language (ESL)

COURSES & HOURS

Program Hours:
Level I, II, and III - 300 hours per level (minimum two hours per day)

Level I - Beginning ESL
KESL 0110 Grammar/Writing
KESL 0120 Reading
KESL 0150 Listening/Speaking
KESL 0190 Language Lab

Level II - Intermediate ESL
KESL 0210 Grammar/Writing
KESL 0220 Reading
KESL 0250 Listening/Speaking
KESL 0450 Language Lab

Level III - Advanced ESL
KESL 0310 Grammar/Writing
KESL 0320 Reading
KESL 0350 Listening/Speaking
KESL 0450 Language Lab

Level III - (C) Advanced Pre-College ESL
KESL 0721 Reading/Writing
KESL 0731 Listening/Speaking
KESL 0740 Computer & Writing Lab
KESL 0751 Grammar

The School of Applied Technology offers three levels of ESL leading to vocational training or college level classes. No minimum English proficiency is required to enter ESL classes. However, a placement test is given to determine the level at which a student should begin. Placement tests are arranged at the time students seek to register for the program. Students participate in the Integrated Learning Lab which focuses on the individual needs of the students. ESL classes include intensive practice in reading, writing, grammar, listening, vocabulary, pronunciation, conversation, and computer-aided instruction.

International Students

International students (students on a non-immigrant visa) must complete the International Student Application for Admission through the International Student Services, Taylorsville Redwood Campus, Room STC 234, phone (801) 957-4528, website address: http://www.slcc.edu/iss; e-mail: international.services@slcc.edu. Students will be charged a $75 application fee at that time.

Individual Courses (Afternoon Only)

KESL 0470 Vocabulary/Dictionary Skills
KESL 0480 Effective Communication Skills
KESL 0490 Reading for Career Development

South City Campus (Evening Only)

Pre-Beginning and Low Beginning:
$40 application fee; $13.15 a month.
Call (801) 957-3212 for information.

QUICK FACTS

Location:
South City
Taylorsville Redwood

Course Hours:
Beginning Literacy/ Pre-Beginning, Level I, II, and III: as scheduled

Application Fee:
$40.00

Tuition:
Level I, II and III courses based on $1.91 per clock hour

Student Fee:
$.15 per scheduled clock hour

Lab Fee:
$20.00 for each language lab

Books/Supplies:
$115.00 - $288.00 per level

Financial Aid:
VA

Information current at time of printing.

GED Test Preparation

QUICK FACTS

Location:
South City
Westpointe

Course Hours:
As scheduled, days and evenings

Application Fee:
$40.00

Tuition:
$122.24 for each 64-hour course needed

Student Fee:
$9.60 per each 64-hour course

Total Lab Fee:
$20.00 for computer lab

Books/Supplies:
$100.00-$225.00

Financial Aid:
VA (pending)

Information current at time of printing.

The GED Test Preparation course is designed for individual student study to prepare for the GED exam. Resource material is available for individual lessons and practice in the tested areas of mathematics, writing skills, social science, science, and interpreting literature and the arts. Reading and test-taking tips are presented in the course to lessen test anxiety and encourage confidence. Diagnostic and practice tests are administered to measure the student's readiness for the exam. The Integrated Learning Lab also is used to strengthen classroom instruction and to prepare the student for the final GED exam.

Three hours of classroom instruction are GED, writing, and math. Additional hours, as needed: math or Integrated Learning Lab.

GED tests are given by appointment in the School of Applied Technology Testing Services Office. For an appointment and fee information, call (801) 957-3249, or inquire at the Testing Services Office in Room W124, South City Campus.

COURSES & HOURS

KALL 0110 SCIL Lab
KABM 0115 Math
KGED 0500 GED Prep. Lang. Arts/Writing
KGED 0600 GED Test Preparation

Program Hours: Minimum three hours per day, as arranged

BUSINESS OFFICE TECHNOLOGY

Accounting Clerk

QUICK FACTS

Location:
Highland & South City

Program Hours:
809

Application Fee:
$40.00

Total Tuition:
$1,545.19

Total Student Fee:
$121.35

Total Lab Fee:
$80.00

Books/Supplies:
$368.00

Financial Aid:
Pell, VA

Information current at time of printing.

The Accounting Clerk Program enables students to develop entry-level skills in the office accounting and/or bookkeeping areas. The most up-to-date tools necessary for securing and maintaining employment are emphasized throughout the program. Emphasis is placed on standard accounting office procedures including presentation software (MS PowerPoint), team skills and activities, and exposure to other software packages including MS Outlook. Secretarial accounting, computer-based accounting principles, data-entry, skill building, speed and accuracy, customer service, spreadsheets (MS Excel), and word processing (MS Word) are also emphasized.

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 43-3031.00 Bookkeeping, Accounting, and Auditing Clerks
- 43-4071.00 File Clerk
- 43-9061.00 Office Clerk

COURSES & HOURS

KAOS 0135 Comp. Keyboarding	120
KAOS 0165 Comp. Ten-Key	75
KAOS 0170 Computer Concepts	30
KAOS 0185 Basic Word Processing	40
KAOS 0235 Adv. Business Commun.	69
KAOS 0260 Presentations	30
KACT 0125 Comp. Spreadsheets	80
KAOS 0250 Customer Serv. Life Skills	60
KACT 0135 Accounting	140
KACT 0170 Records Management	30
KACT 0195 Comp. Quickbooks	80
KAOS 0270 Data Base	40
KWRK 0515 Job-Seeking Skills	15
Total Program Hours	**809**

Administrative Office Specialist

COURSES & HOURS

KAOS 0135 Comp. Keyboarding	120
KAOS 0155 Intermediate Ten-Key	50
KAOS 0170 Computer Concepts	30
KAOS 0195 Comp. Word Processing	80
KAOS 0245 Comp. Business Comm.	90
KAOS 0260 Presentations	30
KACT 0125 Comp. Spreadsheets	80
KAOS 0250 Cust. Serv. Life Skills	60
KACT 0170 Records Management	30
KACT 0185 Basic Quickbooks	40
KAOS 0270 Database	40
KWRK 0515 Job-Seeking Skills	15
Total Program Hours	**665**

The Administrative Office Specialist Program enables students to develop entry-level skills in the computer/office occupations area. The most up-to-date tools necessary for securing and maintaining employment are emphasized throughout the program. Emphasis is placed on keyboarding skill building, ten-key calculator skills, computer concepts, Windows, Internet, and e-mail. Further emphasis is placed on computer applications including spreadsheets, word processing, and presentations. Students learn business communication skills, business office procedures, customer service, and life skills training. Students may also elect to take program electives including database applications, accounting, QuickBooks, advanced Word Processing, and medical terminology.

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 43-9061.00 General Office Clerk
- 43-6014.00 Secretaries

QUICK FACTS

Location:
Highland & South City

Program Hours:
665

Application Fee:
$40.00

Total Tuition:
$1,270.15

Total Student Fee:
$99.75

Total Lab Fee:
$72.00

Books/Supplies:
$460.00

Financial Aid:
Pell, VA

Information current at time of printing.

Customer Service/Receptionist

QUICK FACTS

Location:
Highland
South City

Program Hours:
290

Application Fee:
$40.00

Total Tuition:
$553.90

Total Student Fee:
$43.50

Total Lab Fee:
$36.50

Books/Supplies:
$230.00

Financial Aid:
VA

Information current at time of printing.

This program provides basic training in keyboarding skill building, ten-key calculator, computer concepts, Internet, and e-mail. The course also teaches telephone etiquette, professionalism, business communication skills, and introduction to word processing (MS Word). Special emphasis is given to customer service and life skills training. Students learn to use assertive skills and problem solving to provide quality customer service.

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 43-4051.00 Customer Service Representative
- 43-4081.00 Hotel, Motel, and Resort Desk Clerks
- 43-4151.00 Order Clerk
- 43-4171.00 Receptionist and Information Clerks

COURSES & HOURS	
KAOS 0125 Begin/Basic Keyboarding	80
KAOS 0145 Basic Ten-Key	25
KAOS 0170 Computer Concepts	30
KAOS 0185 Basic Word Processing	40
KAOS 0215 Basic Business Comm.	40
KAOS 0250 Cust. Service Life Skills	60
KWRK 0515 Job-Seeking Skills	15
Total Program Hours	**290**

Computer Support Specialist (A+)

QUICK FACTS

Location:
Meadowbrook
Westpointe

Program Hours:
615

Application Fee:
$40.00

Total Tuition:
$1,174.65

Total Student Fee:
$92.25

Total Lab Fee:
$60.00-$300.00

Books/Supplies:
$541.00

Financial Aid:
Pell, VA

Information current at time of printing.

The Computer Support Specialist Program covers system assembly, computer repair, troubleshooting skills, network support, customer service, and software installation. Various electives and operating systems are offered, including Mac, Windows, Customer Service, Externships, and Linux. Skills obtained in this program leading to industry certifications include CompTIA A+ and Network+, Microsoft MCTS, and Linux.

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 15-1041.00 Computer Support Specialist

COURSES & HOURS

A+ Cerfication: Hardware & Software	
KCMS 0136 Computer Components	75
KCMS 0140 Storage & Multimedia	75
A+ Cerfication: Help Desk Technician	
KCMS 0151 Wired & Wireless	75
KCMS 0180 Software & Security	75
KWRK 0515 Job-Seeking Skills	15
Electives (Choose at least 300 Hours):	
Microsoft Certification	
KNWE 0680 Conf. Windows Clients	75
KNWE 0780 Maint. Windows Clients	75
Microsoft MTA	
KCMS 0810 MTA Network Fundmntls	50
KCMS 0820 MTA Security Fundmntls	50
KCMS 0830 MTA Win SVR Admin	50
KCMS 0840 MTA Win OS Fundmntls	50
Linux Certification	
KCMS 0415 Linux Administration	75
CompTIA Network+ Certification	
KCMS 0240 Intro. to Networking Tech.	75
KCMS 0250 Advanced Network Tech.	75
MacIntosh Training	
KCMS 0500 Mac OS X Essentials	75
KCMS 0520 Advanced Mac OS	75
Customer Service	
KCMS 0350 Customer Service	75
Externships	
KCMS 0201 Basic Externship	75
KCMS 0202 Advanced Externship	75
Total Program Hours	**615**

Network Administrator (MCITP:SA)

COURSES & HOURS

KNWE 0680 Conf. Windows Clients	75
KNWE 0780 Maint. Windows Clients	75
KNWE 0642 Network Infra. Intro.	75
KNWE 0742 Network Infra. Imple.	75
KNWE 0640 Active Directory Admin.	90
KNWE 0740 Active Directory Infra.	90
KNWE 0646 Server Admin. I	75
KNWE 0746 Server Admin. II	75
KWRK 0515 Job-Seeking Skills	15
Total Program Hours	**645**

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 15-1041.00 Computer Support Specialist
- 15-1071.00 Network and Computer Systems Administrators

The program provides the latest courses required by Microsoft for the MCTS and MCITP:SA certification titles.

Students receive guidance from certified instructors throughout this intensive “hands-on” training program as they learn to install, configure, manage, secure and troubleshoot the latest Windows client and server operating systems and services in a Windows domain environment. The training can also be used as a step in preparation to take industry exams to earn Microsoft Certified Technology Specialist (MCTS) and Windows 2008 Microsoft Certified Information Technology Professional: Server Administrator (MCITP:SA) titles.

A broad range of client, server, and network management topics are covered in this program including: file and print services, directory services, user and group account management, automation of tasks through scripts, remote management and administration, domain controller management, software distribution and updates, Terminal Services, audit policies, etc.

QUICK FACTS

Location:
Meadowbrook
Westpointe

Program Hours:
645

Application Fee:
$40.00

Total Tuition:
$1,231.95

Total Student Fee:
$96.75

Total Lab Fee:
$60.00

Books/Supplies:
$978.00

Financial Aid:
Pell, VA

Information current at time of printing.

Network Engineer

QUICK FACTS

Location:
Meadowbrook
Westpointe

Program Hours:
855

Application Fee:
$40.00

Total Tuition:
$1,633.05

Total Student Fee:
$128.25

Total Lab Fee:
Track One/$85.00
Track Two/$80.00

Books/Supplies:
$1,380.00

Financial Aid:
Pell, VA

Information current at time of printing.

This training program can be used as a step to gaining valuable industry recognized certification titles including Microsoft Certified Technology Specialist (MCTS), Microsoft Certified IT Professional: Server Administrator (MCITP:SA), Microsoft Certified IT Professional: Enterprise Administrator (MCITP:EA), and Cisco Certified Network Associate (CCNA). Students learn through "hands-on" training using the latest Microsoft and Cisco course materials to plan, support, manage, and troubleshoot enterprise network environments.

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 15-1041.00 Computer Support Specialist
- 15-1071.00 Network and Computer Systems Administrators
- 15-1081.00 Network Systems and Data Communications Analysts

Students need to choose one of the following track options:

COURSES & HOURS	
TRACK ONE (MCITP:EA):	
KNWE 0680 Conf. Windows Clients	75
KNWE 0780 Maintain Windows Clients	75
KNWE 0642 Ntwrk. Infrastructure Intro.	75
KNWE 0742 Implemen. Ntwrk. Infrastr.	75
KNWE 0640 Active Directory Admin.	90
KNWE 0740 Active Directory Infrastr.	90
KNWE 0643 Applications Infrastructure	70
KNWE 0743 Web Apps. & Services	70
KNWE 0647 Enterprise Design I	65
KNWE 0747 Enterprise Design II	65
KNIT 0751 Routing & Switiching I	90
KWRK 0515 Job-Seeking Skills	15
Total Program Hours	**855**

COURSES & HOURS	
TRACK TWO (MCITP:SA/CCNA):	
KNWE 0642 Intro. Ntwrk. Infrastruc.	75
KNWE 0742 Imple. Ntwrk. Infrastruc.	75
KNWE 0640 Active Direct. Admin.	90
KNWE 0740 Active Direct. Infrastruc.	90
KNWE 0646 Server Admin. I	75
KNWE 0746 Server Admin. II	75
KNIT 0751 Routing & Switching I	90
KNIT 0756 Routing & Switching II	90
KNIT 0760 Routing & Switching III	90
KNIT 0765 Routing & Switching IV	90
KWRK 0515 Job-Seeking Skills	15
Total Program Hours	**855**

Network Infrastructure Technician (CCNA)

COURSES & HOURS	
KCMS 0136 Computer Components	75
KCMS 0140 Storage & Multimedia	75
KCMS 0151 Wired & Wireless	75
KCMS 0180 Software & Security	75
KNIT 0751 Routing & Switiching I	90
KNIT 0756 Routing & Switching II	90
KNIT 0760 Routing & Switching III	90
KNIT 0765 Routing & Switching IV	90
KWRK 0515 Job-Seeking Skills	15
Choose one of three elective tracks:	
ELECTIVE TRACK ONE	
KCMS 0240 Intro. to Networking Tech.	75
KCMS 0250 Advanced Network Tech.	75
ELECTIVE TRACK TWO	
KNIT 0780 Intro. to Wireless Systems	75
KNIT 0785 Adv. Wireless Systems	75
ELECTIVE TRACK THREE (choose 3)	
KCMS 0810 MTA Network Fundmntls	50
KCMS 0820 MTA Security Fundmntls	50
KCMS 0830 MTA Win SVR Admin	50
KCMS 0840 MTA Win OS Fundmntls	50
Total Program Hours	**825**

This program is designed to prepare students for entry-level career opportunities, continuing education, and completing globally recognized certifications (CCENT and CCNA) in order to support, install and maintain computer networking infrastructures. Students learn to install, configure, operate, and troubleshoot medium-sized router and switched networks, including implementation and verification of connections to remote sites in a WAN. The curriculum includes basic mitigation of security threats, introduction to wireless networking concepts and terminology, and performance-based skills.

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 15-1081.00 Network Systems and Data Communication Analysts
  15-1071.00 Network and Computer Systems

QUICK FACTS

Location:
Meadowbrook
Westpointe

Program Hours:
825

Application Fee:
$40.00

Total Tuition:
$1,575.75

Total Student Fee:
$123.75

Total Lab Fee:
$100.00-$260.00

Books/Supplies:
$317.00

Financial Aid:
VA

Information current at time of printing.

ELECTRONICS TECHNOLOGY

Electromechanical Assembly Technician

QUICK FACTS

Location:
Taylorsville Redwood
Westpointe

Program Hours:
365

Application Fee:
$40.00

Total Tuition:
$697.15

Total Student Fee:
$54.75

Total Lab Fee:
$95.00

Books/Supplies:
$288.00

Financial Aid:
VA

Information current at time of printing.

Students learn to use the latest techniques and tools to ensure high reliability soldering and electromechanical assembly in this multiple-part, hands-on program. The Universal Assembly and Repair module covers all aspects of both single and double-sided through-hole circuit board technology, including: high-reliability soldering, solder theory, assembly and rework techniques of wire connections, terminals, axial lead, DIPS, flatpacks, and multi-leaded components. The surface mount technology assembly and repair module stresses the safe installation and removal of surface mount components, chip, SOT's, MELF, SOICs, QFPs, and PLCC, using the latest equipment and techniques. Upon satisfactory completion of this program, students will be able to make "accept" or "reject" decisions for the appropriate class/classes of electronic assembly production, based on the acceptability requirements of the IPC-A-610E standard. The IPC-620-A course will train students in modern cabling and harnessing techniques and acceptability requirements of that standard. Students will prepare for the IPC 620 Industry certification. The J-Std-001 course will prepare students to pass the IPC J-Std-001 exam which include both a written and practical element.

The Electromechanical Project Assembly course ties all of the program elements together resulting in a project with soldering, mechanical, cabling, safety, cleaning, and handling elements.

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 17-3024.00 Electromechanical Technicians
- 51-2023.00 Electromechanical Equipment Assemblers

COURSES & HOURS

KELA 0172 IPC-A-610 Cert Specialist	36
KELA 0151 Univ. Assembly & Repair	72
KELA 0161 Surface Mount Technology	72
KEMA 0167 IPC-J-STD-001E Cert	36
KEMA 0168 IPC/WHMA-A-620 Cert	64
KEMA 0180 Electromechanical Project	70
KWRK 0515 Job-Seeking Skills	15
Total Program Hours	**365**

Electronics Assembly Technician

COURSES & HOURS

KELA 0172 IPC-A-610E Cert. Spec.	36
KELA 0151 Univ. Assembly & Repair	72
KELA 0161 Surface Mount Technology	72
KWRK 0515 Job-Seeking Skills	15
Total Program Hours	**195**

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 51-2022.00 Electrical and Electronic Equipment Assemblers
- 51-2023.00 Electromechanical Equipment Assemblers

Students learn to use the latest techniques and tools to ensure high reliability soldering in this two-part, hands-on program. The universal assembly and repair module covers all aspects of both single and double-sided through-hole circuit board technology, including: high-reliability soldering, solder theory; assembly and rework techniques of wire connections; terminals; axial lead; DIPS; flatpacks and multi-leaded components. The Surface Mount Technology (SMT) assembly and repair module stresses the safe installation and removal of surface-mount components, chip, SOTs, MELF, SOICs, QFPs and PLCC, using the latest equipment and techniques. Upon satisfactory completion of this program, students will be able to make "accept" or "reject" decisions for the appropriate class/classes of electronic assembly production, based upon the acceptability requirements of the IPC-A-610E standard.

QUICK FACTS

Location:
Taylorsville Redwood
Westpointe

Program Hours:
195

Application Fee:
$40.00

Total Tuition:
$372.45

Total Student Fee:
$29.25

Total Lab Fee:
$45.00

Books/Supplies:
$173.00

Financial Aid:
VA

Information current at time of printing.

ELECTRONICS TECHNOLOGY

Electronics Communications Technician

QUICK FACTS

Location:
Taylorsville Redwood
Westpointe

Program Hours:
1,305

Application Fee:
$40.00

Total Tuition:
$2,492.55

Total Student Fee:
$195.75

Total Lab Fee:
$30.00

Books/Supplies:
$460.00

Financial Aid:
Pell, (VA pending)

Information current at time of printing.

This program provides a solid foundation for students desiring to enter the electronics communications technician field. The program includes the core electronics curriculum and covers the basic theory, laws, and circuits, ad fundamentals of AC/DC, solid-state and digital electronics. The student will then learn communications theory including Radio Frequency, digital wireless, fiber optics, microwave, and antennas, as well as learn how to use various test equipment.

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 17-3023.01 Electronics Engineering Technicians
- 49-2093.00 Electrical Installers and Repairers

COURSES & HOURS

KELA 0190	Assembly & Soldering	24
KET2 0128	Electronics Math I	72
KET2 0129	Electronics Math II	72
KET2 0135	DC Fundamentals	72
KET2 0136	DC Circuits	72
KET2 0147	AC Fundamentals	72
KET2 0148	AC Circuits	72
KET2 0158	Analog I - Analog Devices	96
KET2 0159	Analog II - Circuits & Apps.	96
KET2 0168	Digital Fundamentals	96
KET2 0169	Digital Circuits & Apps.	96
KET2 0242	Tech Certification	42
KECT 0120	RF Communications	96
KECT 0130	Lines, Antennas, & Towers	48
KECT 0140	Microwaves	72
KECT 0150	Fiber Optics	72
KECT 0155	Intro. to Mobile Systems	48
KECT 0160	Federal Regulations	24
KET2 0281	FCC License Preparation	48
KWRK 0515	Job-Seeking Skills	15
Total Program Hours		**1,305**

Electronics Engineering Technician

COURSES & HOURS

KET2 0128	Electronics Math I	72
KET2 0129	Electronics Math II	72
KET2 0135	DC Fundamentals	72
KET2 0136	DC Circuits	72
KET2 0147	AC Fundamentals	72
KET2 0148	AC Circuits	72
KET2 0158	Analog I - Analog Devices	96
KET2 0159	Analog II - Circuits & Apps.	96
KET2 0168	Digital Fundamentals	96
KET2 0169	Digital Circuits & Apps.	96
KET2 0242	Tech Certification	42
KET2 0171	Microprocessors	96
KET2 0172	Embedded Controllers	96
KEET 0400	Capture & Simulation	72
KEET 0500	Circuit Board Design	72
KWRK 0515	Job-Seeking Skills	15
Total Program Hours		**1,209**

This program provides a solid foundation for students desiring to enter the electronics engineering technician field. The program covers the basic theory, laws, and circuits, ad fundamentals of AC/DC, solid-state and digital electronics. Students learn how to use various test equipment and the program covers electronic components, how they function, and how to test devices. Introduction modules of troubleshooting techniques, schematic symbols and diagrams are used to enable students to learn the skills required. Students learn the skills required of an electronic engineering technician including microprocessors, embedded controllers, (including software), schematic capture and circuit simulation, and printed circuit board design using software.

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 17-3023.01 Electronics Engineering Technicians

QUICK FACTS

Location:
Taylorsville Redwood
Westpointe

Program Hours:
1,209

Application Fee:
$40.00

Total Tuition:
$2,309.19

Total Student Fee:
$181.35

Total Lab Fee:
$100.00

Books/Supplies:
$920.00

Financial Aid:
Pell, (VA pending)

Information current at time of printing.

Electronics Technician

QUICK FACTS

Location:
Taylorsville Redwood
Westpointe

Program Hours:
1,165

Application Fee:
$40.00

Total Tuition:
$2,225.15

Total Student Fee:
$174.75

Total Lab Fee:
$50.00 - $80.00

Books/Supplies:
$920.00

Financial Aid:
Pell, VA

Information current at time of printing.

This program provides a solid foundation for students desiring to enter the electronics technician field. The program covers the basic theory, laws, circuits, and fundamentals of AC/DC, solid-state and digital electronics. Students learn modern assembly and soldering techniques such as surface-mount and ceramic-soldering techniques. In addition, the student will learn how to use various test equipment for trouble-shooting and repair of electronic circuits. This course covers electronic components, how they function, and how to test devices.

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 17-3024.00 Electro-Mechanical Technician
- 49-2011.00 Computer, Automated Teller, and Office Machine Repairer
- 49-2094.00 Electrical and Electronics Repairer, Commercial and Industrial Equipment
- 49-2097.00 Electronic Home Entertainment Equipment Installers and Repairers
  49-9062.00 Medical Equipment Repairer

COURSES & HOURS

KET2 0100 Basic Computer Literacy	16
KELA 0172 IPC-A-610E Cert IPC Spec	36
KELA 0151 Univ. Assembly & Repair	72
KELA 0161 Surface Mount Technology	72
KET2 0128 Electronics Math I	72
KET2 0129 Electronics Math II	72
KET2 0135 DC Fundamentsl	72
KET2 0136 DC Circuits	72
KET2 0147 AC Fundamentals	72
KET2 0148 AC Circuits	72
KET2 0158 Analog I - Analog Devices	96
KET2 0159 Analog II - Circuits & Apps.	96
KET2 0168 Digital Fundamentals	96
KET2 0169 Digital Circuits & Apps.	96
KET2 0242 Technician Certification	42
KWRK 0515 Job-Seeking Skills	15
Choose one:	
KET2 0220 Cooperative Externship	96
KEMA 0167 IPC J-STD 001E Cert.	36
and	
KEMA 0168 IPC/WHMA-A-620 Cert.	64
KET2 0171 Microprocessor	96
KET2 0172 Embedded Controllers	96
KET2 0173 Troubleshooting	96
KEET 0100 LabVIEW Basics	96
KECT 0120 RF Communications	96
KET2 0250 Prog. Logic Controllers	96
Total Program Hours	**1,165**

HEALTH CARE TECHNOLOGY

Certified Nursing Assistant

QUICK FACTS

Location:
Meadowbrook

Program Hours:
122

Application Fee:
$40.00

Total Tuition:
$233.02

Total Student Fee:
$18.30

Total Lab Fee:
$20.00

Books/Supplies:
$230.00

Financial Aid:
VA

Information current at time of printing.

This program is designed to provide students with the skills necessary to meet the State of Utah nursing assistant certification requirements. Students completing the program will learn the responsibilities of a certified nursing assistant to provide for the physical, physiological, and psychological needs of the patient within a hospital or long-term facility. The curriculum includes an overall introduction to human relations, anatomy, physiology, and bacteriology, as well as consideration of body mechanics, disease processes, and therapeutic approaches used to arrest or contain them. Universal precautions are taught throughout the program, and emphasis is placed on the need to protect the patient, as well as the nursing assistant.

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 31-1011.00 Home Health Aids
- 31-1012.00 Nursing Aids, Orderlies, and Attendants
- 31-1013.00 Psychiatric Aid
- 31-2022.00 Physical Therapist Aid
- 39-9021.00 Personal and Home Care Aids

COURSES & HOURS

KCNA 0100 Patient Care, Theory	74
KCNA 0110 Skills Lab	20
KCNA 0120 Patient Care, Long-Term	16
KCNA 0140 Patient Care, Acute	12
Total Program Hours	**122**

Standalone Course Offerings:

KCNA 0010 CPR for Health Care Pros	4
KNNA 0100 Nutrition Assistant	20

Clinical Lab Assistant

COURSES & HOURS

KAOS 0110 Beginning Keyboarding	20
KAOS 0170 Computer Concepts	30
KCMA 0105 Work. in Health Environ.	70
KCMA 0065 Med. Office Comm. Rec.	55
KCMA 0115 Medical Assist. Proc. I	95
KCMA 0125 Med. Assist. Proc. II	60
KWRK 0515 Job-Seeking Skills	15
Total Program Hours	**345**

Clinical lab assistants specialize in conducting medical tests on specimens and samples. Lab assistants work in clinics, doctor's offices, and hospitals, performing various laboratory and clinical tasks. Clinical tasks may include taking medical histories and recording vital signs, explaining procedures, preparing patients for procedures, and assisting physicians during blood drawings and sample collections. Laboratory tasks may include preparing and analyzing specimens, performing basic tests, disposing of contaminated supplies, and sterilizing medical instruments. This program will prepare you to work as a clinical lab assistant.

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 29-2012.00 Medical and Clinical Laboratory Technicians

QUICK FACTS

Location:
Highland

Program Hours:
345

Application Fee:
$40.00

Total Tuition:
$658.95

Total Student Fee:
$51.75

Total Lab Fee:
$130.00

Books/Supplies:
$414.00

Financial Aid:
VA

Information current at time of printing.

Clinical Medical Assisting

QUICK FACTS

Location:
Highland

Program Hours:
950

Application Fee:
$40.00

Total Tuition:
$1,814.50

Total Student Fee:
$142.50

Total Lab Fee:
$130.00

Books/Supplies:
$414.00

Financial Aid:
Pell, VA

Information current at time of printing.

Clinical medical assistants work in clinics, doctor's offices, and hospitals, performing routine clinical tasks. Clinical duties may include taking medical histories, recording vital signs, explaining procedures, preparing patients for examinations, and assisting physicians during the exams.

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 31-9092.00 Medical Assistants

COURSES & HOURS

KAOS 0110 Beginning Keyboarding	20
KAOS 0170 Computer Concepts	30
KCMA 0105 Work. in Health Environ.	70
KCMA 0065 Med. Office Comm. Rec.	55
KCMA 0115 Med. Assist. Procedures I	95
KCMA 0125 Med. Assist. Procedures II	60
KCMA 0135 Med. Assist. Proced. III	110
KCMA 0165 Intro. to Insur/Billing Pro.	40
KCMA 0200 Assist. w/Office Proc.	220
KCMA 0420 Final Review & Cert. Prep.	10
KAOS 0250 Cust. Service Life Skills	60
KWRK 0515 Job-Seeking Skills	15
KCMA 0431 Med. Assist. Externship	165
Total Program Hours	**950**

Health Information Specialist

COURSES & HOURS

KAOS 0135 Comp. Keyboarding/SKB	120
KAOS 0145 Basic Ten-Key	25
KAOS 0170 Computer Concepts	30
KAOS 0185 Basic Word Processing	40
KAOS 0215 Basic Business Comm.	40
KAOS 0250 Cust. Service Life Skills	60
KWRK 0515 Job-Seeking Skills	15
KMCB 0110 Medical Filing	15
KMCB 0120 Medical Terminology	30
KMCB 0140 Medical Office Software	70
KMCB 0155 Electronic Health Rec.	40
KMCB 0250 Med. Office Procedures	40
KMCB 0240 Cooperative Externship 2	120
Total Program Hours	**645**

This program prepares students to work in the medical records offices of hospitals, larger medical clinics, doctors' offices, and insurance companies. It provides basic clerical training in computer concepts, Windows, Internet, e-mail, medical filing, keyboarding, word processing, ten-key, medical terminology, medical accounting/patient scheduling, and ICD-9 coding. Special emphasis is placed on customer service and life skills training. This curriculum includes a 120-hour cooperative externship at a medical facility in the medical records department.

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 43-6013.00 Medical Secretary

QUICK FACTS

Location:
South City

Program Hours:
645

Application Fee:
$40.00

Total Tuition:
$1,231.95

Total Student Fee:
$96.75

Total Lab Fee:
$62.50

Books/Supplies:
$460.00

Financial Aid:
Pell, VA

Information current at time of printing.

Health Unit Clerk/Coordinator

QUICK FACTS

Location:
South City

Program Hours:
203

Application Fee:
$40.00

Total Tuition:
$387.73

Total Student Fee:
$30.45

Total Lab Fee:
$10.00

Books/Supplies:
$242.00

Financial Aid:
VA

Information current at time of printing.

This program prepares students to work at nursing stations in a hospital or in other medical office situations which deal with patient care records. Students learn to transcribe doctors' orders using basic knowledge of anatomy, physiology, medical terminology, and abbreviations. Keyboarding skills, use of the computer, and communication skills are included in the program. Students learn on a computer simulation program to order daily diets, laboratory tests, and other diagnostic tests; order medication; maintain and organize patient charts; and perform non-clinical tasks for patient admissions, transfer, discharge, preoperative and postoperative procedures. Students learn how to maintain the nursing unit supplies; communicate effectively with patients, visitors, and professional health care teams; and operate the nursing unit communications systems (i.e., computer terminal, telephone, intercom, pagers).

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 43-6013.00 Medical Secretary

COURSES & HOURS

KAOS 0110 Beginning Keyboarding	20
KAOS 0170 Comp. Concepts/Windows	30
KHUC 0190 Health Unit Coordinating	60
KHUC 0210 Cooperative Externship	78
KWRK 0515 Job-Seeking Skills	15
Total Program Hours	**203**

Medical Coding & Billing

COURSES & HOURS

KAOS 0125 Begin/BasicKeyboarding	80
KAOS 0145 Basic Ten-Key	25
KAOS 0170 Computer Concepts	30
KAOS 0185 Basic Word Processing	40
KAOS 0225 Inter. Business Comm.	58
KACT 0125 Comp. Spreadsheets	80
KAOS 0250 Cust. Serv. Life Skills	60
KWRK 0515 Job-Seeking Skills	15
KMCB 0110 Medical Filing	15
KMCB 0120 Medical Terminology	30
KMCB 0130 Anatomy	40
KMCB 0140 Medical Office Software	70
KMCB 0200 Outpatient Med. Coding	150
KMCB 0220 Med. Insurance/Pharma.	40
KMCB 0210 Cooperative Externship 1	80
Total Program Hours	**813**

This program prepares students to work in the outpatient medical coding areas of hospitals, larger medical clinics, and doctors' offices. It provides basic clerical training in computer concepts, Internet, e-mail, keyboarding/skill building, word processing, ten-key, medical filing, medical terminology, insurance billing, medical accounting/patient scheduling software, outpatient coding, and spreadsheets. Emphasis is placed on customer service and life skills.

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 29-2071.00 Medical Records and Health Information Technicians
- 43-3021.02 Billing Cost and Rate Clerk

QUICK FACTS

Location:
South City

Program Hours:
813

Application Fee:
$40.00

Total Tuition:
$1,552.83

Total Student Fee:
$121.95

Total Lab Fee:
$166.50

Books/Supplies:
$1,146.00

Financial Aid:
Pell, VA

Information current at time of printing.

Medical Office Administration

QUICK FACTS

Location:
Highland

Program Hours:
910

Application Fee:
$40.00

Total Tuition:
$1,738.10

Total Student Fee:
$136.50

Total Lab Fee:
$47.50

Books/Supplies:
$794.00

Financial Aid:
Pell, VA

Information current at time of printing.

The Medical Office Administration program prepares students to work in many different businesses in the health care industry including doctor's offices, clinics, and hospitals. Medical office administrative assistants help with many business functions, such as storing, retrieving, and integrating information for staff and patients, assisting with patient intakes, basic accounting and insurance filing, general record keeping and file maintenance, and other front-office tasks.

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 43-1011.00 First-Line Supervisors/Managers of Office and Administrative Support Workers

COURSES & HOURS

KAOS 0135 Comp. Keyboarding/SKB	120
KAOS 0170 Computer Concepts	30
KAOS 0185 Basic Word Processing	40
KAOS 0245 Comp. Business Comm.	90
KAOS 0145 Basic Ten-Key	25
KACT 0115 Basic Spreadsheet	40
KMOA 0120 Medical Law & Ethics	60
KMOA 0130 Psych. for Healthcare	30
KMOA 0111 Medical Terminology	70
KMOA 0145 Anatomy & Physiology	50
KMOA 0155 Med. Office Procedures 1	60
KMOA 0170 Med. Office Procedures 2	60
KMOA 0180 Med. Office Procedures 3	60
KMOA 0100 First Aid/CPR	10
KAOS 0250 Cust. Service/Life Skills	60
KMOA 0210 Med. Office Externship	90
KWRK 0515 Job-Seeking Skills	15
Total Program Hours	**910**

Phlebotomy Technician

COURSES & HOURS

KAOS 0110 Beginning Keyboarding	20
KAOS 0170 Computer Concepts	30
KCMA 0105 Work. in Health Environ.	70
KCMA 0065 Med. Office Comm. Rec.	55
KCMA 0115 Medical Assist. Proc. I	95
KWRK 0515 Job-Seeking Skills	15
Total Program Hours	**285**

Phlebotomy is the drawing of blood for transfusion, diagnosis, or experiment, especially in the treatment of sickness or disease. Phlebotomists work in clinics, doctor's offices, hospitals, and laboratories performing routine tasks revolving around the drawing of blood. A phlebotomist may be responsible for taking medical histories, vital signs, explaining procedures, obtaining blood samples, preparing the blood sample for testing, disposing of contaminated supplies and perhaps sterilizing reusable items.

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 31-9092.00 Medical Assistants
- 31-9099.99 Health Care Support Workers

QUICK FACTS

Location:
Highland

Program Hours:
285

Application Fee:
$40.00

Total Tuition:
$544.35

Total Student Fee:
$42.75

Total Lab Fee:
$60.00

Books/Supplies:
$414.00

Financial Aid:
VA

Information current at time of printing.

MANUFACTURING TECHNOLOGY

Manual Machinist

QUICK FACTS

Location:
Taylorsville Redwood

Program Hours:
450

Application Fee:
$40.00

Total Tuition:
$859.50

Total Student Fee:
$67.50

Total Lab Fee:
$60.00

Books/Supplies:
$173.00

Financial Aid:
VA

Information current at time of printing.

This program prepares students for skilled positions as an entry-level manual machinist. Manual machinists are individuals who are able to set up and operate a variety of machine tools to produce precision parts and instruments. Students will learn through hands-on projects and computer-assisted instruction, the basic skills needed to fabricate, modify, or repair mechanical and/or precision instruments. Employment may also include fabricating and modifying parts to make or repair machine tools or maintain industrial machines.

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 51-4041.00 Machinists
- 51-4081.01 Combination Machine Tool Setters and Set-Up Operators, Metal and Plastic

COURSES & HOURS

KMAT 0010 Machine Shop Intro.	25
KMAT 0050 Blueprint Reading	50
KMAT 0105 Basic Mill	60
KMAT 0155 Advanced Mill	60
KMAT 0205 Basic Lathe	60
KMAT 0250 Advanced Lathe	60
KMAT 0305 Basic Grinding	60
KMAT 0355 Advanced Grinding	60
KWRK 0515 Job-Seeking Skills	15
Total Program Hours	**450**

Welding

COURSES & HOURS

KWLD 0115 Intro. Weld. Lab & Safety	10
KWLD 0125 Oxy-Acetylene (OAW)	100
KWLD 0135 Shielded-Met. Arc	360
KWLD 0145 Gas-Metal Arc (GMAW)	160
KWLD 0165 Blueprint Read. for Weld.	100
KWLD 0170 Flux-Cored Arc (FCAW)	170
KWLD 0180 Gas-Tungsten Arc	140
KWLD 0190 Math for Welders	100
KWLD 0290 Employment Workshop	0-10
Total Program Hours	**1,140**

Students enrolled in this program are provided with opportunities to learn entry-level-job skills in the welding processes most commonly used in today's industries. Instruction and practice are provided in oxy-acetylene, shielded-metal-arc, gas-metal-arc, flux-cored-arc and gas-tungsten-arc welding. Theory and applications of these processes are also taught, encompassing both ferrous and non-ferrous metals. Safety and safe practices are emphasized throughout the program. Additional instruction is provided in mathematics for welding and blueprint reading. Students will have the opportunity to learn techniques for welder performance qualifications and certification testing. Thermal cutting and gouging techniques using oxy-fuel, plasma-arc and arc-air processes are also covered.

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 51-4121.01 Welders, Production
- 51-4121.02 Welders and Cutters

QUICK FACTS

Location:
Taylorsville Redwood

Program Hours:
1,140

Application Fee:
$40.00

Total Tuition:
$2,177.40

Total Student Fee:
$171.00

Total Lab Fee:
$200.00

Books/Supplies:
$506.00

Financial Aid:
Pell, VA

Information current at time of printing.

MEDIA & WEB DESIGN TECHNOLOGY

Graphic Designer

QUICK FACTS

Location:
South City

Program Hours:
645

Application Fee:
$40.00

Total Tuition:
$1,231.95

Total Student Fee:
$96.75

Total Lab Fee:
$80.00

Books/Supplies:
$350.00

Financial Aid:
Pell, VA

Information current at time of printing.

In the Graphic Design Program, students learn to communicate with employees, customers, and other businesses through printed material, websites, electronic presentations, videos and other related media. This program is designed to provide the student with a thorough understanding of the skills and visual literacy needed for employment in the graphic design media industry. The courses will cover visual language, composition, typography, photography, color, and graphic communication. This program provides comprehensive training in software applications and skills to prepare students for employment requiring design responsibilities in a variety of organizational settings.

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 27-1024.00 Graphic Designers

COURSES & HOURS

KMDT 0020 Graphic Design App.	90
KMDT 0031 Design Principles	90
KMDT 0311 Image Editing	90
KMDT 0040 Computer Illustration	90
KMDT 0320 Desktop Publishing App.	90
KMDT 0171 Electronic Portfolio	90
KWRK 0515 Job-Seeking Skills	15
Choose at least 90 hours:	
KMDT 0220 Web Programming Intro.	90
KMDT 0140 Web Design Animation	90
KMDT 0010 Media Design Introduction	90
KMDT 0300 Desktop Publishing Fund.	90
KMDT 0520 Video Production I	90
Total Program Hours	**645**

Media Design Technology

COURSES & HOURS

KMDT 0010 Media Design Introduction	90
KMDT 0020 Graphic Design App.	90
KMDT 0031 Design Principles	90
KMDT 0311 Image Editing	90
KMDT 0040 Computer Illustration	90
KMDT 0111 Web Design Fund.	120
KWRK 0515 Job-Seeking Skills	15
Choose at least 690 hours:	
KMDT 0101 Design & Internet Tech.	90
KMDT 0120 Web Design Authoring	120
KMDT 0140 Web Design Animation	90
KMDT 0171 Electronic Portfolio	90
KMDT 0205 Interactive Media Scripting	90
KMDT 0210 Web Developer Final Proj.	90
KMDT 0220 Web Programming Intro.	90
KMDT 0230 Web App. Scripting I	120
KMDT 0240 Web App. Scripting II	120
KMDT 0300 Desktop Publishing Fund.	90
KMDT 0320 Desktop Publishing App.	90
KMDT 0520 Video Production I	90
Total Program Hours	**1,275**

Businesses continually communicate with employees, customers, and other businesses. The communication is done through printed material, websites, electronic presentations, videos, and other related media. The Media Design Technology program will teach you how to use leading computer applications to prepare these messages. This program also teaches the theory and fundamentals of developing effective communication pieces in each media format. You can choose to focus on one particular discipline or learn skills in several different multimedia fields in preparation for employment in skilled or semi-skilled positions.

Students in this program choose one or more tracks depending on what areas they would like to make their specialties. See the instructor for additional information.

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 27-1014.00 Multi-Media Artists and Animators

QUICK FACTS

Location:
South City

Program Hours:
1,275

Application Fee:
$40.00

Total Tuition:
$2,435.25

Total Student Fee:
$191.25

Total Lab Fee:
$130.00

Books/Supplies:
$500.00

Financial Aid:
Pell, VA

Information current at time of printing.

Web Programmer

QUICK FACTS

Location:
South City

Program Hours:
675

Application Fee:
$40.00

Total Tuition:
$1,289.25

Total Student Fee:
$101.25

Total Lab Fee:
$55.00-70.00

Books/Supplies:
$408.00

Financial Aid:
Pell, VA

Information current at time of printing.

This program covers basic and advanced scripting and programming skills needed to create web sites and applications that are dynamic, data-driven, and interactive. The courses include techniques to build web sites that ensure functionality, security, and ease of use. Instruction includes debugging, validating, cookies, sessions, server and client-side issues. The Web Programmer certificate is designed to provide you with comprehensive training in scripting, software applications, and skills to prepare you for employment doing web programming tasks in a variety of organizational settings.

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 15-1099.04 Web Developers
- 15-1021.00 Computer Programmers

COURSES & HOURS

KMDT 0010 Media Design Intro.	90
KMDT 0111 Web Design Fund.	120
KMDT 0120 Web Design Authoring	120
KMDT 0230 Web App. Scripting I	120
KMDT 0240 Web App. Scripting II	120
KWRK 0515 Job-Seeking Skills	15
Choose at least 90 hours:	
KMDT 0031 Design Principles	90
KMDT 0171 Electronic Portfolio	90
KMDT 0140 Web Design Animation	90
KMDT 0205 Interactive Media Script.	90
KMDT 0311 Image Editing	90
KMDT 0020 Graphic Design App.	90
KMDT 0210 Web Developer Final Proj.	90
KMDT 0300 Desktop Publishing Fund.	90
Total Program Hours	675

Web Site Designer

COURSES & HOURS

KMDT 0020 Graphic Design App.	90
KMDT 0031 Design Principles	90
KMDT 0311 Image Editing	90
KMDT 0120 Web Design Authoring	120
KMDT 0140 Web Design Animation	90
KMDT 0171 Electronic Portfolio	90
KWRK 0515 Job-Seeking Skills	15
Choose at least 90 hours:	
KMDT 0040 Computer Illustration	90
KMDT 0205 Interactive Media Script.	90
KMDT 0220 Web Programming Intro.	90
KMDT 0300 Desktop Publishing Fund.	90
KMDT 0101 Design & Internet Tech.	90
Total Program Hours	**675**

Businesses continually communicate with employees, customers, and other businesses through printed material, web sites, electronic presentations, videos, and other related media. This program is designed to provide you with the necessary skills to design, create, and publish dynamic interactive web sites using the latest web design authoring software. The courses will provide you with skills to produce professional user-friendly web sites that will incorporate efficiency of design, and ease of maintenance. The Web Site Designer program provides comprehensive training in software applications and skills to prepare you for employment doing web design tasks in a variety of organizational settings.

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 15-1099.04 Web Developers

QUICK FACTS

Location:
South City

Program Hours:
675

Application Fee:
$40.00

Total Tuition:
$1,289.25

Total Student Fee:
$101.25

Total Lab Fee:
$40.00-55.00

Books/Supplies:
$357.00

Financial Aid:
Pell, VA

Information current at time of printing.

Professional Truck Driving

QUICK FACTS

Location:
Meadowbrook

Program Hours:
240

Application Fee:
$40.00

Total Tuition:
$458.40

Total Student Fee:
$36.00

Total Lab Fee:
$1,950.00

Books/Supplies:
$87.00

Financial Aid:
VA

Information current at time of printing.

This intensive program is designed to prepare students for an entry-level truck driving position as a Class "A" CDL driver. The program has two courses with units of study that cover basic and advanced operating practices, defensive driving, inspections, life skills and essential activities such as trip planning, map reading, hours of service, cargo handling and an employment workshop.

COURSES & HOURS	
KPDR 0500 Truck Driving/Class A	225
KWRK 0515 Job-Seeking Skills	15
Total Program Hours	**240**

Stand-Alone Course Offerings:	
KCDL 0100 CDL Learner's Permit	16
KCDL 0120 CDL Upgrade	80

SKILLED SERVICE TECHNOLOGY

Air Conditioning/Heating/Refrigeration

QUICK FACTS

Location:
Meadowbrook

Program Hours:
960

Application Fee:
$40.00

Total Tuition:
$1,833.60

Total Student Fee:
$144.00

Total Lab Fee:
$100.00

Books/Supplies:
$885.00

Financial Aid:
Pell, VA

Information current at time of printing.

This is an entry-level program for prospective technicians and is designed to prepare students for future employment in the heating, ventilation, air conditioning, refrigeration (HVACR) industry.

The program consists of 6 major sections with required core training courses and elective courses designed to allow students to determine which area of the HVACR industry they would like to specialize in.

Throughout training students will be given the opportunity to demonstrate, thereby certifying, their skills by participating in nationally recognized tests which provide "Employment Ready" certifications.

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 49-9021.00 Heating, Air Conditioning, Refrigeration Mechanics and Installers
- 49-9021.01 Heating and Air Conditioning Mechanics
- 49-9021.02 Refrigeration Mechanics

COURSES & HOURS

KACC 0100 Safety Fundamentals	20
KACC 0105 Green Energy Systems	40
KACC 0200 Fund. of Electricity	180
KACC 0220 Electrical Applications	140
KACC 0230 HVAC Fundamentals	20
KACC 0240 App. Combustion Theory	80
KACC 0250 App. Refrigeration Theory	70
KACC 0260 Automotive A/C Service	10
KACC 0300 Residential HVAC Sys.	160
KACC 0290 Employment Workshop	0-10
Choose Two:	
KACC 0400 Lt. Commercial HVAC Sys.	80
KACC 0420 Commercial HVAC Sys.	80
KACC 0440 Commercial Heat/Refrig.	80
Choose One:	
KACC 0500 Capstone Project	80
KACC 0990 HVAC Externship	80-240
Total Program Hours	**960**

Heavy Duty Diesel Maintenance Technician

COURSES & HOURS

KBA1 0102 Basic Computer Skills	30
KMTH 0010 Math I	60
KVHT 0005 Heavy Duty Brakes	90
KVHT 0010 Prev. Maint. & Inspection	90
KVHT 0015 Suspension and Steering	120
KVHT 0035 Safety and Shop Skills	60
KWRK 0400 Workplace Relations	60
KWRK 0515 Job-Seeking Skills	15
Total Program Hours	**525**

The Heavy Duty Diesel Maintenance program prepares students for entry-level positions in diesel equipment service and repair shops. Students learn basic safety and shop skills to perform preventive maintenance and inspections, repair different brake systems, and adjust and maintain suspension and steering systems. Students are required to learn basic computer and math skills needed in the service environment.

Occupations in this Area

For state and national occupation information, visit http://online.onetcenter.org/find/and enter the following O*Net code(s):

- 49-3031.00 Bus and Truck Mechanics and Diesel Engine Specialists
- 49-3042.00 Mobile Heavy Equipment Mechanics

QUICK FACTS

Location:
Meadowbrook

Program Hours:
525

Application Fee:
$40.00

Total Tuition:
$1,002.75

Total Student Fee:
$78.75

Lab Fee:
$80.00

Books/Supplies:
$288.00

Financial Aid:
VA

Information current at time of printing.

COURSE ABBREVIATIONS

Course Numbering Information:
Courses at SLCC are identified by an alphabetic prefix (two to four letters) followed by a four-digit number. Numbers beginning with a "1" generally indicate a course designed primarily for freshmen (such as ENGL 1010); numbers beginning with a "2" generally indicate courses designed primarily for sophomores (such as MATH 2010); numbers beginning with a "0" generally indicate preparatory courses that are non-transferable (such as WRTG 0990).

ACCT	Accounting
ACR	Automotive and Related Technologies
AERO	Aerospace (Air Force ROTC)
AMTT	Aerospace/Aviation Maintenance
ANTH	Anthropology
APPR	Apprenticeship
AR	Auto Repair
ARB	Arabic
ARCH	Architectural Technology
ART	Visual Art and Design
ARTH	Art History
ASL	American Sign Language
AUTO	Automotive and Related Technologies
AVAD	Aviation Administration
BIOL	Biology
BLA	Brick Mason JATC Technology
BMAN	Biomanufacturing
BRC	Barbering/Cosmetology
BTEC	Biotechnology
BUS	Business
CCLA	Construction Craft Laborer JATC Tech.
CEAL	Transition to Teaching (CE)
CEAT	CDL Tester Training (CE)
CEBC	Small Business Development (CE)
CEBI	Business Networking (CE)
CECD	Computerized Drafting (CE)
CECT	Construction Training (CE)
CECW	Computer Workshops (CE)
CEDM	Digital Media (CE)
CEEI	Personal Enrichment (CE)
CEEM	Energy Management (CE)
CEEN	Civil/Environmental Engineering
CEEU	Early Childhood Education (CE)
CEGC	Green Construction (CE)
CEGN	Genealogy (CE)
CEHI	Health Information Technology (CE)
CEHS	Health Science (CE)
CEHW	Health & Wellness (CE)
CEHZ	Photovoltaic Systems (CE)
CEIB	International Business (CE)
CEIP	Institute for Public Safety (CE)
CELN	Lineman Training (CE)
CELS	Library Services (CE)
CEMA	Medical Coding (CE)
CEMS	Notary Training (CE)
CEPD	Welding, Wiring & Hydraulics (CE)
CEPL	CLA Exam Preparation (CE)
CEPT	Pharmacy Technician Exam Prep (CE)
CEPW	Personal Enrichment (CE)
CERE	Real Estate (CE)
CESB	Family Child Care Business (CE)
CESG	Energy Sector Training (CE)
CESO	Exploring Sonography (CE)
CESP	Energy Sector Partnerships (CE)
CESS	UHP Inspection Training (CE)
CEST	Employment Skills Training (CE)
CESU	CNG Conversions & Inspection (CE)
CETG	Personal Enrichment (CE)
CETR	UDOT Transportation Training (CE)
CETS	Health Information Technology (CE)
CEWB	Women in Business (CE)
CHE	Chemical Engineering
CHEF	Culinary Arts
CHEM	Chemistry

CHI	Chinese
CIS	Computer Information Systems
CJ	Criminal Justice
CMA	Cement Mason JATC Technology
CMGT	Construction Mgt / Sustainable Building
CMI	Cement Mason Independent Tech.
COMM	Communication
CPA	Carpentry JATC Technology
CPE	Computer Engineering
CPI	Carpentry Independent Technology
CPS	Creative Problem Solving
CS	Computer Science
CSIS	Computer Sciences & Information Sys.
CTEL	CTE Leadership & Teambuilding
DANC	Dance
DE	Developmental Education
DH	Dental Hygiene
DISP	Aircraft Dispatcher
DMS	Diagnostic Medical Sonography
DST	Diesel Systems Technology
DSTA	Diesel Systems JATC Technology
EBT	eBusiness Technology
ECON	Economics
EDDT	Engineering Drafting and Manu. Tech.
EDU	Education
EE	Electrical Engineering
EGMT	Energy Management
ELI	Electrical Independent Technology
ELTA	Electrical JATC Technology
ELTR	Electronics Technology
ENGL	English
ENGR	Engineering
ENVT	Environmental Technology
ESL	English as a Second Language, Level 4
EST	Esthetics
ETHS	Ethnic Studies
EVNT	Event Management
FA	Fine Arts
FASH	Fashion Design
FHS	Family & Human Studies
FIN	Finance and Credit
FLM	Film
FMTA	Facilities Maintenance JATC Technology
FRN	French
GEN	Genealogy
GEO	Geology
GEOG	Geography
GER	German
HCCA	Heavy Civil Carpenter JATC Technology
HIST	History
HIT	Health Information Technology
HLAC	Health & Lifetime Activities
HLTH	Health
HS	Health Science
HSS	Human Services Specialist
HUMA	Humanities
HVAC	Heating, Ventilation, and Air Cond.
IND	Industry Training
INTD	Interior Design
INTL	International Studies
INTR	ASL/English Interpreting
ISA	Ironworkers JATC Technology
ITL	Italian
JPN	Japanese
KABM	Basic Math (SAT)
KABR	Basic Reading (SAT)
KACC	Heating, Ventilation, & Air Cond. (SAT)
KACK	Computer Skills (SAT)
KACT	Accounting Skills (SAT)
KALL	Integrated Learning Lab (SAT)
KAOS	Office Skills (SAT)
KATO	Automotive (SAT)
KBA1	Basic Skills (SAT)
KBA2	Basic Skills (SAT)
KCDL	CDL Training (SAT)
KCMA	Clinical Medical Assisting (SAT)
KCMS	Computer Support (SAT)
KCNA	Certified Nursing Assistant (SAT)
KECT	Electronics Technology (SAT)
KEET	Electronics Engineering Tech. (SAT)
KELA	Electronics (SAT)
KEMA	Electromechanical Assembly (SAT)
KESL	Engl. as a Second Lang., Levels 1-3 (SAT)
KET2	Electronics (SAT)

KFLT	Fork Lift Training (SAT)
KFND	Computer Foundations (SAT)
KGED	General Educational Development (SAT)
KHUC	Health Unit Coordinator (SAT)
KHVT	Heavy Duty Diesel (SAT)
KLCK	Line Cook (SAT)
KMAT	Manual Machining (SAT)
KMCB	Medical Coding and Billing (SAT)
KMCP	Medical Computer Skills (SAT)
KMDT	Media Design Technology (SAT)
KMOA	Medical Office Administration (SAT)
KMTH	Basic Math (SAT)
KNIT	Network Infrastructure Tech. (SAT)
KNNA	Nutrition Assistant (SAT)
KNWE	Network Engineering Technology (SAT)
KOFC	Office Clerk (SAT)
KOLL	Open Learning Lab (SAT)
KPDD	Delivery Driver (SAT)
KPDR	Professional Truck Driver (SAT)
KTSS	Entry-level Business Skills (SAT)
KVSL	Vocational ESL (SAT)
KWLD	Welding Technology (SAT)
KWRK	Workplace Skills (SAT)
LAND	Landscape JATC Technology
LE	Learning Enhancement
LINE	Lineman Apprentice
LIS	Library & Information Science
MA	Medical Assistant
MATH	Mathematics
MCCT	Machining CAD/CAM Technology
MEEN	Mechanical Engineering
MET	Meteorology
METE	Meter Apprentice
MGT	Management
MKTG	Marketing Management
MLS	Military Science (Army ROTC)
MORT	Mortuary Science
MOTO	Motorcycle/Outdoor Pwr Equip Tech
MSE	Materials Science Engineering
MUSC	Music
NAV	Navajo
NDT	Non-Destructive Testing Technology
NSG	Nursing
OTA	Occupational Therapy Assistant
PED	Paraeducation
PFA	Plumber/Pipefitter JATC Technology
PHAR	Pharmacy Technician
PHIL	Philosophy
PHYS	Physics
PILT	Aviation Technology/Professional Pilot
PLI	Plumbing Independent Technology
PLS	Paralegal Studies
POLS	Political Science
POR	Portuguese
PSY	Psychology
PTA	Physical Therapist Assistant
RADS	Radiologic Technology
RDG	Reading
RFA	Refrigeration JATC Technology
RUS	Russian
SAM	Samoan
SHA	Stagehands JATC Technology
SOC	Sociology
SPN	Spanish
SUBE	Substation Apprentice
SURG	Surgical Technology
SVT	Geomatics (Surveying)
SW	Social Work
TECH	Technology
THEA	Theater
TNG	Tongan
TRVL	Travel Planner
VOC	Visual Art Co-op Education
WLD	Welding
WLDA	Welding JATC Technology
WRTG	Writing

ACCT 1110 – Financial Accounting I **3 cr**
An introduction to the concepts and methods underlying the preparation of financial statements using generally accepted accounting principles. Topics covered include the accounting cycle, cash and inventories.

ACCT 1115 – Financial Accounting I Workshop **1 cr**
Coreq: ACCT 1110. An optional supplement to ACCT 1110. It will review topics covered in ACCT 1110 including the accounting cycle, cash, and inventories.

ACCT 1120 – Financial Accounting II **3 cr**
Prereq: ACCT 1110. Continuation of concepts and methods used in preparation of financial statements using generally accepted accounting principles. Includes long-term assets, liabilities, business entities, statement of cash flow and financial statement analysis.

ACCT 1125 – Financial Accounting II Workshop **1 cr**
Coreq: ACCT 1120. An optional supplement to ACCT 1120. It will review topics covered in ACCT 1120 including receivables, plant and equipment, liabilities and business entities.

ACCT 1280 – Accounting Information Systems I **3 cr**
Prereq: ACCT 1110 and CIS 2410, or both concurrently. An applications approach to classifying, recording, summarizing and reporting transactions encountered in a typical business. Payroll and payroll tax reporting will also be emphasized using both manual and computerized systems.

ACCT 2000 – Accounting CO-OP Education **1 - 4 cr**
Prereq: Complete 2 semesters in the Accounting program. Offers supervised work experience in an industrial or governmental environment related to accounting. Credit is awarded for successful completion of specific learning objectives that provide new learning related to accounting.

ACCT 2010 – Survey of Financial Accounting **3 cr**
A broad view of accounting's role in providing information to external users of financial information. This primary focus is the use of financial statements by investors, creditors, and other entities outside of the organization.

ACCT 2015 – Survey Financial Accounting Workshop **1 cr**
Coreq: ACCT 2010. An optional supplement to ACCT 2010. It will review topics covered in ACCT 2010 with a primary focus on the use of financial statements by investors, creditors, and other entities outside of the organization.

ACCT 2020 – Managerial Accounting **3 cr**
Prereq: ACCT 1110 or ACCT 2010 and CIS 1020 or competency test. A broad view of accounting's role in providing information to support the internal decision-making organization. The primary focus is management's use of accounting information.

ACCT 2050 – Governmental Accounting **3 cr**
Prereq: ACCT 1110. Covers the essentials of fund accounting, the structure used by governments. Governmental fund types, proprietary fund types, and fiduciary fund types and preparation of financial statements are covered, also not-for-profit Accounting.

ACCT 2310 – Intermediate Accounting I **4 cr**
Prereq: ACCT 1120. Provides an in-depth study of financial theory and practice. Topics include the accounting cycle, financial statement preparation, revenue recognition and income determination, current assets, current liabilities and time value of money.

ACCT 2410 – Intermediate Accounting II **4 cr**
Prereq: ACCT 2310. A continuation of ACCT 2310. Topics include property, plant and equipment, other long-term assets, investments, debt securities, leases, deferred taxes, stockholders equity, and financial statement analysis.

ACCT 2510 – Accounting Information Systems II **3 cr**
Prereq: ACCT 1280. A continuation of ACCT 1280 using a second fully integrated accounting package. The use of electronic spreadsheets in the accounting discipline will also be emphasized.

ACCT 2520 – Federal Income Tax **3 cr**
Prereq: ACCT 1120 or ACCT 2010. Introduction to federal and state income taxation for individuals, corporations and partnerships. The student will become familiar with current income tax laws and preparation of returns for the majority of taxpayers.

ACCT 2530 – Cost Accounting **3 cr**
Prereq: ACCT 2020. Covers the basic principles of cost accounting systems used in manufacturing and service industries. Topics include job order and process cost systems, activity-based costing methods, standard costing, budgeting and reporting.

ACCT 2540 – Accounting in Practice **3 cr**
Prereq: ACCT 2410 or concurrently. Introduces the theoretical and practical applications of preparing accurate and complete accounting records and reports. Principles of internal control and generally accepted accounting principles will be emphasized by participation in relevant case studies.

ACCT 2910 – STUDENTfacturED Internship **2 - 4 cr**
Prereq: ACCT 1110, 1120, and 2020 and instructor approval; or ACCT 2010 and 2020 and instructor approval. Provides contextual, real-world experience, and opportunity to reinforce previously learned concepts, skills, and critical thinking ability related to business and technical job functions typical of biotech manufacturing companies.

ACCT 2990 – Current Topics in Accounting **1 - 3 cr**
Prereq: Variable to topic or project, contact department. Presents a forum where students will be introduced to topics of current interest and demand in the field of accounting. Topics studied will vary from semester to semester. Special project is required.

ACR 1100 – Metallurgy/Nonstructural Parts **5 cr**
Coreq: ACR 1111. This is a course in analysis and repairs of non-structural component parts and assemblies found in the construction of modern unibody and frame type vehicles.

ACR 1111 – Non-structural Skill/Application Development **7 cr**
Coreq: ACR 1100. This is a lab class for repairs of damaged non-structural parts. See ASE task list for more information. It concurs with ACR 1100 theory.

ACR 1199 – Specialty Training **1 - 7 cr**
Prereq: Previous SLCC training and industry experience. Industry specific training for Collision Repair Technicians.

ACR 1200 – Structural Analysis/Damage Repair **5 cr**
Prereq: ACR 1100 and ACR 1111. Coreq: ACR 1211. A course in analysis and repair of structural component parts and assemblies found in the construction of modern unibody and frame type vehicles.

ACR 1211 – Structural Damage Repair **7 cr**
Prereq: ACR 1100 and ACR 1111. Coreq: ACR 1200. developed in the analysis and repair of structural component parts and assemblies found in the construction of modern unibody and frame type vehicles.

ACR 1299 – Specialty Training **1 - 7 cr**
Industry specific specialized training. This course is taught as requested by industry.

AERO 1010 – Foundations of USAF I **1 cr**
Coreq: AERO 1110. This course focuses on development, organization and doctrine of the United States Air Force, emphasizing strategic force requirements.

AERO 1011 – Foundations of USAF II **1 cr**
Coreq: AERO 1111. This class analyzes the development and organization of the United States Air Force, defensive forces, general purpose forces and tactical air forces.

AERO 1110 – General Military Leadership Lab I **1 cr**
Coreq: AERO 1010. This course studies and reviews Air Force standards, customs and courtesies. Students are also introduced to drill and ceremonies in today's Air Force.

AERO 1111 – General Military Leadership Lab II **1 cr**
Coreq: AERO 1011. This course studies and reviews Air Force standards, customs and courtesies. Students are also introduced to drill and ceremonies in today's Air Force.

AERO 2010 – Air Power History I **1 cr**
Coreq: AERO 2110. This course traces the development of various concepts of air power employment, emphasizing factors that have prompted research and technological change.

AERO 2011 – Air Power History II **1 cr**
Coreq: AERO 2111. This course further traces the development of various concepts of air power employment, emphasizing factors that have prompted research and technological change.

AERO 2110 – General Military Leadership Lab III **1 cr**
Coreq: AERO 2010. This course prepares students to apply Air Force standards, customs and courtesies within this service branch. Drill and ceremonies leadership, along with an introduction to review and honors are discussed.

AERO 2111 – General Military Leadership Lab IV **1 cr**
Coreq: AERO 2011. This course examines various Air Force standards, customs and courtesies. Drill and ceremonies leadership, introduction to review and honors also are discussed.

AMTT 1120 – Aircraft Regulations **8 cr**
Coreq: AMTT 1140 when available. Theory and practical application of maintenance forms and records, maintenance publications, fluid lines and fittings, mechanic privileges and limitations, cleaning and corrosion control, weight and balance, and aircraft drawings.

AMTT 1140 – Aircraft Electrical/Hardware **8 cr**
Technical information and laboratory projects necessary for the practical application and understanding of theories, principles and concepts of basic electricity; ground operation and servicing; materials and processes; and basic physics.

AMTT 1160 – Aviation Technician Math **3 cr**
Designed to provide students with training in basic mathematical applications to provide math skills necessary to solve job related problems. Review of basic math, algebra and geometry.

AMTT 1220 – Airframe Systems I **8 cr**
Prereq: AMTT 1120 and AMTT 1140. Technical information and laboratory projects necessary for the practical application and understanding of theories, principles, and concepts of sheet metal; aircraft finishes; wood structures; aircraft covering; and welding.

AMTT 1240 – Airframe Systems II **8 cr**
Prereq: AMTT 1120 and AMTT 1140. Theory and practical application of communication and navigation, aircraft electrical systems, aircraft fuel systems, assembly and rigging, and fire protection systems.

AMTT 1260 – Airframe Systems III **8 cr**
Prereq: AMTT 1120 and AMTT 1140. Theory and practical application of aircraft landing gear, hydraulic and pneumatic, cabin atmosphere control, ice and rain control, position and warning, and aircraft instrument systems.

AMTT 2320 – Airframe Inspection **8 cr**
Prereq: AMTT 1120, AMTT 1140, AMTT 1220, AMTT 1240, and AMTT 1260. Theories, principles, and concepts of reciprocating engine principles; engine instruments; induction and engine airflow systems; engine exhaust and reverser systems; engine fire protection; and engine cooling.

AMTT 2340 – Powerplant Systems **8 cr**
Prereq: AMTT 1120 and AMTT 1140. Theories, principles, and concepts of fuel metering; engine electrical systems, ignition and starting systems, engine fuel systems, and lubrication systems.

AMTT 2420 – Reciprocating Engines **8 cr**
Prereq: AMTT 1120 and AMTT 1140. Theory and practical application of reciprocating engines, and propellers.

AMTT 2440 – Powerplant Inspection **8 cr**
Prereq: AMTT 1120, AMTT 1140, AMTT 2320, AMTT 2340, and AMTT 2420. Technical information and laboratory projects necessary for the practical application and understanding of theories, principles, and concepts of turbine engines; unducted fans; auxiliary power plants; and engine inspection.

AMTT 2990 – Special Studies in AMTT **1 - 5 cr**
Prereq: Instructor approval. Theory and practical application of a specific subject area taken within a course to complete program or license requirements.

ANTH 1010 – Culture & Human Experience(ID) **3 cr**
An introduction to the field of cultural anthropology, a study of diverse living peoples throughout the world. In addition, the course introduces cultural anthropology as a subfield of anthropology that studies contemporary societies.

ANTH 1020 – Human Origins: Evolution & Diversity **3 cr**
This course provides an introduction to biological anthropology, one of the subfields of anthropology, and includes surveys of hominid fossils, primate biology and behavior, human biological variation, ecology and adaptation, and evolutionary theory.

ANTH 1030 – Introduction to Archaeology (ID) **3 cr**
Survey course offers an introduction to modern archeological techniques, methods and theories for reconstruction of past life-ways in order to understand cultural adaptation to various environments.

ANTH 1500 – Field Experience **1 - 2 cr**
A formal field-based intro to historic and prehistoric cultures. The issues of archaeological resource preservation will be discussed. The relationship of anthropology to other scholarly disciplines will be presented and illustrated.

ANTH 1900 – Special Studies-Anthropology **1 - 3 cr**
This course is designed to explore special topical and/or subjects related to the study of anthropology. The course should be considered a more specialized and individualized learning experience in an area of anthropology.

ANTH 2011 – People & Cultures of Southwest (HU) **3 cr**
This course offers an introduction to the diverse peoples of the American Southwest. The course will examine the cultures of the Hopi, Navajo and Ute people.

ANTH 2120 – Sacred Traditions (HU) **3 cr**
This course focuses on structural and psychological approaches to the study of indigenous sacred narratives, stories derived from oral traditions, and cultural events that invite symbolic analysis.

ANTH 2500 – Field School **1 - 4 cr**
A formal field-based intro to the historic and prehistoric cultures and the techniques of field work anthropologists and other scholars use to generate knowledge about cultures. Includes basic arch. survey/excavation techniques, recordation techniques, and the collection of artifacts.

ANTH 2900 – Special Topics in Anthropology **1 - 3 cr**
The course is an intermediate field techniques course, designed to advance student knowledge of survey, excavation, recordation and fieldwork organization.

APPR 1470 – Math for the Trades (QS) **5 cr**
This is a customized course in applied mathematics for the trades including algebraic and trigonometric functions.

AR 1100 – Automotive Refinishing **5 cr**
Coreq: AR 1111. A course in the preparation and application of base and top coats on damaged vehicles for finish coating.

AR 1111 – Refinishing Skill Development **7 cr**
Coreq: AR 1100. Skill development of surface prep and painting competencies. Lab class covers ASE task requirements.

AR 1199 – Specialty Training **1 - 7 cr**
Prereq: Previous SLCC training and industry experience. Industry specific training for Automotive Refinishers.

AR 1200 – Advanced Automotive Refinishing **5 cr**
Prereq: AR 1100 and AR 1111. Coreq: AR 1211. This is a theory course for advanced refinishing procedures and techniques including color matching and multi-stage finishes. See ASE task list for more information.

AR 1211 – Advanced Skill Development **7 cr**
Prereq: AR 1100 and AR 1111. Coreq: AR 1200. This is a lab class to develop skills in advanced painting and finishing competencies. See ASE task list for more information.

AR 1230 – Automotive Color and Design Theory **2 cr**
Airbrush theory and Lab covering image of color in design and lettering techniques.

AR 1299 – Specialty Training **1 - 7 cr**
Prereq: Previous SLCC training and industry experience. Industry specific training for Automotive Refinishers.

ARB 1010 – Beginning Arabic I **5 cr**
First in a series of four courses which focus on listening, speaking, reading, writing and culture. Major objective of the first year is to develop functional language ability in the Arabic culture. Lab attendance is required.

ARB 1020 – Beginning Arabic II (LN) **5 cr**
Prereq: ARB 1010 or permission of instructor. Second in a series of four courses which focus on listening, speaking, reading, writing and culture. Major objective of the first year is to develop functional language ability in the Arabic culture. Lab attendance is required.

ARB 1300 – Beginning Conversation in Arabic **1 cr**
Prereq: ARB 1010 or instructor approval. Beginning Arabic Conversation is intended to practice previously-acquired conversation skills to increase speaking ability and vocabulary. Attendance in lab is required. Course may be repeated for credit.

ARB 1900 – Special Studies in Arabic **1 - 2 cr**
Prereq: Instructor approval. Students plan areas of study, Service Learning component or travel and work with the instructor on an individual basis. Topics may be in language or culture. Lab may be required. May be repeated for credit.

ARB 2010 – Intermediate Arabic I **4 cr**
Prereq: ARB 1020 or instructor approval. Second-year Arabic courses increase functional language ability focusing on listening, speaking, reading, writing as well as increased focus on culture (philosophies, history, geography, literature, etc) Lab attendance is required.

ARB 2020 – Intermediate Arabic II **4 cr**
Prereq: ARB 1020 or instructor approval. Second-year Arabic courses increase functional language ability focusing on listening, speaking, reading, writing as well as increased focus on culture (philosophies, history, geography, literature, etc) Lab attendance is required.

ARB 2300 – Intermediate Conversation in Arabic **1 cr**
Prereq: ARB 1020 or instructor approval. Intermediate Arabic Conversation is intended to practice previously-acquired conversation skills to increase speaking ability and vocabulary. Attendance in lab is required. Course may be repeated for credit.

ARB 2900 – Special Topics in Arabic **1 - 3 cr**
This is a course designed by faculty which allows students to explore specific interests in Arabic language and culture. Lab attendance required. May be repeated for credit.

ARCH 1010 – Introduction to Design Professions **3 cr**
The study of the roles that designers play in society and what job markets are available in the areas of architecture, CAD, construction management, architectural history, landscape architecture, and interior design.

ARCH 1100 – Introduction to Architechtural Drawing **3 cr**
Students will about architectural drawings used in residential and commercial projects. Practical skills for reading blueprints of floor plans, sections, details, elevations and schedules.

ARCH 1130 – Basic Drawing **3 cr**
Practical skills in the fundamentals of drawing and freehand sketching. Graphic media such as pencil, pen, charcoal and ink will be explored. Instruction will focus on the use of light, shadow, texture, contour and form.

ARCH 1210 – Residential Construction **5 cr**
Prereq: ARCH 1310 or 2350. Residential construction techniques are analyzed from site planning to finish construction. Building codes, estimating, and specifications are discussed as they relate to methods and materials of residential construction common to Utah.

ARCH 1310 – Introduction to AutoCAD **3 cr**
Students gain the practical knowledge in the use of AutoCAD that is essential in producing architectural drawings. This course includes hands-on applications. Simple drawings will be produced.

ARCH 1350 – Computer Graphics **3 cr**
Studies include the manipulation of scanned and digital images, desktop publishing, digital presentations and web page designs. Various computer software will be used to promote the ideas and designs of architects and designers.

ARCH 1510 – Architectural Design Workshop **3 cr**
This course will develop visual awareness and basic abstract design principles. Balance, symmetry, repetition, order variety, uniformity, proportion, motif and color will be introduced with various generic and abstract projects.

ARCH 2060 – Construction Documents **3 cr**
Prereq: ARCH 1010 or CMGT 1010 or instructor approval. Provides the foundation required for the interpretation of construction documents Including drawings and specifications. This course prepares students for CSI's Construction Document Technician Examination.

ARCH 2150 – Architectural Graphics **3 cr**
Prereq: ARCH 1130. Course explores the preferred hand presentation techniques used with both two and three-dimensional drawings in the arch. design. Students will experience the jury process, peer review and learn skills needed to prepare portfolios.

ARCH 2210 – Commercial Construction **5 cr**
Prereq: ARCH 1210 or CMGT 1010. Basic materials and installation methods for commercial construction are studied. These include site work, concrete, masonry, curtain-walls, steel, doors, window finishes, and an overview of codes.

ARCH 2310 – Modeling/Rendering/Animation I **3 cr**
Digital modeling is presented as an essential tool for architectural design, visualization, and presentation. Principles are stressed so that acquired skills can be used with any modeling, rendering and animation software.

ARCH 2320 – Modeling/Rendering/AnimationII **3 cr**
Prereq: ARCH 2310. Skills developed in ARCH 2310 are enhanced with new techniques and intermediate and advanced skills. Presentation skills are also developed through advanced projects.

ARCH 2330 – CAD Customization **3 cr**
Prereq: ARCH 1310. Basic customization of AutoCAD software will be discussed and practiced as it applies to industry. Emphasis will be placed on developing AutoCAD tools and skills that will save time and improve productivity.

ARCH 2350 – Advanced Architectural CAD **3 cr**
Students will develop BIM skills and use specific 3D architectural oriented software. Design and construction documentation will be examined.

ARCH 2460 – Construction Estimating **2 cr**
Prereq: ARCH 1210 or CMGT 1010. Material take-offs, labor cost estimates, sub-contractor bids, equipment costs, price extensions and competitive bidding, with and without the use of the computer, will be covered in this class.

ARCH 2470 – Codes, Zoning & Inspections **2 cr**
This course is the study of current building codes and an overview of zoning regulations. This course will help with inspections for code enforcement and compliance, occupancy classifications, area limitations and life-safety regulations.

ARCH 2510 – Residential Design - CAD **5 cr**
Prereq: ARCH 1210 and ARCH 1310. Provides a study of light frame construction techniques and production of residential construction drawings using CAD software. Students produce a professional set of presentation and construction drawings of a residential structure.

ARCH 2520 – Commercial Design - CAD III **5 cr**
Prereq: ARCH 2210 and ARCH 2510. Examines commercial construction materials, techniques and the production of construction drawings using CAD software. Students will produce a professional set of presentation and construction drawings of a commercial structure.

ARCH 2990 – Special Studies In Architecture **1 - 20 cr**
Prereq: Instructor approval. This course is designed so the student can work on special individualized projects under the supervision of the instructor.

ART 1010 – Exploring Art (FA) 3 cr
Introduces visual art to the non-major. Provides historical perspective of visual art development. Study of major principles, elements, media, and techniques. Nonjudgmental art project, reading, writing, required.

ART 1020 – Introduction to Drawing (non-maj)(FA) 3 cr
An introductory drawing course for non-majors. Line, shape, perspective and light logic will be discussed. Using these techniques, students will develop their drawing skills. Some reading and writing will be required.

ART 1040 – Jewelry: Culture & Creation(FA) 3 cr
Jewelry has been a factor in the culture of many civilizations. This course teaches art and construction techniques. Students will design and create several unique jewelry pieces during the class using various techniques.

ART 1050 – Introduction to Photography (FA) 3 cr
Examines the important contributions of photography and photographers in the field of art. Explains basic functions of a 35mm camera, which is required. Limited darkroom experience. For non-art majors.

ART 1060 – History/Art Lettering/Calligraphy (FA) 3 cr
A study of the development of lettering throughout history. Several historic alphabets are studied and written. Various writing fluids and papers are explored. An introduction to bookmaking is part of this course. Extra cost for supplies.

ART 1110 – Foundation I Drawing 4 cr
Introduction to principles of visual awareness and drawing. Use of line to describe 3D reality on a 2D surface. Linear perspective will be a primary emphasis. Course will include a study of light logic.

ART 1120 – Design 3 cr
Students will be introduced to the basic principles (balance, rhythm, emphasis, unity) and elements (line, shape, texture, space, size, value, color) of design. All Visual Art and Design majors are required to take this class.

ART 1135 – Printing Fundamentals (Offset) 3 cr
This is a hands-on class in which students will produce actual printed items. Printing history, printing processes, terminology, art preparation, photo reproduction, prepress, bindery, paper, inks and related items will be covered.

ART 1150 – Art Foundation Seminar (HR) 2 cr
Theory and practice of human relations in artwork environments. Self-concept, interpersonal skills, teamwork, communication, networking, conflict resolution, career development, cross-cultural and gender relations, portfolio development.

ART 1200 – InDesign Software 3 cr
Required for Design and Electronic Publishing majors. Students learn the skills, tools and procedures needed to create electronic page layout files for output using leading industry software.

ART 1210 – Math for Visual Arts (QS) 3 cr
This course covers basic math functions required of visual artists including fractions, decimals, percentages. Concepts specific to working with computers and scanners will addressed.

ART 1230 – Typography & Layout 3 cr
Prereq: ART 1120 and 1200 (either can be taken concurrently). This course combines the study of typography with the fundamentals of layout. Students will study the history of letters and will learn to identify various typefaces. They will solve layout problems using design principles and type.

ART 1250 – Airbrush 3 cr
This curriculum will include basic use and skill with airbrush; application to a variety of rendering problems including simple dimensional forms and objects and multi-color masking.

ART 1260 – Figure Drawing 3 cr
Prereq: ART 1110. A study of figure drawing techniques and concepts. Students work directly from the model. Knowledge gained in anatomy, gesture, and structure.

ART 1280 – Photoshop Software/Design 3 cr
Design, Illustration, and Electronic Publishing students should take this course. Students learn the skills, tools and procedures needed to create basic to intermediate Adobe Photoshop documents for print and non-print media.

ART 1310 – Photography I 4 cr
Discussion and operation of film and digital SLR cameras, along with film and digital lab techniques. Fully adjustable digital or film SLR camera and other photo equipment required.

ART 1320 – Photographic Vision 3 cr
Prereq: ART 1310 or 1050 or either concurrently. Photographic expression and visual composition are explored through image capture and printing assignments. Emphasis placed on creative exploration, personal expression and visual arrangement of content.

ART 1340 – Photo Lighting & Equipment 1 **4 cr**
Prereq: ART 1310 and ART 1380 (can be taken concurrently). Introduction of various lighting and camera equipment used for photographic applications. Including medium and large format cameras, high-end digital capture, studio lighting equipment, lighting modulators, and computer equipment required to create imagery.

ART 1375 – Photographing Diversity(FA/DV) **3 cr**
Prereq: ART 1050 or 1310 w/C grade or better. Study and photographically document social issues relating to non-dominant cultures, minorities, societies, biases and privileges. Study contributions made by photographers/artists relating to historic and contemporary diversity issues. Fully adjustable film or digital camera required.

ART 1380 – Photography II **4 cr**
Prereq: ART 1310. A continuation of Photography I, w/emphasis on producing high quality images through advanced camera controls and the applied aesthetics of photography. A digital or film SLR camera is required.

ART 1400 – Copyrights For Creative Professionals **1 cr**
This introductory short course focuses on U. S. copyrights given to creative individuals who produce visual, musical, literary works of art or performing arts. The course also covers licensing and trademarking.

ART 1420 – Sales Promo For Creative Professionals **2 cr**
This introductory short course will introduce basic sales and self-promotional principles and techniques specifically tailored for creative artists.

ART 1440 – Build Creative Business **2 cr**
This introductory short course will introduce basic business structures and examine the process of setting up a business for creative professionals working in the areas of music, the many forms of visual design, fine art, animation, film and video, and the literary arts.

ART 1530 – Beginning Painting-Watercolor **3 cr**
This course will focus on the introduction and exploration of watercolor techniques. Composition and design will be discussed. The subject matter will include still life and occasional outdoor studies.

ART 1540 – Beginning Painting-Oil **3 cr**
This course will focus on the introduction and exploration of oil painting techniques. Composition and design will be discussed. The subject matter will include still life and occasional outdoor studies.

ART 1560 – Head Studies-Portrait Painting **3 cr**
Intermediate oil painting course focusing on painting portraits, observe and interpret planes and anatomy of the human head. Shape, value, light, and color will be the main emphasis. Composition and paint application will be addressed.

ART 1580 – Landscape Painting **2 cr**
Understand and apply the basics of painting landscapes. Explore materials, techniques, color theory, and expression. Most class sessions will be held at locations around Salt Lake. Learn skills such as drawing, color, value, edges, and brushwork.

ART 1620 – Introduction to Animation **2 cr**
Introduction to the production process, skill sets, foundational principles, and techniques of animation. An intense course with heavy emphasis on drawing.

ART 1660 – Storyboarding **3 cr**
Prereq: ART 1110 and ART 1620. Introduction to visual storytelling, as applied to conceptualizing storyboards and animatics for various time based mediums.

ART 1670 – Character Animation Basics **3 cr**
Prereq: ART 1620 (for 2D) or ART 2640 (for 3D) and instructor approval. Expanding on principles of animation, body mechanics, and acting to create animated performances for both traditional and 3D application.

ART 1800 – Digital Media Essentials **4 cr**
Intro to software and hardware used to create multimedia productions. Hands-on experience using hardware, software to create 2D/3D graphics, sound, animation, and video. Discussion of the multimedia market, copyright, and ethics in mass media.

ART 1810 – Intermediate Photoshop/Multimedia **2 cr**
Prereq: ART/COMM/EBT/ENGL/FLM 1800. Class required for Multimedia emphasis students. A continuation of Photoshop skills learned in ART 1800. Photoshop will be used to create maps for use in 3D animation, and graphics for web design and digital video production.

ART 1850 – Portfolio/Career Preparation **2 cr**
An introductory course focused on portfolio and freelance career preparation for all creative artists.

ART 1900 – Special Projects **1 - 4 cr**
Prereq: Instructor approval. This course is an Independent Study course. Any of the VAD courses can be used as curriculum. This is to be done on an individual need basis. With approval of the instructor.

ART 2000 – Visual Art CO-OP Education **1 - 5 cr**
Prereq: Sophomore standing, minimum of 2.0 GPA, study-related employment working at least 20 hours per week, and instructor approval. This is a supervised work experience in a business, industrial, or government environment related to the program major. Credit is awarded for successful completion of specific objectives that provide new learning related to the major. on the job and approval of the director of cooperative

ART 2010 – History of Visual Art & Design **3 cr**
This class examines visual art from ancient civilizations to the present including graphic design. Emphasis is on the context in which new movements appear and how fine art and graphic design are related.

ART 2040 – Intermediate Jewelry **3 cr**
Prereq: ART 1040 or instructor approval. Continuation of the techniques taught in ART 1040. Students will learn advanced jewelry fabrication and create several unique jewelry pieces.

ART 2050 – Visual Development & Character Design **2 cr**
Prereq: ART 1120 and 1260. Design and stylization of human and animal characters, environments, and props for visual storytelling applied to concept art, comic books, and cartoon illustration.

ART 2070 – Portfolio Development **3 cr**
Prereq: ART 2230 (for Design Emphasis) or ART 2270 (for Illustration emphasis), or instructor approval. Students develop portfolio, resume, and self-promotion strategies. Design business practices introduced.

ART 2080 – Visual Arts & Design Internship **1 - 3 cr**
Prereq: Instructor approval and second-year status. Students may elect to participate in visual arts internships through approved employers. Students learn practical work experience as it applies to their career in the visual arts.

ART 2110 – Foundation II Drawing **4 cr**
Prereq: ART 1110 or 1020. Value and light logic are explored using paint medium. Course includes fundamentals of color theory. Included: color mixing, painting techniques and materials. Composition, creative use of value, and image building are covered.

ART 2120 – eDesign and Publishing **3 cr**
This course teaches electronic publishing using MS Publisher (or other layout software) and Adobe Acrobat. Electronic documents contain links, web addresses, movies, and sounds to create marketing pieces, product catalogs, e-brochures and e-forms.

ART 2140 – Advanced Photoshop Software/Design **2 cr**
Prereq: ART 1250, 1810, or 2340 or instructor approval. This course is for all Visual Art and Design majors wishing to perfect advanced features and skills specific to graphic design application. Students will create and rework portfolio pieces.

ART 2200 – Advanced InDesign Software **2 cr**
Prereq: ART 1200 and 1230. Students will develop advanced skills to create electronic files ready for printing. They will also use their skills to produce quality portfolio pieces.

ART 2210 – Illustration I **3 cr**
Prereq: ART 1110, ART 2110 (can be taken concurrently), or instructor approval. Various black and white and color media will be introduced to develop editorial and advertising illustration techniques with emphasis on composition, drawing, creativity, exploration of techniques.

ART 2220 – Advanced Design **3 cr**
Prereq: ART 1230. Recommended prereq: ART 2230 before ART 2220 or concurrently. This course builds upon previous Design, Typography and Layout classes as well as introduces students to corporate identity and collateral design problems. Students will produce portfolio and art show quality work.

ART 2230 – Advanced Typography & Layout **3 cr**
Prereq: ART 1230. Recommended prereq: ART 2230 before ART 2220 or concurrently. This course is a continuation of ART 1230. Students will explore the design aspects and possibilities inherent in typography as well as more complex layout problems. Students will produce portfolio and art show quality work.

ART 2240 – Package Design **3 cr**
Prereq: ART 2230. This course will cover design considerations for basic packaging. Packaging fundamentals and basic materials and processes will be introduced. Projects may include hang tags, bags, boxes, cylinders, or point-of-purchase displays.

ART 2260 – Advanced Figure Drawing **2 cr**
Prereq: ART 1260. This is a continuation of ART 1260. Advanced techniques and principles in figure drawing. Primary emphasis on light logic, gesture and head studies.

ART 2270 – Illustration II **3 cr**
Prereq: ART 2210 or instructor approval. In-depth development of editorial/advertising illustration will be covered as well as skills using various black and white and color media. Students will produce original art with both traditional and digital media.

ART 2280 – Advertising Workshop **3 cr**
Prereq: ART 2230. This course introduces students to product/service promotion and advertising. Students will gain a basic understanding of the components of an advertising agency; strategies, media choices, budgets, production analysis, proposals and presentations. Professional ethics will be addressed.

ART 2290 – Advanced Illustration **2 cr**
Prereq: ART 2270 or instructor approval. Creation of an Illustration Portfolio, with finished examples that show pictorial evidence of skill and personal style in chosen medium from the broad spectrum of media reviewed.

ART 2300 – Alternative Photography **3 cr**
Prereq: ART 1310. An exploration of a variety of non-traditional photographic processes and techniques. Emphasis is placed on applying these techniques to individual artistic photographic expression and creating a fine-art portfolio.

ART 2310 – Photo Lighting & Equipment 2 **4 cr**
Prereq: ART 1340 and 1380. Apply photo studio environment and equipment to create images of still-life, product, portrait, and location. Emphasis on light theory, lighting equipment, all camera formats, and refinement of digital exposure and film image capture.

ART 2320 – Documentary Photography **3 cr**
Prereq: ART 1380. The study of photographic documentary and photojournalism techniques and applications for visual communication. Emphasis placed on the emotional impact of photographic images. Professional ethics will be addressed.

ART 2330 – Photography: A Cultural History (HU) **3 cr**
An examination of the art, cultural impact, social connections, and invention of photography. Historic photographers, events, trends, applications, and techniques are explored. Contemporary connections are examined.

ART 2340 – Photoshop for Photographers **3 cr**
Prereq: ART 1380. Utilize Adobe Photoshop, Camera Raw processing to produce images specific to photography. Emphasis on digital workflow, color spaces, ICC profiles, image scans, file types, shortcuts, digital printing and output.

ART 2350 – Photographing People & Portraits **3 cr**
Prereq: ART 2310 or concurrently. Techniques to photograph informal, formal, and environmental portraits. Produce aesthetic portraits in the studio or location utilizing electronic flash. Refine posing, composition and conceptual aspects for dramatic portraits of people.

ART 2360 – Nature Photography **3 cr**
Prereq: ART 1380. Explores the principles, philosophies, history, technical aspects and business practices of nature photography. Includes both in-class and on-location image capture assignments.

ART 2370 – Photography Business Practices **3 cr**
Prereq: ART 2310. Students develop self-promotional marketing strategies, learn professional photographic business practices such as usage rights, billing and writing a simple business plan.

ART 2375 – Photo Portfolio Development **1 cr**
Prereq: ART 2310. Recommended Coreq: ART 2370. This course provides advanced photography students additional time and instructional guidance in portfolio development and presentation. Students practice personal portfolio direction and image selection.

ART 2380 – Advanced Studies in Photography **4 cr**
Prereq: ART 2310 w/C grade or better. Refinement of all photographic aspects and vital development of individual photographic style. Demonstrate interpretation of advanced lighting applications utilizing photographic equipment for creative studio and location technique.

ART 2400 – Web Project Management **3 cr**
Prereq: ART 2440 and 2550. Students will develop the skills necessary to manage Web site development and design projects from conception to delivery. Students create project specifications based upon a client's input and then write a project proposal, develop a project plan using the industry-leading project management software, manage a project, react to unexpected issues, and deliver a final product.

ART 2412 – Illustrator Software **3 cr**
Students will create original design, layout, and illustration using Adobe Illustrator vector software. Production issues for print and web media presented. Design, illustration, and multimedia students are required to take ART 2412.

ART 2420 – Advanced Illustrator Software **2 cr**
Prereq: ART 2412 or instructor approval. For Visual Art and Design students (2nd yr. status best) or working artists who wish to create/rework portfolio pieces. Advanced use of Adobe Illustrator, and interface with the following: Photoshop, In-Design, Flash. Six original projects required.

ART 2440 – Web Site Design **3 cr**
Prereq: ART/COMM/EBT/ENGL/FLM 1800. Students learn the knowledge and skills needed to build and manage professional web sites using Dreamweaver and Fireworks. Students create interactive web sites, graphics, animation, and advanced styling using HTML, CSS, and JavaScript.

ART 2470 – Digital Video Production **2 cr**
Prereq: ART/COMM/EBT/ENGL/FLM 1800, ART 1280, ART 2340, or instructor approval. The course is an introduction to the technical issues of digital video production. Including the capturing and editing of digital video and audio for animation, web, mobile, and digital media applications.

ART 2480 – Digital Painting **2 cr**
Prereq: ART/COMM/EBT/ENGL/FLM 1800 or ART 1280; ART 2110. Expanding on traditional painting techniques using digital painting programs that mimic the use of traditional media. Projects focus on design and application for illustrations, special effects, 3D textures, and concept designs.

ART 2490 – Advanced Studies in Computer Graphics **2 cr**
Prereq: Instructor approval. This course continues all work begun in other computer graphics classes. Students pursue their own direction in the production of finished projects.

ART 2510 – Mobile Publishing Seminar **3 cr**
Prereq: ART 1220. Coreq: ART 2120 and 2240. Students will refine electronic, mobile, and web publishing techniques to create cutting edge publications and visual based applications for mobile devices and outlets such as the Apple App Store. This capstone course will review the latest trends in social media giving students exposure to many of the most popular trends in graphic arts, mobile publishing, and social media.

ART 2520 – Advanced Drawing **2 cr**
Prereq: ART 1110 or instructor approval. Build on knowledge of proportion, line, value and shape. Expressive and imaginative interpretation are encouraged. Textural explorations, symbolic content in drawings and rapid drawing exercises are areas of skills developed.

ART 2530 – Advanced Painting - Watercolor **3 cr**
Prereq: ART 1530 or portfolio review by instructor. A continuation of ART 1530. Further development of various watercolor techniques and composition. Students are encouraged to develop their own unique talent. Maturation and experimentation of aesthetic philosophy are expected.

ART 2540 – Advanced Painting - Oil **3 cr**
Prereq: ART 1540. A continuation of beginning oil. Further development of oil painting techniques. Composition and color are emphasized.

ART 2550 – Website Design II **3 cr**
Prereq: ART/COMM 2440 w/C grade or better. Continuation of web design principles to create advanced Website designs by integrating animation, video, and audio along with CSS, and JavaScript libraries. Emphasis is placed on interface design principles and concepts.

ART 2560 – Figure Painting **3 cr**
Prereq: ART 1260 and 2110. Painting the draped and undraped figure in oil or acrylic. Emphasis on light logic, color theory. Painting the human head will be emphasized.

ART 2570 – e-Commerce Design **3 cr**
Prereq: ART 2440. Covers the strategy and methodology in creating e-Commerce Website designs. Topics include demographics of the Internet, opportunity and risk assessment, competitive analysis, current technologies, and e-Commerce trends.

ART 2580 – Web Animation **3 cr**
Prereq: ART 2440. An Introductory course focused on using design software to create effective web page animation.

ART 2590 – Dynamic Web Design **4 cr**
Prereq: ART 2440 and 2550. In this capstone web design course students will learn the essentials of designing websites that have dynamically changing content. Basic knowledge and structure of database driven websites with user generated content using PHP and MySQL will be discussed. Foundations in validating and processing form data along with designing themes for open source content management systems are taught.

ART 2610 – Multimedia Authoring **2 cr**
Prereq: ART 2440. This is a continuation of ART 2440. Flash and Dreamweaver software will be introduced and used to design and prepare Web pages.

ART 2620 – Motion Graphics **2 cr**
Prereq: ART 1230 and 1620. The integration of type and image in motion using design and animation principles in the creation of graphics for time based visualizations.

ART 2630 – Introduction to 3D Modeling **3 cr**
Prereq: ART/COMM/EBT/ENGL/FLM 1800 or instructor approval. Application of modeling, texturing, rendering, lighting and compositing principles using 3D software with emphasis on applying traditional art principles.

ART 2640 – Introduction to 3D Animation **3 cr**
Prereq: ART 2630 and ART 1620 or instructor approval. Application of the various methods for creating animation using 3D software, Including keyframing and simulations with emphasis on applying traditional animation principles.

ART 2660 – Visual Effects & Compositing **3 cr**
Prereq: ART 2640. Overview of the processes used to create and composite 2D and 3D special effects using procedural workflows and various software tools to achieve efficient and flexible results.

ART 2670 – Animation Production Workshop **4 cr**
Prereq: ART 1660 and 50 completed credit hours toward an Animation Emphasis. Student driven portfolio development based on animation/design projects that emphasize working in a production pipeline.

ART 2900 – Visual Art & Design Seminar **1 - 3 cr**
Prereq: Instructor approval. Students may elect to participate in visual arts seminars and workshops, which may include travel. There may be additional costs.

ART 2910 – Photo Field Trip Workshop **3 cr**
Prereq: Instructor approval. Multiple-day, off-campus fieldtrip relating to photographic studies. Students tour world-class galleries/museums, attend private displays of historic and contemporary art, perform photographic work, keep a reflective journal.

ART 2940 – Special Topics in Design **1 - 6 cr**
Prereq: Instructor approval. This course allows design majors to learn special skills, hone specific skills, learn new software or explore special graphic design topics in a classroom setting.

ART 2950 – Special Topics in Illustration **1 - 6 cr**
Prereq: Instructor approval. This course allows Illustration majors to learn special skills or techniques, hone specific skills, learn new software or explore special illustration topics in a classroom setting.

ART 2960 – Special Topics in Animation **1 - 6 cr**
Prereq: Instructor approval. This course allows animation majors to learn special skills, hone specific skills, learn new software or explore special animation topics in a classroom setting.

ART 2970 – Special Topics in Photography **1 - 6 cr**
Prereq: Instructor approval. VAD Photo majors to learn special techniques, hone specific skills, learn new software and/or explore special photographic topics in a classroom setting.

ART 2980 – Special Topics in Multimedia **1 - 6 cr**
Prereq: Instructor approval. This course allows Multimedia majors to learn special skills or techniques, hone specific skills, learn new software or explore special topics in a classroom setting.

ART 2990 – Advanced Independent Studies **1 - 3 cr**
Prereq: Instructor approval. After completing all available courses in an area of study, students have the opportunity to pursue advanced study with a faculty member on an individual basis. Students must consult with that faculty member about details and permission.

ARTH 2520 – Latin American Art to 1821(HU) 3 cr
Examines visual art from Prehistory to Colonial-era Latin America. Artworks are critically considered as objects that embody and convey ideas and meanings in the context of their periods and cultures, and within the developments of art over time.

ARTH 2640 – Asian Art: Buddhist Art 3 cr
Examines the artistic traditions of Buddhism. Beginning with the birth of Buddhism in India, the course will follow the development and spread of Buddhist art to China and the rest of Asia.

ARTH 2700 – Asian Art: Japan 3 cr
Course focuses on the artistic and cultural traditions of Japan beginning with the prehistoric Jomon era and continuing to the present.

ARTH 2710 – Art History: Prehistory/Renaissance (HU) 3 cr
An examination of visual art forms from Prehistory to the European Renaissance. Emphasis: developing a comparative understanding of a variety of works (including painting, sculpture, and architecture) from different cultures in context.

ARTH 2720 – Art History: Renaissance/Contemporary (HU) 3 cr
An examination of the visual art forms created from the period of the Renaissance to the Contemporary era. The study focuses on the aesthetic, cultural, and psychological factors that shape the changes in artistic expressions through time.

ASL 1010 – Beginning ASL I 5 cr
First in series of four courses which focus on expressive and receptive skills in American Sign Language and an introduction to American Deaf culture. Major objective of the first year is to develop functional language ability in the Deaf community.

ASL 1020 – Beginning ASL II 5 cr
Prereq: ASL 1010. Second in a series of four courses which focus on expressive and receptive skills in American Sign Language and an introduction to American Deaf Culture. Major objective of the first year is to develop functional language ability in the Deaf community.

ASL 1300 – Conversation 1 cr
Prereq: ASL 1020. Course practices currently held conversation skills to increase expressive and receptive ability with varied vocabulary. Includes role plays, small group work and presentation. May be repeated for credit.

ASL 1900 – Special Studies in ASL **1 - 3 cr**
Prereq: ASL 1020. In this ASL special studies course, students plan areas of study, Service Learning component or travel and work with instructor on an individual basis. Some work may be done in groups. May be repeated for credit.

ASL 2010 – Intermediate ASL I **4 cr**
Prereq: ASL 1020. Second-year ASL courses increase functional language ability focusing on expressive and receptive skills in ASL as well as increased focus on American Deaf Culture (philosophies, history, geography, literature, etc.)

ASL 2020 – Intermediate ASL II **4 cr**
Prereq: ASL 2010. Fourth in a series of four courses which focus on expressive and receptive skills in ASL and an in-depth exploration of American Deaf Culture. Major objective of second year is to increase functional language ability. Emphasis is on proficiency.

ASL 2100 – Proficiency Development **4 cr**
Prereq: ASL 2020. The course focuses on proficiency development. Students will learn techniques and strategies to increase their language proficiency in a variety of social, educational and cultural settings.

ASL 2300 – Conversation II **1 cr**
Prereq: ASL 2020. Course practices currently held conversation skills to increase expressive and receptive ability with varied vocabulary. Includes role-plays, small group work and presentations. May be repeated for credit.

ASL 2400 – Topics in ASL **1 - 3 cr**
Prereq: ASL 2010. A special topics course will include related areas in literature, linguistics, or visual communication. Topics vary and may include Visual Gestural Communication, professional terminology, ASL linguistics, etc.

ASL 2700 – Introduction to ASL Literature **3 cr**
Prereq: ASL 2010. This course focuses on ASL literature forms, including storytelling, poetry, and comedy to better understand Deaf culture and American Sign Language.

ASL 2710 – Introduction to Deaf Art/Film **3 cr**
Prereq: ASL 2010. Exploration of artistic expression as practiced by Deaf individuals and in Deaf communities around the world to express individual identity and develop/define cultural identity.

ASL 2750 – Special Topics in Deaf Culture **1 - 3 cr**
Prereq: ASL 2010. This is a course designed by faculty and allows students to explore specific interests in American Deaf culture including Bi-Cultural competence, signed history project, cultural/medial views of deafness. May be repeated for credit.

ASL 2900 – Special Topics **1 - 3 cr**
Prereq: ASL 2010. A special topics course will include related areas in literature, linguistics, or visual communication. Topics vary and may include Visual Gestural Communication, professional terminology, ASL linguistics, etc.

AUTO 1010 – Maintenance & Light Repair Fundamentals **6 cr**
An introductory course providing fundamentals of operation and maintenance procedures including: researching service information, shop safety, tool, and equipment use, maintenance and light repair service procedures. Prerequisite to additional AUTO courses. Completers may test to become Honda PACT students.

AUTO 1150 – Automotive Electrical & Electronics **6 cr**
Prereq: AUTO 1010 or successful completion of challenge exam for AUTO 1010. Diagnostic and repair procedures involved in electrical and electronic systems with practical application of Ohm's law. Hands-on diagnosis and repair of charging, starting, lighting, electronic accessory, and supplemental restraint systems.

AUTO 1199 – Specialty Training/Automotive **1 - 15 cr**
Allows the student to acquire additional expertise in a specific automotive application, approved by the instructor.

AUTO 1250 – Automotive Engine Repair **6 cr**
Prereq: AUTO 1010 or successful completion of challenge exam for AUTO 1010. Theory of operation of four-stroke gas internal combustion engines. Teaches engine components, design characteristics, systems, subsystems, and diagnostics. Maintenance and repair procedures will be performed on live work, mock-ups, components, and department owned vehicles.

AUTO 1299 – Automotive Specialty Training **0.5 - 12 cr**
Allow automotive students to acquire additional expertise in a specific industrial automotive application, to be approved by the instructor.

AUTO 1350 – Automotive Braking Systems **6 cr**
Prereq: AUTO 1010 or successful completion of challenge exam for AUTO 1010. This is an Automotive Service Excellence (ASE) certified training course covering the theory, functions of repair, service procedures, and shop practices of Automotive Braking Systems.

AUTO 1450 – Automotive Suspension & Steering **6 cr**
Prereq: AUTO 1010 or successful completion of challenge exam for AUTO 1010. This is an Automotive Service Excellence (ASE) certified training course covering the theory, functions of repair, and maintenance of automotive suspension and steering systems.

AUTO 2150 – Manual Transmissions & AC **6 cr**
Prereq: All 1000 level automotive courses or equivalent industry experience. Diagnostic and repair procedures involved in automotive heating, air conditioning, manual transmissions, transaxles, and final drive components.

AUTO 2250 – Automatic Transmissions **6 cr**
Prereq: All 1000 level automotive courses or equivalent industry experience. In-vehicle and off-vehicle diagnostic and repair procedures involved in automotive automatic transmissions and transaxles.

AUTO 2350 – Engine & Emission Controls I **6 cr**
Prereq: All 1000 level automotive courses or equivalent industry experience. A course on the diagnosis and repair of automotive engine performance and emission-related problems. The course includes, but is not limited to, the diagnosis and testing of ignition, fuel delivery, and emission systems.

AUTO 2450 – Engine & Emission Controls II **6 cr**
Prereq: All 1000 level automotive courses or equivalent industry experience. This is a continuation of AUTO 2350. It is a course on the diagnosis and repair of automotive engine performance and emission-related problems. The course includes, but it not limited to, the diagnosis and testing of ignition, fuel delivery, and emission systems.

AVAD 1010 – Airport Systems & Facilities **3 cr**
An overview of basic internal & external organizational structures and common infrastructure associated with airports. Specific topics discussed include types of airports in the US, airport administrative & regulatory structures, National Plan of Integrated Airport systems [NPIAS], airport jobs & career paths, public relations, infrastructure & facilities, airspace and Air Traffic Control.

AVAD 1020 – Airport Operations & Administration **3 cr**
An overview of the operational and administrative processes associated with modern airports. Specific topics discussed include airport regulations governing planning, management and operations, security processes & procedures, financial management, capacity & delay, economic, political and social roles of airports, airport master planning process and the future of airport management.

BIOL 1010 – Introduction to Biology (BS) **4 cr**
Prereq: RDG 0900 w/C grade or better, or appropriate Accuplacer score. Coreq: BIOL 1015. For non-science majors. The study of living organisms from bacteria to plants and animals. Introduces cell structures and physiology, inheritance, evolution, and classification. Three hours of lecture per week; additional lab component (BIOL 1015) required.

BIOL 1015 – Introduction to Biology Lab (BS) **0 cr**
Coreq: BIOL 1010. Required as lab portion of BIOL 1010. Laboratory study, experimentation, and analysis illustrating important biological principles. One laboratory session per week.

BIOL 1030 – Introduction to Plant Biology (BS) 4 cr
Prereq: RDG 0900 w/C grade or better, or appropriate Accuplacer score. Coreq: BIOL 1035. For non-science majors. An introduction to plant form, function, and reproduction and a survey of the plant kingdom. Three hours of lecture per week with additional lab component (BIOL 1035) required.

BIOL 1035 – Introduction to Plant Biology Lab (BS) 0 cr
Coreq: BIOL 1030. Important aspects of plant biology are illustrated. Lab activities include: plant anatomy, physiology, life cycles, and a survey of the plant kingdom. One laboratory session per week.

BIOL 1050 – Introduction to Animal Biology (BS) 4 cr
Prereq: RDG 0900 w/C grade or better, or appropriate Accuplacer score. Coreq: BIOL 1055. For non-science majors. Topics include: animal classification, evolution, and diversity. Three hours of lecture per week with additional lab component (BIOL 1055) required.

BIOL 1055 – Introduction to Animal Biology Lab (BS) 0 cr
Coreq: BIOL 1050. Activities include: use of the microscope, cell structures, evolution, animal development and systematics, and a survey of animal phyla. One laboratory session per week.

BIOL 1070 – Introduction to Marine Biology (BS) 4 cr
Prereq: RDG 0900 w/C grade or better, or appropriate Accuplacer score. Coreq: BIOL 1075. Introductory study of Biology focusing on marine biological systems. Intended for non-science majors. Three hours of lecture per week with additional lab component (BIOL 1075) required.

BIOL 1075 – Introduction to Marine Biology Lab (BS) 0 cr
Coreq: BIOL 1070. Students will study marine plants, plankton, invertebrates and vertebrates. One laboratory session per week.

BIOL 1090 – Human Biology (BS) 3 cr
Prereq: RDG 0900 w/C grade or better, or appropriate Accuplacer score. Focuses on humans as biological entities. Introduces the scientific process, chemical and cellular bases of life, role of DNA in the continuity of life, evolution, and interrelationships among humans and other living organisms. Three hours of lecture per week.

BIOL 1120 – Introduction Conservation Biology (BS) 3 cr
Prereq: RDG 0900 w/C grade or better, or appropriate Accuplacer score. Introductory biology course that focuses on the patterns and processes that create biological diversity. Examines causes and consequences of diversity losses from genes-ecosystems. Also analyzes approaches to preventing diversity loss.

BIOL 1400 – Environmental Science (ID) 4 cr
Coreq: BIOL 1405. Survey of contemporary environmental issues related to conservation and management of natural resources concurrent with increasing socioeconomic and human population demands. Topics such ecology, eco-psychology, resource management, soil and food production, water and air pollution, solid and hazardous waste, global climate change and environmental economics will be emphasized.

BIOL 1405 – Environmental Science Lab (ID) 0 cr
Coreq: BIOL 1400. Scientific principles and data collection needs for gaining an understanding of environmental challenges on local, regional, and global scales will be emphasized in the Laboratory. Some field trips may be required.

BIOL 1610 – College Biology I (BS) 4 cr
Prereq: MATH 0990 w/C grade or better, or appropriate Accuplacer score; RDG 0990 w/C grade or better, or appropriate Accuplacer score. Coreq: BIOL 1615. Content: biological chemistry , cell structure, metabolism, genetics, evolution, and diversity. Three hours of lecture per week with additional lab component (BIOL 1615) required.

BIOL 1615 – College Biology I Lab (BS) 0 cr
Coreq: BIOL 1610. Required lab component with BIOL 1610 College Biology I.

BIOL 1617 – College Biology I Workshop 1 cr
Coreq: BIOL 1610. This course is designed to be a supplement to BIOL 1610. Content: biological chemistry, cell structure, metabolism, genetics, evolution, and diversity.

BIOL 1620 – College Biology II 4 cr
Prereq: BIOL 1610 w/C grade or better. Coreq: BIOL 1625. For Biology/Science majors. Content: evolution, diversity, structure and function of plants, structure and function of animals, and ecology. Three hours of lecture per week with additional lab component (BIOL 1625) required.

BIOL 1625 – College Biology II Laboratory 0 cr
Coreq: BIOL 1620. Required as lab portion of BIOL 1620. Laboratory observation and experimentation to enhance understanding of evolution, diversity, and ecology. Three hours of lab per week with additional lecture component (BIOL 1620) required.

BIOL 2000 – CO-OP Education 2 - 4 cr
Prereq: Sophomore standing, minimum 2.0 GPA, study-related employment of at least 20 hrs/week and approval of director of cooperative education, Instructor approval. Work experience in business, industrial, or government environment related to program major. Credit awarded upon completion of specific objectives.

BIOL 2020 – Cell Biology **4 cr**

Prereq: BIOL 1610 w/C grade or better. Coreq: BIOL 2025. For biology/science majors. Topics covered include cell division, organelle structure and function, gene expression, cytoskeleton, and extracellular matrix. Three hours of lecture per week with additional lab component (BIOL 2025) required.

BIOL 2025 – Cell Biology Lab **0 cr**

Coreq: BIOL 2020. Introduction to some of the basic lab techniques in modern cell biology. Lab activities include: microscopy, cell fractionation and analysis of cellular components. One laboratory session per week.

BIOL 2030 – Genetics **4 cr**

Prereq: BIOL 1610 w/C grade or better AND CHEM 1210 w/C grade or better. Coreq: BIOL 2035. For biology/science majors. An introduction to the principles of genetics. Topics include: transmission (Mendelian), molecular, and population genetics. Three hours of lecture per week with additional lab component (BIOL 2035) required.

BIOL 2035 – Genetics Lab **0 cr**

Coreq: BIOL 2030. Hands-on and computer-simulated laboratory investigations of genetic processes. Lab emphasizes data analysis and complements information learned in the lecture. One laboratory session per week.

BIOL 2060 – Microbiology **4 cr**

Prereq: BIOL 1610 w/C grade or better. Coreq: BIOL 2065. For HS and biology/science majors. A survey of microbiological principles related to human health. Covers taxonomy, cell structure, physiology, and genetics of microorganisms. Three hours of lecture per week with additional lab component (BIOL 2065) required.

BIOL 2065 – Microbiology Lab **0 cr**

Coreq: BIOL 2060. Lab required with BIOL 2060. Introduces practical aspects of microbiology. Lab activities include: microscopy, cell culture, staining, and techniques for characterizing and identifying bacteria. One laboratory session per week.

BIOL 2220 – Ecology **4 cr**

Prereq: BIOL 1610 w/C grade or better. Coreq: BIOL 2225. For biology/science majors. Intro to ecological and evolutionary principles, including: population interactions, ecosystem structure/function, energy flow, and biogeography. Three hours of lecture per week and additional lab component (BIOL 2225) required.

BIOL 2225 – Ecology Lab **0 cr**

Coreq: BIOL 2220. This lab provides an introduction to ecological methods, measurements, and data analysis. One laboratory session per week.

BIOL 2320 – Human Anatomy **4 cr**
Prereq: BIOL 1610 w/C grade or better. Coreq: BIOL 2325. For HS and biology/science majors. Intro to the structure of the human body using a systemic approach. Structural relationships are evaluated by macro and microanalysis. Three hours of lecture per week and additional lab component (BIOL 2325) required.

BIOL 2325 – Human Anatomy Lab **0 cr**
Coreq: BIOL 2320. Hands-on evaluation of anatomical structures using microscopes and dissection. Human cadavers, histology slides and human/animal body parts are used as study materials. One laboratory session per week

BIOL 2327 – Instructional Experiences in Human Anatomy **3 cr**
Prereq: BIOL 2320 w/B grade or better. For Biology/Science or Health Science majors. Mentoring students on the structure of the human body. Cell types, tissue types, and the major organ systems, including integumentary, skeletal, muscular, nervous, cardiovascular, endocrine, respiratory, lymphatic, digestive, urinary and reproductive. One hour of lecture, four hours of lab weekly.

BIOL 2350 – Field Studies in Biology **1 - 6 cr**
Prereq: BIOL 1610 w/C grade or better. For biology/science majors. This course provides an introduction to field studies of local environments and ecosystems.

BIOL 2420 – Human Physiology **4 cr**
Prereq: BIOL 1610; CHEM 1110 or CHEM 1210 (all w/C grade or better). Coreq: BIOL 2425. For HS and biology/science majors. A cellular and systemic approach to the study of body functions, including physical and chemical processes and interactions among the systems. Three hours of lecture per week and additional lab component (BIOL 2425) required.

BIOL 2425 – Human Physiology Lab **0 cr**
Coreq: BIOL 2420. Hands-on lab investigations of physiological processes. Includes data acquisitions, analysis of cardiovascular, respiratory, digestive, immune and muscular systems. One laboratory session per week.

BIOL 2900 – Special Topics in Biology **1 - 5 cr**
Prereq: Defined by instructor. Special topics for students majoring in biology or other science fields. Satisfies BIOL Dept. elective requirement toward AS degree.

BIOL 2990 – Independent Study **1 - 2 cr**
Prereq: BIOL 1610 w/C grade or better. For biology/science majors. This independent study is based on a student-selected biological topic. It may involve laboratory, field and/or library study.

BLA 1110 – Bricklayer 1A **5 cr**
Prereq: APPR 1470 w/C grade or better or appropriate Accuplacer score. This course teaches the basics of brick laying, proper tool handling and safety, layout and course measurements.

BLA 1120 – Bricklayer 1B **5 cr**
Prereq: BLA 1110 w/C grade or better. This course presents the basics of block masonry and the proper and safe use of tools and equipment.

BLA 1210 – Bricklayer 2A **5 cr**
Prereq: BLA 1120 w/C grade or better. This course covers the joining of materials including brick to block, block to stone, arches, and more.

BLA 1220 – Bricklayer 2B **5 cr**
Prereq: BLA 1210 w/C grade or better. This course presents the final math portion of the program as it relates to the masonry trade. Also refractory, which is industrial masonry, with safe use of tools and equipment.

BLA 2310 – Bricklayer IIIA **5 cr**
Prereq: BLA 1220 w/C grade or better. This is the first part of an advanced course in which bricklayers will learn and improve basic skills which are essential to the trade. Students will concentrate on learning tools and their proper use, joining materials such as brick and block, block and stone, turning arches, sills and anchoring systems, etc.

BLA 2320 – Bricklayer IIIB **5 cr**
Prereq: BLA 2310. This is the second part of an advanced course in which bricklayers will learn and improve basic skills which are essential to the trade. Students will concentrate on learning tools and their proper use, joining materials such as brick and block, block and stone, turning arches, sills and anchoring systems, etc.

BMAN 1110 – Introduction to Biomanufacturing (ID) **3 cr**
Provides an introduction to biotechnology product manufacturing. Focuses on history of the industry, the required multidisciplinary approach, the details of the manufacturing process, and related legal, social, and ethical issues.

BMAN 1120 – Basic Biomanufacturing Skills **1 cr**
Prereq: BMAN 1110 (can be taken concurrently) or instructor permission. Provides a basic understanding of the core skills required for working in a manufacturing environment typical of biotechnology companies and reinforces critical thinking skills.

BMAN 1130 – Bioengineering in Society (ID) 3 cr
Explores the impact of bioengineering in society by examining the history of the field, multidisciplinary involvement, technological innovations, medical needs addressed, and product design and manufacturing challenges.

BMAN 1150 – Biomanufacturing Quality System and Regulations 3 cr
Prereq: BMAN 1110 and 1120 w/C grade or better or instructor permission. Provides thorough understanding of the quality system and regulations associated with Biomanufacturing.

BMAN 1180 – Biomanufacturing Experience 2 cr
Prereq: BMAN 1110 and 1120 w/C grade or better or instructor permission. Provides hands-on biotechnology product manufacturing experience, and reinforcement of previously learned concepts, skills, and critical thinking ability.

BMAN 2110 – Good Manufacturing Practices 1 cr
Prereq: BMAN 1150 and 1180 w/C grade or better or instructor permission. Provides foundational knowledge of good manufacturing practices governing the manufacture of biotechnology products. This is key knowledge to working effectively at Biomanufacturing companies.

BMAN 2120 – Verification and Validation 2 cr
Prereq: BMAN 1150 and 1180 w/C grade or better or instructor permission. Provides theoretical knowledge of verification and validation principles as well as practical hands-on training of general methodologies typically used for verification and validation in a Biomanufacturing setting.

BMAN 2130 – Measurement Fundamentals 2 cr
Prereq: BMAN 1150 and 1180 w/C grade or better or instructor permission. Provides the fundamentals of measurement as well as practical hands-on training to reinforce measurement and calibration concepts and skills typically used in a Biomanufacturing setting.

BMAN 2910 – STUDENTfacturED Internship 2 - 4 cr
Prereq: BMAN 1150 or 1180 w/C grade or better or instructor permission. Provides contextual, real-world experience and an opportunity to reinforce previously learned concepts, skills, and critical thinking ability related to business and technical job functions typical of biotech manufacturing companies.

BRC 1101 – Barbering/Cosmetology Orientation Lab I 3 cr
Coreq: BRC 1102 and BRC 1110. The first of two labs intended to be taken concurrently. Orientation lab for experience. Includes: sanitation, shampoos, scalp and hair treatments, men's/women's cuts, styling, perms, coloring, manicures, tapers and shaves.

BRC 1102 – Barbering/Cosmetology Lab II **3 cr**
Coreq: BRC 1101 and BRC 1110. Second of two labs to be taken concurrently. Orientation lab for practice/experience includes sanitation, shampoos, scalp and hair treatments, men's/women's haircuts, styling, perms, hair coloring, manicuring, men's tapers and shaves.

BRC 1110 – Barbering/Cosmetology Orientation Theory **4 cr**
Coreq: BRC 1101 and BRC 1102. Course covers Professional development, Chemistry, Permanent Waving, Hair coloring, skin structure and disorders, nail structures and disorders.

BRC 1201 – Introduction to Barbering/Cosmetology Lab I **3 cr**
Prereq: BRC 1101. Coreq: BRC 1202 and BRC 1210. The first of two labs to be taken concurrently. Practice and experience in all aspects of hairstyling and care, including shampoos, styling, coloring, perms, chemical relaxing, cuts, shaves, tapers, manicures, pedicures, facials, etc.

BRC 1202 – Introduction to Barbering/Cosmetology Lab II **3 cr**
Prereq: BRC 1102. Coreq: BRC 1201 and BRC 1210. The second of two labs taken concurrently. Practice and experience in styling, care, shampoos, coloring, perms, chemical relaxing, cutting, shaves, tapers, manicures, pedicures, facials and scalp massage.

BRC 1210 – Introduction to Barbering/Cosmetology Theory **4 cr**
Prereq: BRC 1110. Coreq: BRC 1201 and BRC 1202. Theory of all aspects of men's/women's hairstyling and care, including shampooing, styling, coloring, permanent waving, chemical relaxing, cutting, shaves, tapers, manicures, pedicures, facials, and scalp massage.

BRC 1470 – Barbering/Cosmetology Math (QS) **3 cr**
This course covers the following topics that are necessary in the Cosmetology field: arithmetic, percents, ratios, English and metric systems, length, area, volume, weight, angle, time measurements, finance, and applications.

BRC 2301 – Intermediate Barbering/Cosmetology Lab I **3 cr**
Prereq: BRC 1201. Coreq: BRC 2302 and 2310. The first of two labs taken concurrently. Cont'd practical experience with shampoos, scalp treatments, manicures, haircutting, styling, perms, coloring, lightening, chemical relaxing, shaves, trichology, pedicures, and esthetics.

BRC 2302 – Intermediate Barbering/Cosmetology Lab II **3 cr**
Prereq: BRC 1202. Coreq: BRC 2301 and BRC 2310. The second of two labs to be taken concurrently. Continued practical experience with shampoos, scalp treatments, manicures, haircuts, styling, perms, coloring, lightening, chemical relaxing, shaves, trichology, pedicures, etc.

BRC 2310 – Intermediate Barbering/Cosmetology Theory 4 cr
Prereq: BRC 1210. This course is a discussion of bacteriology, properties and disorders of the hair and scalp, electricity and light therapy, anatomy and physiology, State Board 10 min. facial, and shaving review.

BRC 2401 – Advanced Barbering/Cosmetology Lab I 3 cr
Prereq: BRC 2301. Coreq: BRC 2402 and BRC 2410. Practical application of haircutting, hairstyling, perms, coloring, hair lightening, shampooing and conditioning, chemical relaxing, manicures, scalp treatments, and esthetics.

BRC 2402 – Advanced Barbering/Cosmetology Lab II 3 cr
Prereq: BRC 2302. Coreq: BRC 2401 and BRC 2410. Practical application of haircutting, hair styling, perms, coloring, hair lightening, shampoo and conditioning, chemical relaxing, manicures, scalp treatments, and esthetics on manikins and clientele.

BRC 2410 – Barbering/Cosmetology State Board Prep 4 cr
Prereq: BCR 2310. Course covers professional development, chemistry, permanent waving, hair coloring, skin structures and disorders, nail structures and disorders.

BRC 2710 – Color Principles 2 cr
Prereq: BRC 1201, BRC 1202 and BRC 1210. Exploration of color principles and laws of color. Teaches hair/coloring and correction, lightening, color formulations, natural levels in hair color and gray hair coverage. Demos/ application of hair color and advanced specialty techniques.

BRC 2810 – Salon Success 2 cr
Preparation for salon work-communication skills, client consultations, image and positive attitude, client profiles, retailing hair care products, booking appointments, client incentives and retention, job interviewing, team building.

BRC 2860 – Ethnic Hair 2 cr
Prereq: CTEL 1010 OR LE 1220; COMM 1010; BRC 1470, 2710 and 2810. This course will explore concepts such as chemical relaxing, soft curl perming, press and curl, ethnic hair products, hair cutting techniques and special needs of various ethnic clients.

BRC 2870 – Advanced Hair Design 2 cr
Prereq: CTEL 1010 OR LE 1220; COMM 1010; BRC 1470, 2710 and 2810. This course is designed to help the students refine their skills to be competitive in a salon. It includes advanced techniques in both men's and women's cutting and styling, and competition styling.

BRC 2990 – Independent Study **0 - 16 cr**
Prereq: Instructor approval. This course is designed for those students needing to accumulate additional clock hours upon completion of required course work.

BTEC 1010 – Introduction to Biotechnology **3 cr**
Prereq: MATH 0990 and RDG 0990 w/C grade or better or equivalent placement test score. Coreq: BTEC 1015. This course teaches students the history, branches, and applications of the biotechnology industry. It also examines the scientific basis for biotechnology products and examines the ethical and legal aspects important in the industry.

BTEC 1015 – Introduction to Biotechnology Lab **1 cr**
Prereq: MATH 0990 and RDG 0990 w/C grade or better or equivalent placement test score. Coreq: BTEC 1010. This course teaches students fundamental theoretical and practical hands-on knowledge of commonly used instruments, preparation of solutions, reagents, and methodology used in the life science laboratory.

BTEC 1030 – Biotechnology Seminar **2 cr**
Prereq: BTEC 1010 and 1015 w/C grade or better. This course teaches students to search, comprehend, and evaluate scientific literature. Students will develop analytical and communication skills necessary to succeed as a productive team member in the biotech field.

BTEC 1060 – Nucleic Acid/Protein Biotechnology **2 cr**
Prereq: BTEC 1010 and BIOL 1610 w/C grade or better. The chemistry of DNA, RNA and proteins will be the foundation for learning about the biological structure, function and analysis of these macromolecules.

BTEC 1080 – Biotechnology Experience **3 cr**
Prereq: BTEC 1010 and 1015 w/C grade or better. This course is an early hands-on research experience in which students conduct mentored research activities. Students apply their knowledge to specific research topics assigned by Biotechnology faculty/staff.

BTEC 2010 – Applied Molecular Biology **3 cr**
Prereq: BTEC 1010 and 1015 w/C grade or better and BIOL 1610 w/C grade or better. This course teaches students practical aspects of DNA technology that includes restriction digestion, properties of plasmids, recombinant DNA cloning, gel electrophoresis, the polymerase chain reaction and protein expression.

BTEC 2020 – Biomolecular Sep and Analysis **3 cr**
Prereq: BTEC 2010 w/C grade or better. Purification and analysis techniques that are applied to biologically active substances are taught. Attention will be given to protein purification and analysis and includes immunological, electrophoretic, and chromatographic technologies.

BTEC 2030 – Cell Culture **2 cr**
Prereq: BTEC 2010 w/C grade or better. Methods of eukaryotic cell culture are taught. Students learn proper techniques to handle, store, and maintain cells in culture. Includes specialized analysis techniques to probe various aspects of cell biology relevant to biotechnology.

BTEC 2040 – Advanced Molecular Methods **3 cr**
Prereq: BTEC 2010 w/C grade or better. This course teaches advanced concepts used in genetic engineering and analysis of gene expression. These include principles of DNA sequencing, quantitative PCR, mutagenesis, and reverse transcription.

BTEC 2050 – Bioinformatics **2 cr**
Prereq: BTEC 2010 w/C grade or better. Students will learn to use computer programs and software to gather, store, analyze and integrate biological data from sources such as whole genomes and other relevant databases. Previous computer knowledge is not needed.

BTEC 2060 – Biotechnology Instrumentation **3 cr**
Prereq: CHEM 1110 and 1115 w/C grade or better; BTEC 1080 or 2100 and BTEC 2010, or BMAN 1150 and 1180 w/C grade or better, or instructor permission. Provides a comprehensive understanding and operational training of instrumentation commonly used in the biotechnology industry, including operational principals, best practices, maintenance procedures,& user-achievable repairs.

BTEC 2100 – Biotechnology Research **4 cr**
Prereq: BTEC 1080 w/C grade or better or instructor permission. This course is a capstone research experience in which students conduct high level mentored research activities on specific research topics assigned by Biotechnology faculty/ staff or in collaboration with biotechnology companies.

BTEC 2900 – Special Topics in Biotechnology **2 - 5 cr**
Prereq: By instructor permission only. Defined by the instructor for students majoring in Biotechnology. Students must contact the instructor prior to registering for the course.

BUS 1040 – Ethics at Work (ID) **3 cr**
Students develop judgment about workplace ethics through critical reading, thinking, writing, research and analysis; consider issues from multiple disciplines/opposing views; choose research/Service Learning related projects and write reports.

BUS 1050 – Foundations of Business (ID) **3 cr**
Prereq: ENGL 1010 or concurrently, or that students have compatible writing skills. Historical, sociological and philosophical overview of the fundamental aspects of business. Topics include business in a world in change, socioeconomics, the human factor and ethics in the workplace and social responsibility in a global market.

BUS 1100 – Applied Business Calculus **3 cr**
Prereq: MATH 1050 or MATH 1090. This course examines the mathematics of calculus applied to business applications. Polynomial and exponential functions, mini-maxi theory, limits, derivatives and integration will be reviewed.

BUS 1910 – Special Projects (PBL) **2 cr**
Students participate in the Phi Beta Lambda organization which promotes competent, aggressive business leadership; understanding of American free enterprise; setting of career goals; building character and self-confidence.

BUS 2200 – Business Communications (CM, IN) **3 cr**
Prereq: ENGL 1010 w/C grade or better. Students develop critical reading, thinking, listening, speaking and writing skills for business; conduct research, assess communication situations, make effective arguments, work in teams and present research/Service Learning related projects.

CCLA 1110 – Construction Craft Laborer 1A **5 cr**
Prereq: APPR 1470 w/C grade or better or appropriate Accuplacer score. An introductory course in the construction craft. Students will gain a basic knowledge of construction safety, hand and power tools, blueprint reading, and an introduction to concrete and building related materials.

CCLA 1120 – Construction Craft Laborer 1B **5 cr**
Prereq: CCLA 1110 w/C grade or better. This course provides students with knowledge and skills concerning foundations and slab on grade methods, and methods for reinforcing, handling and placing concrete and introduces distance measuring and leveling techniques.

CCLA 1210 – Construction Craft Laborer 2A **5 cr**
Prereq: CCLA 1120 w/C grade or better. This course provides students with an in-depth understanding of vertical and horizontal forms. An introduction to crane operation will also be presented.

CCLA 1220 – Construction Craft Laborer 2B **5 cr**
Prereq: CCLA 1210 w/C grade or better. This course provides a basic understanding of ironworking, electrical safety, construction equipment operation, oxy-fuel cutting, and safety concerns associated with high rise construction.

CEAL 0100 – Transition to Teaching **15 hrs**
This orientation class will assist students who have a Bachelor's degree in a subject area taught in Utah schools make a successful transition to teaching through the ARL program.

CEAL 0200 – Managing Behavioral Problems **18 hrs**
Students will learn problem solving skills that will assist them with behavior problems in their classes. Disruptive behaviors will be addressed and strategies to prevent reoccurrence will be taught.

CEAT 0600 – CDL 3rd Party Tester Training **24 hrs**
This training will certify individuals through the Dept of Public Safety, Driver's License Division to administer the CDL road test.

CEBC 0003 – Fast Trac New Venture **0 - 50 hrs**
Comprehensive entrepreneurship-educational program that provides entrepreneurs with business insights, leadership skills and professional networking so that they are prepared to create a new business or expand an existing enterprise.

CEBC 0004 – Fast Trac Planning **27 hrs**
Designed to look at and evaluate business. Take a hard look at all aspects of a company and write a new business plan.

CEBC 0007 – Financial Tools Essentials for Small Businesses **0 - 15 hrs**
This course goes over all the financial needs a small business will encounter

CEBC 0008 – Self-Employment Workshop LDS **4 hrs**
Learn the basics of starting a business and discover the resources in the community to help you manage and improve your business.

CEBC 0010 – Money and How to Get It **1 hrs**
This class is about the types of financing available, what type of financing would be appropriate for your business and how to go about finding and qualifying for funds.

CEBC 0013 – Fast Trac - First Step **0 - 50 hrs**
11 week course: Communicating the business concept, gathering information for feasibility, product and services.

CEBC 0015 – Internet Marketing **0 - 20 hrs**
Learn how to market your business online and how to keep it in the top of all major search engines.

CEBC 0016 – Market Research **12 hrs**
Help with operating a business. Covers information related to establishing business operations and how a business plan can help organize a business. Technical, marketing, financial, and human resource issues will be covered.

CEBC 0017 – Strategic Marketing **12 hrs**
Class for any owner, manager or officer of a small business. Covers 4 essential financial statements - 5 basic analysis tools and more.

CEBC 0018 – Start Smart **2 hrs**
Start Smart Orientations is a 2 hour workshop providing an overview of all services provided by SL SBDC program. Covers basic requirements of starting and growing a business in Utah.

CEBC 0019 – Financing Your Business Conference **5 hrs**
Mini-conference on financial strategies for start-ups and the established small business operator.

CEBC 0020 – My New Enterprise **13.5 hrs**
Essential business information to help you develop your entrepreneurial skills and build your business on a strong foundation. Build a Business Plan.

CEBC 0021 – Internet Marketing **12 hrs**
Introduction to the basic concepts on internet marketing. Great for anyone who wants to launch a web site for business. Helps to determine which types of internet marketing are right for your business.

CEBC 0022 – The Optimal Path **16 hrs**
Introduction and development from a Business Idea to a Business Model and Business Plan.

CEBC 0034 – 7 Habits of Small Business Managers **12 hrs**
7 essential habits that highly effective managers share.

CEBC 0047 – Law School for Small Business **0 - 20 hrs**
Receive expert legal advice on today's hottest legal topics facing entrepreneurs.

CEBC 0060 – Small Business Employee Tax Withholding **0 - 20 hrs**
Learn about withholding income for federal/state taxes, social security, worker's compensation insurance and unemployment compensation. Completing employment tax forms and depositing taxes. Presented by IRS, Tax commission, Workforce Services, and Labor Commission.

CEBC 0061 – Sole Proprietor **0 - 20 hrs**
Offers help for business owners to understand and comply with federal/state statutes and reporting requirements for Sole Proprietors.

CEBC 0062 – SCORE Training **3 hrs**
How to form a limited liability company.

CEBC 0063 – Choosing A Business Entity **0 - 20 hrs**
Class addresses the potential liabilities and tax considerations when choosing a legal structure for your business.

CEBC 0065 – LLC Workshop & S-Corp **0 - 20 hrs**
Help for business owners to understand and comply with federal/state statutes and reporting requirements for LLC.

CEBC 0069 – How to Find Customers **0 - 30 hrs**
Explores the pitfalls and common mistakes made by most new businesses. Identifying your company's top priorities how to identify your business' competitive advantages. 6 rules for creating good messaging.

CEBC 0070 – Partnership Workshop **0 - 20 hrs**
Help business owners understand and comply with federal/state statutes and reporting requirements.

CEBC 0100 – Salt Lake SBDC - Counseling **0 - 100 hrs**
Salt Lake SBDC Counseling Sessions. Sessions run for 1 hour and .5 hours for prep and reporting.

CEBI 0001 – Biz Net Connect **0 - 30 hrs**
MBIC/SBDC monthly business networking event.

CECD 0200 – BIM for Contractors - I **0 - 10 hrs**
Specific Construction Management context. What is BIM? Definitions and introduction into terminology. Software introduction into various types and functions of the BIM software. Hardware needed; Intro to Revit/Revit Structure/Revit MEP, Navigation, Navisworks, BIM basic Project Management.

CECD 0201 – BIM for Contractors - II **0 - 10 hrs**
Build more for BIM managers and those individuals who will interact at a higher level with the technology. The recommended Technology would be Navisworks Manage, Sketch up and Revit Architecture.

CECD 0205 – Navisworks Manage 2011 **10 hrs**
Autodesk Navisworks Manage provides the most complete Navisworks design project review solution. Includes the functionality of both Autodesk Navisworks Review and Autodesk Navisworks Simulate.

CECD 0300 – AutoDesk Revit Architecture **0 - 40 hrs**
Covers basics of Revit Architecture, from schematic design through construction documentation introduces student to the concepts of building information modeling and tools for parametric building design and documentation.

CECD 0301 – Revit MEP **0 - 50 hrs**
Building information modeling and the tools for parametric MEP systems design and documentation using Autodesk Revit MEP.

CECD 0302 – Autodesk Revit MEP-HVAC Plumb **24 hrs**
Revit MEP basics specific to HVAC/Plumbing.

CECD 0303 – Autodesk Revit MEP-Electrical **0 - 50 hrs**
Revit MEP basics-specific to electrical.

CECD 0304 – Advanced Revit Architecture **24 hrs**
Advanced Revit Architecture, Parametric building modeler for architects that allow changes anytime, anywhere in the design process.

CECD 0305 – Autodesk Revit Families **18 hrs**
Extrusions, blends, reference lines and planes, family categories, labels parameters, type catalogs, constraints and connectors.

CECD 0400 – AutoCAD I **0 - 24 hrs**
Over 70 percent of the 2D drafting commands are covered. Draw, edit, construct and display drawings. Learn to use layering, dimensioning and text to create simple drawings with notes and title blocks. Finally, plot these drawings.

CECD 0410 – AutoCAD LT Essentials **24 hrs**
Teaching the features, commands and techniques for creating, editing and printing drawing with AutoCAD LT. Topics include annotation, hatching, dimensioning, layers and line types and working with reusable content.

CECD 0500 – AutoCAD II **24 hrs**
Increase efficiency by using blocks, attributes, xrefs and paper/model space. Learn dimensioning variables, dimension styles, grips, hatching and splined curves. Learn to import and export data with AutoCAD.

CECD 0610 – AutoCAD 2002 Update **8 hrs**
One day workshop covering new features of AutoCAD 2002.

CECD 0620 – Transitioning From AutoCAD2002 **12 hrs**
This course will introduce the student to the significant changes in AutoCAD from AutoCAD 2002 to AutoCAD 2006.

CECD 0700 – AutoLISP **24 hrs**
This course teaches you how to use proper syntax and functions to create programs that will streamline your drawing process. Become more productive with AutoLISP.

CECD 0730 – Autodesk Civil 3D **24 hrs**
Students learn to create and edit points, alignments, and profiles, and to create and analyze surface data. They will perform corridor modeling, create subassemblies and cross-sections, and perform grading operations.

CECD 0830 – Architectural Desktop I **24 hrs**
Learn how to use new tools for mass modeling, space planning, grid layout, object anchoring and presentation. Learn to create and manipulate intelligent 3D wall, door, window, stair and roof objects and much more.

CECD 0840 – Land Development Desktop I **24 hrs**
Covers Autodesk's Land Development Desktop software in detail. Topics include coordinate geometry, editing surfaces site analysis, parcel layout and design and horizontal alignments. Learn the project mgt and interface tools.

CECD 0880 – Solidworks **0 - 50 hrs**
A complete 3D CAD solution providing your design team with all of the data management and communication tools they need. Learn to work smarter and faster with this 3D CAD software. Learn to use time saving tools to develop better products.

CECD 0890 – Autodesk Inventor Level I **24 hrs**
Learn to create, edit, document, print, analyze, dimension and produce 2D sketches and 3D parametric parts and assemblies. Also learn basic 3D modeling techniques and become familiar with Inventor's Design Support System.

CECD 0905 – AutoCAD Electrical **8 hrs**
Students will learn the important features of AutoCAD Electrical, building schematics, panels and circuits reusing circuit and component information, customizing components, preparing reports from schematics.

CECD 0970 – Autodesk 3DsMax Design **24 hrs**
A complete end to end reference that provides users with complete info on all the features and options available in the latest version of 3DsMax design.

CECD 0980 – Autodesk 3ds Max Design II **24 hrs**
A complete end to end reference that provides users a complete info on all of the features and options available in 3ds max design. This is an advanced course.

CECT 0006 – 2011 National Electrical Code **8 hrs**

Course will cover over 400 new codes and definitions of the 2011 NEC Requirements for electrical installations. Major changes allowing new forms of alternate energy to power electric vehicles will be studied.

CECT 0007 – Motor Controls **8 hrs**

Course will cover how to safely start and stop motors. Through the use of fuses, breakers and overloads, stop high currents from damaging motors and equipment and safe guard persons operating equipment.

CECT 0008 – Understand Gray Areas of Code **4 hrs**

Course will cover new and existing code for wiring and junction boxes. Topics will include wire sizing, conduits, junction boxes, fuses, breaker sizes, circuits and voltage drops. Value of right vs. cheap discussed.

CECT 0009 – Electrical Safety & Code Rev **8 hrs**

Course covers new code changes, existing code, and common mistakes made on job sites. Learn how to prevent costly mistakes resulting in fines and penalties. New rules on lugs & terminals and GFCI placement in residential dwellings reviewed. Safety, personal protective equipment, OSHA rules, grounding rules and motor control diagrams covered. Must bring a 2011 code book and a calculator to class.

CECT 0010 – LEED: Construction & Design **0 - 20 hrs**

Overview of LEED principles and the LEED rating system used to measure and certify buildings that employ green building principles in their construction and design.

CECT 0020 – Mechanics' Liens in Utah **0 - 20 hrs**

Overview of mechanic's lien laws to help contractors and suppliers become more familiar with current laws in Utah. Learn the steps you need to take to help protect your lien rights.

CECT 0030 – Construction Insurance Issues **0 - 20 hrs**

This presentation will help contractors and material suppliers become more familiar with what their insurance policy may or may not cover and how they can best protect themselves in the event misfortune occurs as a result of their work.

CECT 0040 – Litigating Construction Cases **0 - 20 hrs**

Litigation in construction cases is the focus. Pros and cons of alternative dispute resolution and the expense associated with litigation will be covered. Includes tips to avoid litigation in the future.

CECT 0050 – Construction Contracts in Utah **0 - 20 hrs**
Explore several common provisions in contracts and discuss how Utah law may enhance or modify provisions. Topics include: indemnification, alternate dispute resolution, prompt payment and attorney fees.

CECT 0060 – AIA/Consensus DOCS **0 - 20 hrs**
AIA A201 form and the new Consensus DOCS contracts endorsed by the Assn of General Contractors will be discussed. Recent changes along with suggestions for usage will be presented.

CECT 0070 – Advanced Leed Topics **0 - 20 hrs**
Course focuses on green building and energy conservation issues as taught by an expert in energy conservation- building and contractor issues.

CECT 0080 – Construction Law Updates **0 - 20 hrs**
Overview of how recent changes to laws by the Utah Legislature and the impact on a Contractor's business. Review of regulations as they pertain to construction trades and how court decisions have impacted Utah contractors.

CECT 0090 – Intl Bldg Code/Commrcl Bldgs **0 - 20 hrs**
Review information on current International Residential Building Code requirements. Overview of the changes from 2003-2006 IRC and learn about the state of Utah Building Code amendments with respect to commercial buildings.

CECT 0100 – Legal Issues for Contractors **3 hrs**
Focus is on how patent-pending construction techniques improve the industry and how the potential for liability occurs when using another's proprietary and protected intellectual property.

CECT 0110 – Intl Residential Code **0 - 20 hrs**
Review information on current Intl Residential Building Code requirements. Overview of the changes from 2003-2006 IRC and learn about the state of Utah Building Code amendments with respect to residential buildings.

CECT 0111 – Patent Protection Basics **1 hrs**
Learn the basics of patent law and how to obtain or interface with patent protection. Class offers step-by-step approach to patent your engineering method or design or interface and navigate around another's patented rights.

CECT 0112 – Intellectual Property & Copyright **1 hrs**
Review of Intellectual Property aspects and issues involved in the engineering and construction industry. Understand how to copyright-protect your engineering drawings or designs or handle another's copyright protected material.

CECT 0113 – 7 Habits of Effective Contractors **3 hrs**
Contractors are led through a step by step process of how to run their contractor practice, their personal lives, their employees, and their organizations optimally and efficiently. From Dr. Stephen Coveys best-selling book.

CECT 0114 – 7 Habits of Contractor Manager **1 hrs**
Course teaches contractor managers how to develop and apply skills and optimum leadership in their profession. Based on Dr. Stephen Covey's best selling book, The 7 Habits of Highly Effective People.

CECT 0115 – Easy Designs for Park Strips **1.25 hrs**
Narrow, hot and dry, park strips can be difficult areas to landscape. Learn how to design park strips that take less water and look beautiful.

CECT 0116 – Best Native Plants for Utah **1.5 hrs**
Utah is full of plants that are beautiful, adapted to the climate and grow naturally. Find out the Utah-native plants that work best for you.

CECT 0117 – Go Native! **1.25 hrs**
Utah-native plants require less water and maintenance and are adapted to our environment. Learn how to use their beauty in your landscape.

CECT 0118 – Drip Irrigation Basics **15 hrs**
Drip irrigation saves water but can be confusing to design and install. Learn about different drip system products and which will work best for you as well as easy installation techniques for sure-fire success.

CECT 0119 – Learn with Joy In The Garden **2 hrs**
Radio host and garden consultant Joy Bossi will tour the Conservation Garden Park, providing many excellent landscaping insights and ideas. Come with your questions and walking shoes.

CECT 0120 – The New Face of Marketing **2.5 hrs**
From face-to-face to Facebook, the marketing landscape continues to evolve. Old school or new school, the objective remains the same: How do I send the right message, to the right person, at the right time? Marketing can make all the difference. This course merges marketing fundamentals with yesterday's and today's strategies with one objective: Getting results!

CECT 0121 – Construction Meets EPA **1 hrs**
A Supreme Court ruling has the potential to impose heavy regulations on commercial construction. Findings by the EPA indicate greenhouse gases pose a significant danger to health. While compliance has been pushed into the future, there are court challenges that could bring those regulations crashing down on the construction industry. This program will help you learn what impact they may have.

CECT 0122 – Introduction Green Building Rating System 0.5 hrs
This presentation provides an introduction to green building, what it is, and how it is applied via various green building rating systems in the United States.

CECT 0123 – OSHA & Multi-Employer Policy 1 hrs
We will discuss OSHA's role and what employers need to do to comply with the OSHA regulations. We will look at Inspections, PPE, OSHA Recordkeeping and Reporting, Hazard Communication, OSHA whistleblower laws and employee rights. We will also spend time looking at OSHA's focus four in regards to construction accidents. We will spend some time discussing OSHA's Multi-Employer Citation policy.

CECT 0124 – Profitability or Bust 1 hrs
Job costing is important to contractors to: prepare estimates, run and manage jobs, forecast jobs, and support forclaims and change orders. The key is determining your key performance indicators (KPIs) and accumulate, record and report costs accordingly.

CECT 0125 – Stix & Brix to Dollars &Sense 2 hrs
Business can be easier than we make it. This class will focus on the how to's of transitioning from trade specifics to business specifics. If you are losing sleep wondering what to do next with your business, this class is for you! Whether you're in survival mode or you want to gain market share, you will leave with some clear next steps to give you solid footing to achieving excellent results.

CECT 0200 – Utah Code Book Review 3 hrs
Focus is on the DOPL Contractor's State Code Book additions and supplements for the current year.

CECT 0201 – LEED 101 0 - 20 hrs
Overview of LEED (Leadership in Energy and Environmental Design) principles and the LEED rating system used to measure and certify buildings that employ green building principles in their construction and design.

CECT 0202 – Advanced LEED 0 - 20 hrs
Course focuses on green building and energy conservation issues taught by an expert in energy conservation building.

CECT 0203 – Mechanics' Liens Law 0 - 20 hrs
Overview of Mechanics' lien laws and their relationship to current laws in Utah. Students will learn the steps they need to take to help protect their lien rights.

CECT 0204 – Insurance Legal Issue in Const 0 - 20 hrs
Engineers will become more familiar with construction insurance policies, what they cover and how to protect yourself in the event of misfortune as a result of your work.

CECT 0205 – Litigating a Construction Case **0 - 20 hrs**
Litigation in construction cases is the focus of the lecture. The pros and cons of alternative dispute resolution and the expense associated with litigation. Session will conclude with tips to avoid litigation in the future.

CECT 0206 – Successful Contracts **0 - 20 hrs**
Explore several common provisions in construction related contracts and learn how Utah law may enhance or modify provisions. Topics include: Indemnification, alternate dispute resolution, prompt payment and attorney fees.

CECT 0207 – Construction Law Topics **0 - 20 hrs**
The AIA A201 (American Institute of Architects) form and the consensus DOCS contracts endorsed by the Association of General Contractors will be discussed. Recent changes along with the suggestions for usage will be presented.

CECT 0208 – Construction Legislative Topic **0 - 20 hrs**
Overview of how relatively recent changes to laws by the Utah Legislature in 2009 session impact an Engineers business. Review of regulations as they pertain to construction trades and how court decision have impacted Utah contractors.

CECT 0209 – IBC Commercial Codes **0 - 20 hrs**
Information on current International Commercial Building Code requirements. Overview of the changes from 2003-2006 IRC and State of Utah Building Code amendments with respect to commercial buildings.

CECT 0210 – IRC Residential Code **0 - 20 hrs**
Review of current International Residential Building Code requirements. Overview of the changes from 2003-2006 IRC Utah Building Code amendments with respect to residential building.

CECT 0211 – 7 Habits of Engineer Managers **1 hrs**
Course teaches engineer managers how to develop and apply skills for optimum leadership in their profession. Based on Dr. Stephen Covey's best-selling book The Seven Habits of Highly Effective People.

CECT 0212 – 7 Habits of Effective Engineer **3 hrs**
Engineers are led through a step-by-step process of how to successfully apply time, relationship and Career Dev skills within engineering careers. Based on Dr Stephen Covey's best selling book, The Seven Habits of Highly Effective People.

CECT 0213 – 7 Habits of Engineer Managers CD **1 hrs**
Course teaches engineer managers how to develop and apply skills for optimum leadership in their profession. Based on Dr. Stephen Covey's bestselling book, The 7 Habits of Highly Effective People.

CECT 0214 – 7 Habits of Effect Engineer CD **3 hrs**
Engineers are led through a step by step process of how to successfully apply time, relationship and career dev skills within engineering careers. Based on Dr. Stephen Covey's bestselling book, The 7 Habits of Highly Effective People.

CECT 0215 – Patent Protection Basics **1 hrs**
Learn the basics of patent law and how to obtain or interface with patent protection. Class offers step-by-step approach to patent your engineering method or design or interface and navigate around another's patented rights.

CECT 0216 – Intellectual Prop & Copyright **1 hrs**
Review of Intellectual Property aspects and issues involved in the engineering and construction industry. Understand how to copyright-protect your engineering drawings or designs or handle another's copyright protected material.

CECT 0300 – LEED 101 **0 - 20 hrs**
Overview of LEED (Leadership in Energy and Environmental Design) principles and the LEED rating system used to measure and certify buildings that employ green building principles in their construction and design.

CECT 0301 – Advanced LEED **0 - 20 hrs**
Course focuses on green building and energy conservation issues taught by an expert in energy conservation building.

CECT 0302 – Mechanics' Liens Law **0 - 20 hrs**
Overview of Mechanics¿ lien laws and their relationship to current laws in Utah. Students will learn the steps they need to take to help protect their lien rights

CECT 0303 – Insurance Legal Issues in Construction **0 - 20 hrs**
Become more familiar with construction insurance policies, what they cover and how to protect yourself in the event of misfortune as a result of your work.

CECT 0304 – Litigating a Construction Case **0 - 20 hrs**
Litigation in construction cases is the focus of the lecture. The pros and cons of alternative dispute resolution and the expense associated with litigation. Session will conclude with tips to avoid litigation in the future.

CECT 0305 – Successful Contracts **0 - 20 hrs**
Explore several common provisions in construction related contracts and learn how Utah law may enhance or modify provisions. Topics include: Indemnification, alternate dispute resolution, prompt payment and attorney fees.

CECT 0306 – Construction Law Topics **0 - 20 hrs**
The AIA A201 (American Institute of Architects) form and the consensus DOCS contracts endorsed by the Association of General Contractors will be discussed. Recent changes along with the suggestions for usage will be presented.

CECT 0307 – Construction Legislative Topic **0 - 20 hrs**
Overview of how relatively recent changes to laws by the Utah Legislature in 2009 session impact an Engineers business. Review of regulations as they pertain to construction trades and how court decision have impacted Utah contractors.

CECT 0308 – IBC Commercial Codes **0 - 20 hrs**
Information on current International Commercial Building Code requirements. Overview of the changes from 2003-2006 IRC and State of Utah Building Code amendments with respect to commercial buildings.

CECT 0309 – IRC Residential Code **0 - 20 hrs**
Review of current International Residential Building Code requirements. Overview of the changes from 2003-2006 IRC Utah Building Code amendments with respect to residential building.

CECT 0310 – Patent Protection Basics **0 - 20 hrs**
Learn the basics of patent law and how to obtain or interface with patent protection. Class offers step-by-step approach to patent your engineering method or design or interface and navigate around another's patented rights.

CECT 0311 – Intellectual Property & Copyright **0 - 20 hrs**
Review of Intellectual Property aspects and issues involved in the engineering and construction industry. Understand how to copyright-protect your engineering drawings or designs or handle another's copyright protected material.

CECT 0400 – LEED 101 **0 - 20 hrs**
Overview of LEED (Leadership in Energy and Environmental Design) principles and the LEED rating system used to measure and certify buildings that employ green building principles in their construction and design.

CECT 0401 – Advanced LEED **0 - 20 hrs**
Course focuses on green building and energy conservation issues taught by an expert in energy conservation building.

CECT 0402 – Mechanics' Liens Law **0 - 20 hrs**
Overview of Mechanics' lien laws and their relationship to current laws in Utah. Students will learn the steps they need to take to help protect their lien rights.

CECT 0403 – Insurance Legal Issues in Construction **0 - 20 hrs**
Become more familiar with construction insurance policies, what they cover and how to protect yourself in the event of misfortune as a result of your work.

CECT 0404 – Litigating a Construction Case **0 - 20 hrs**
Litigation in construction cases is the focus of the lecture. The pros and cons of alternative dispute resolution and the expense associated with litigation. Session will conclude with tips to avoid litigation in the future.

CECT 0405 – Successful Contracts **0 - 20 hrs**
Explore several common provisions in construction related contracts and learn how Utah law may enhance or modify provisions. Topics include: Indemnification, alternate dispute resolution, prompt payment and attorney fees.

CECT 0406 – Construction Law Topics **0 - 20 hrs**
The AIA A201 (American Institute of Architects) form and the consensus DOCS contracts endorsed by the Association of General Contractors will be discussed. Recent changes along with the suggestions for usage will be presented.

CECT 0407 – Construction Legislative Topic **0 - 20 hrs**
Overview of how relatively recent changes to laws by the Utah Legislature in 2009 session impact an Engineers business. Review of regulations as they pertain to construction trades and how court decision have impacted Utah contractors.

CECT 0408 – Patent Protection Basics **0 - 20 hrs**
Learn the basics of patent law and how to obtain or interface with patent protection. Class offers step-by-step approach to patent your engineering method or design or interface and navigate around another's patented rights.

CECT 0409 – Intellectual Property & Copyright **0 - 20 hrs**
Review of Intellectual Property aspects and issues involved in the engineering and construction industry. Understand how to copyright-protect your engineering drawings or designs or handle another's copyright protected material.

CECT 0410 – 7 Habits of Effective Attorney **3 hrs**
Attorneys are led through a step by step process of how to successfully apply time, relationship and career dev skills with engineering careers. Based on Dr. Stephen Coveys bestselling book, The Seven Habits of Highly Effective People.

CECT 0500 – 7 Habits of Effect Funeral Director **3 hrs**
Funeral directors are led through a step by step process of how to successfully apply time, relationship and career skills within funeral careers. Based on Dr Stephen Coveys bestselling book, The Seven Habits of Highly Effective People.

CECT 0501 – Funeral Director Management **3.5 hrs**
Funeral Directors are shown ways to gain a different way of thinking for both personal and professional focus and accomplishment. This course will help participants better understand and identify the tasks and priorities that matter most, which will enable them to perform to their best abilities.

CECT 0600 – Focus For Teachers **3 hrs**
This module is presented in a way to help you gain a different way of thinking for both personal and professional focus and accomplishment. Performing to your best abilities is a goal that we all want but fall short of sometimes. This module will help you better understand and indentify the tasks and priorities that matter most, which will enable you to reach this goal.

CECT 0650 – Stay on Task/Maintaining Care **1 hrs**
The responsibilities of a Radiation Therapist require patients being treated with precision and attention to detail. There also needs to be a compassionate approach to patient care. Using both approaches of precision and compassion provide a complete approach to the patient's daily treatment experience.

CECW 0110 – Word Level I **6 hrs**
Tasks include working with the Office Assistant, using basic document editing skills, correcting spelling and grammar, formatting characters, paragraphs, documents, using styles, headers, footers and online Help.

CECW 0124 – Word Level II **6 hrs**
Prerequisite: CECW 0110, Word level I. Students learn to insert dates and symbols, create and format tables, graphics, watermarks, word art, templates and wizards, columns, mail merge, sort table data, format bullets, numbered lists and Macros.

CECW 0125 – Word Level III **6 hrs**
Students learn auto format, auto correct, auto text, find/ replace, view, charts/diagrams, hyperlinks, headers/ footers, table of contents, table of authorities, document index, bookmarks, foot/endnotes, revisions comments and master docs.

CECW 0210 – Excel Level I **6 hrs**
Introduces skills for developing workbooks, creating simple formulas, copying and moving data, printing data, preparing worksheets for publication, formatting numbers, text, cells, columns and rows, using automatic formatting, styles and help.

CECW 0211 – Excel Large Worksheets **3.5 hrs**
Tasks include working with multiple worksheets, outlines, labels in formulas, managing worksheets, using HTML files, paste special, range names and other functions.

CECW 0212 – Excel Charts and Graphics **3.5 hrs**
Tasks include creating and editing charts, drawing objects, using AutoShapes, managing data and files, and customizing Excel preferences.

CECW 0213 – Excel Database Management/Pivot Tables **3.5 hrs**
Introduces skills for creating databases, sorting data, working with the data form, using AutoFilter, advanced filters, and database functions.

CECW 0214 – Excel Advanced Functions **3.5 hrs**
Tasks include creating data series, using lookup and logical functions, rounding numbers, creating and using data tables, solving problems, using scenarios, goal seeking and protecting worksheets.

CECW 0215 – Excel Organizational Tools **3.5 hrs**
Tasks include using styles, customizing formats and templates, consolidating worksheets, working with comments and custom views, sharing workbooks, auditing tools and the Report Manager.

CECW 0216 – Excel Macros, Toolbars **3.5 hrs**
Tasks include using, recording, editing and debugging macros customizing functions, toolbars and buttons, creating macro buttons and menus.

CECW 0230 – QuickBooks Beginning **6 hrs**
Accounting basics/how QuickBooks works, set up own company file, customize desktop, merging names, profit and loss report, balance sheet, tracking loans from owners, historical data entry, writing letters by exporting to Word.

CECW 0231 – QuickBooks Intermediate **6 hrs**
Tracking fixed assets and their associated liabilities, depreciation, prepaid expenses, memorized transactions, making deposits not related to receivables, sales tax, petty cash, budgets, and credit card transactions.

CECW 0232 – QuickBooks Advanced **6 hrs**
Prerequisites: Basic understanding of Windows. Payroll, Job Costing, Inventory Mgt, and accounting for trades, writing off bad debt, passwords, graphs, year end issues, W-2's, 1099's, 940, Find feature, and statement of cash flow.

CECW 0305 – Introduction to Personal Computers (PC) 6 hrs
Windows features, working with views, toolbars, multiple windows, file management, shortcuts, Windows Explorer, searching, My Computer and Control Panel, customizing display, Taskbar and Start menu, printing, accessories and Help.

CECW 0307 – Mac Overview 8 hrs
Course covers both how to secure Linux and how to use Linux as a security device for your own network. Topics covered include IP filtering, proxy services, secure shell, intrusion detection, and virtual private networks.

CECW 0401 – Understanding Databases 6 hrs
Participants learn the basic terminology, design methodology and relational concepts of a database. The course includes exercises in analyzing real-world database examples as well as relating database design to business issues.

CECW 0405 – Access Level I 7 hrs
Tasks include creating and modifying tables, setting field properties, using filters, printing data, querying, reporting, creating relationships.

CECW 0406 – Access Level II 7 hrs
Tasks include modifying tables, using operators in queries, action queries, query wizards and database file utilities. Using advanced features of forms and reports, manipulating controls, and using design views.

CECW 0407 – Access Level III 7 hrs
Advanced features including charts, sub forms, form letters, indexing and replicating databases. Creating/running macros assigning actions and conditions, creating group macros, creating and modifying switchboards, menus and toolbars.

CECW 0408 – Access Adv Topics: Query Topic 7 hrs
Introduces advanced query writing skills. Tasks include techniques for basing one query on another, using functions in queries, adding conditional IF statements to calculations, and troubleshooting complex queries.

CECW 0409 – Access Adv Topics: Reporting 7 hrs
Introduces advanced report writing skills. Tasks include creating a custom form for entering query criteria for the report, printing criteria on a report, changing the sort order of a report on the fly, and using sub-reports.

CECW 0410 – Access- Advanced Topics: Macro **7 hrs**
Advanced uses for macros and how they relate to Visual Basic Tasks include creating macro groups for better organization, using the Set Value macro to set properties, creating a splash screen and converting macros to Visual Basic code.

CECW 0414 – Access Advanced Security **7 hrs**
Learn to set up security for your MS Access database using the Security wizard. Create/modify users/passwords, customize user/group rights, use Workgroup Administrator, implement security on a network.

CECW 0429 – Access Special Topics **7 hrs**
Access updates.

CECW 0504 – Outlook Level I **3 hrs**
Learn how to work with Outlook Messages and Message features, Calendar, Contacts, Tasks, and organizing Outlook items.

CECW 0507 – MS Office Overview **0 - 20 hrs**
Provides an introduction to Word for Windows, Excel spread- sheets and PowerPoint presentations. This class is five consecutive weeks of 4 hours each day.

CECW 0508 – MS Project Level I **0 - 50 hrs**
Tasks include working with tasks, views, outlines, working with resources, calendars and assigning costs.

CECW 0601 – Internet Overview **3 hrs**
Introduces the skills necessary to begin using the Internet. Students will learn Internet terms and definitions, how to use Internet Explorer and Firefox browsers, how to navigate forward, back and home, how to create bookmarks, use search engines to locate information, , and how to print information. Internet email (Yahoo, Gmail or Hotmail) and social networking sites Facebook, LinkedIn and Twitter will also be explored.

CECW 0603 – Dreamweaver **0 - 12 hrs**
Dreamweaver is a professional Web site design and production tool that gives you the power you need for rapid Web development. DreamWeaver will help you build better Web sites faster.

CECW 0607 – Flash **0 - 12 hrs**
Introduces Flash MX to the first time user. Learn how to import external files such as images, sounds and movies.

CECW 0609 – eBay Selling **6 hrs**

Topics include opening a seller account, doing effective research, creating listings, setting pricing, opening a PayPal account, learning how to monitor your listings, completing transactions, and learning how to pinpoint fraud.

CECW 0612 – CSS & XHTML **0 - 12 hrs**

Tasks include explanation of CSS, how inline, embedded, and external style sheets are used, how to add a background color or image to a Web page through style sheets, format text, and links with style sheets, XHTML with CSS.

CECW 0613 – Personal Websites **3 hrs**

In this class, you will learn how to create a professional looking personal website with FREE tools available on the web! By creating a personal website, you are able to keep in touch with family and friends by sharing photos, family newsletters, favorite recipes, or any document that you wish to share. Students are encouraged to bring their ideas to class to create their first website during this course. Sample Projects include photo galleries, slide shows, ePortfolios, vacation memories, family gatherings, and document projects.

CECW 0701 – Publisher **0 - 6 hrs**

Tasks include exploring Publisher, working with the office assistant, publications, correcting spelling errors, enhancing publication text printing, sending and publishing presentations.

CECW 0703 – PowerPoint Level I **6 hrs**

Tasks include working with the outline pane, correcting spelling, enhancing text, printing, publishing, using graphic images, tables, slide sorter view, slide master, drawing objects, edit multiple presentations and using Help.

CECW 0704 – PowerPoint Level II **0 - 20 hrs**

Tasks include creating basic charts, customizing presentations, editing notes and handout masters, setting up and expanding a slide show, customizing toolbars, importing charts, create organization charts, using tables, exporting.

CECW 0800 – Photoshop Level I **6 hrs**

Photoshop Overview.

CECW 0801 – PhotoShop Level II **6 hrs**

This workshop covers the advanced features and functions of PhotoShop. Before taking this course, students should have photo editing skills, and they should know how to create artwork for both print and Web.

CECW 0803 – Adobe Acrobat Professional **6 hrs**
Provide students with the skills needed to create, edit, save and secure PDF documents.

CECW 0804 – Illustrator Level I **6 hrs**
Introduces students to Adobe Illustrator; how to start, open a file, and identify interface components; navigate in the artwork window; create, save, print and close files.

CECW 0805 – Illustrator Level II **6 hrs**
Manage colors by applying blending modes and gradient meshes, create masks to hide and reveal areas of underlying artwork through specific shapes.

CECW 0806 – Indesign Level I **6 hrs**
This workshop helps students design and produce professional print documents and layouts. Students will learn how to manipulate text, shapes, colors, and frames to create eye-catching print products.

CECW 0807 – Indesign Level II **6 hrs**
Learn how to manipulate page layout, control the appearance of text and tables, and create books, tables of content, and indices; convert documents to PDF, HTML, and XML format, work with XML features and tags, and apply a variety of print options.

CECW 0820 – Video Editing **9 hrs**
Prerequisite: Basic understanding of Windows Length: 9 Hours
Students will learn how to create a movie using Adobe Premiere Elements software. This hands-on course guides students through the process of creating a movie from start to finish, leaving time for questions and answers about the many editing options that Adobe Elements provides.

CECW 0825 – Visio **6 hrs**
Use Microsoft Visio software to communicate information by using diagrams. Students will learn about the Visio environment how to use stencils, scale and resize objects, draw basic shapes, manipulate compound lines, and distribute and group objects. They will also learn how to create network diagrams, drawings, org charts, work with text, format shapes and lines, apply a background page, advanced layout and connection techniques.

CECW 0990 – MS Office Special Topics **0 - 10 hrs**
MS Office Special Topics

CECW 0991 – CWS Special Topics **12 hrs**
Special Topics workshop

CEDM 0010 – Autodesk 3D Basics **45 hrs**
Course focuses on basic Autodesk 3D applications used to model, texture, light and render a single scene. Basic use interface interactivity and familiarity with common practice in the media and entertainment industry.

CEDM 0020 – Autodesk Maya Basics **0 - 45 hrs**
Course focuses on basic Maya 3D software applications used to model, texture, light and render a single scene. Basic user interface interactivity and familiarity with common practice in the media and entertainment industry.

CEDM 0100 – Blogs **2 hrs**
Get started on your social marketing plan by entering the blogosphere. Learn how to set up a blog through hands on experience. Market yourself or your company for free using an internet connection and your imagination.

CEDM 0110 – Facebook and Twitter **2 hrs**
Connect with others to promote yourself or your business with Facebook and Twitter. Participants will set up personal accounts and discuss how to stand out in the social networking crowd.

CEDM 0120 – Podcasts **2 hrs**
Learn how to connect with your world through Podcasts. Create your own podcast and discover strategies to expand your social network as well as create brand evangelists out of your current contacts.

CEDM 0130 – YouTube **2 hrs**
Find out how to create videos and upload them to YouTube for use in social marketing campaigns. Learn how to set up an account for you or your business. Discover strategies for finding communities and other social networkers.

CEDM 0140 – Webinars **2 hrs**
Understand how to set-up and broadcast a webinar. Sample webinar providers and learn how to create an overall social network market strategy.

CEDM 0150 – E-Mail Newsletters **2 hrs**
Learn about E-Mail Newsletters and how to set up, run and evaluate a successful email marketing campaign. Explore the group mail features of your own email software.

CEDM 0200 – Competitive Intelligence **3 hrs**
Learn metadata and search engine skills. Use knowledge bases and predictive databases to get information. Aimed at professionals seeking to enhance their position in the global marketplace.

CEDM 0210 – Knowledge Management **4 hrs**
Learn the process by which electronic information is accessed, organized, evaluated, and applied; the technical processes used to access electronic information and various platforms which information is distributed.

CEEI 0040 – Pruning Made Painless **1.5 hrs**
Learn Proper pruning principles and memorize the first rule of pruning. ¿He or She, who hold the pruners makes the rules.

CEEI 0050 – Grow Your Soil First **1.5 hrs**
Good Preparation makes good gardens. Acquire the right gardening skills from the ground up.

CEEI 0060 – Planting by the Seasons **1.5 hrs**
Are you too early? Too late? When do you plant a veggie garden? Come develop a schedule that will fit your garden.

CEEI 0100 – Digital SLR Photo-Entry Level **10 hrs**
Do you want to learn how to go beyond a point and shoot snapshots? Learn the basics of SLR photography: ISO, Program Modes, Aperture, Shutter Speed, Priorities, Depth of Field, Photo Composition and much more. Be sure to bring your SLR Digital camera and instruction manual to class.

CEEI 0110 – Digital SLR Photo-Intermediate **10 hrs**
Prerequisite: CEEI 0100. Learn more about metering, natural light, photographing children, equipment, HDR, and the basics of Photoshop elements, light room, and CS5. Students will also experience studio lights in a workshop. Be sure to bring your SLR digital camera and instruction manual to class.

CEEI 0115 – Digital SLR Photo-Advanced **10 hrs**
Prerequisite: CEEI 0120. Learn how to take the following photographs: studio lighting, night children, landscape and HDR. This class also includes Adobe Lightroom, Photoshop CS5, and Photoshop Elements. Bring your SLR Camera.

CEEI 0120 – How to Take Better Photographs **8 hrs**
This class is open to all photographers of any level, with any camera (Point and Shoot, DSLR, SLR etc..) Learn to take a good photograph, a great photograph, a unforgettable photograph and the difference between them. Learn principles of composition, lighting, subject matter, cropping etc.

CEEI 0200 – Uncontracted Braille A to Z **0 - 20 hrs**
Have you always wanted to learn to read Braille? Do you wonder what the dots say on the elevator? This class will teach you how to read and write the Braille alphabet and numbers.

CEEI 0242 – Laughter Yoga **0 - 10 hrs**
A mind/body class combining lecture, practice and laughter to lower stress hormones, foster positive and hopeful attitude. To help people increase health and vitality through unconditional laughter and yogic breathing.

CEEI 0301 – Your Personal Color Palette **2 hrs**
Discover which colors work best for your natural coloring and are most flattering to you! Be sure to come dressed in your favorite color to class!

CEEI 0302 – Best Silhouettes/Accessorizing **2 hrs**
Discover which clothing styles, lengths and fabrics compliment and balance your body shape. Also learn how to use accessories to maximize your wardrobe, change the look of an entire outfit and camouflage and compliment your figure!

CEEI 0304 – Maximizing Your Wardrobe **2 hrs**
Discover how to gain the most from your wardrobe through organizing what you own and mixing and matching what's already in your closet to create new outfits. Be sure to bring a versatile jacket from your wardrobe!

CEEI 0305 – Dress for Success **2 hrs**
Discover how to dress with intention, how to project the image you want and succeeding to look younger!

CEEI 0306 – Simple Sewing for the Home **0 - 10 hrs**
Learn to sew simple cushions and home accessories. Cost $20 (does not include cost of supplies).

CEEI 0307 – Basic Sewing & Alterations **0 - 10 hrs**
Designed for beginners who want to learn to sew buttons, hems, zippers, mending, etc. Bring your own sewing projects and problems with you. Cost $20 (does not include cost of supplies).

CEEI 0308 – Hand Reflexology **0 - 10 hrs**
Discover the ancient art of dealing with "trigger points" throughout the body, for mental and physical healing purposes. Class includes stress relief and mental balance.

CEEI 0309 – Foot Reflexology **0 - 10 hrs**
An extension of Hand Reflexology and the benefits of using both reflexology methods. Learn to relieve major pain and control stress factors with simple exercises to help you develop better coping skills.

CEEI 0310 – Full Body Reflexology **0 - 10 hrs**

Extend your knowledge to deal with back problems and other areas of pain in your body from head to feet. Lymph drainage, toxin release, using reflexology on infants and children, inducing good sleep habits, and combating stress will also be introduced.

CEEI 0311 – Product Branding & Marketing **0 - 10 hrs**

Turn your million dollar idea, concept, or outstanding product into reality! Learn the steps to take; how to define your niche; develop your brand and logo, collateral materials; and how to work with PR and media to build your presence.

CEEI 0312 – Visual Merchandising & Display **0 - 10 hrs**

Learn to make any shop "pop" by using simple compositional concepts, lighting techniques and color theory. Whether you own your own store, want to polish your resume, or just learn more about this fascinating work field, this workshop will explain the code of how and why we display merchandise, and explore its many creative concepts.

CEEI 0313 – Intro to Product/Graphic Dsgn **0 - 10 hrs**

Discover the basic concepts of product and graphic design that will allow you to translate those pictures and ideas in your head into visual images, both hand-drawn and computer generated. Workshop will include theory of conceptual design and color, composition and easy-to-understand introduction to Abode Photoshop and Illustrator (and simpler alternatives) for those with even very basic computer literacy.

CEEI 0314 – Commercial Space Planning **0 - 10 hrs**

Commercial construction can be complex but very lucrative. Workshop will not only teach you how to develop commercial plans that work well, but the process that can help in all aspects of design. Learn to define the requirements for the design process. Then learn how to implement the design process that results in a well-planned, usable space for your clients.

CEEI 0316 – Feng Shui for Business Part I **2 hrs**

Many corporations today hire Feng Shui consultants to help them generate greater income for their business through adopting Feng Shui practices. This workshop is an affordable alternative to hiring a consultant. Come discover tips to prosper your business and draw wealth, clear away clutter and drive away negative energy from your workspace!

CEEI 0317 – Feng Shui for Business Part II **2 hrs**

Sequel to Feng Shui for Business Part I.

CEEI 0318 – Feng Shui for Home/Health I **2 hrs**

Feng Shui (wind water) is the integrated application of Chinese astrology including Ying and Yang, Five Elements, I-Ching numerology, geography, magnetic fields and interior/exterior design of your living space. Feng Shui can help bring energy, luck, health and wealth into your life. Join us and transform your life!

CEEI 0319 – Feng Shui for Home/Health II **2 hrs**

Sequel to Feng Shui for Home/Health I.

CEEI 0320 – Silk Ribbon Embroidery **0 - 10 hrs**

Discover this popular 17th century art of embroidery to create a stylish belt or appliqué piece! Class will focus on flower embroidery including roses, daffodils, lilac, cherry blossoms, snowdrops, leaves and vines as well as some animals. Basic knowledge of embroidery is recommended but not required. Bring the following materials with you: white thread, regular hand sewing needles and plain paper and pencil. Cost $41 (includes additional materials provided by the instructor).

CEEI 0400 – Emergency Preparedness **1.5 hrs**

It's a bird! It's a plane! No! It's a hurricane! Disaster can strike anywhere. Work, Home, Car. Come and prepare yourself and your family. 72-Hour emergency kits available for purchase.

CEEI 0500 – Silver Pen Writing Workshop **4 hrs**

It's human nature to reflect on our lives, what we have done, who we have known, what we have dreamt and what became meaningful experiences. Prepare for the 4th Annual Silver Pen Competition sponsored by Salt Lake County Aging Services.

CEEI 0501 – Resume Writing **2 hrs**

Whether this is your 1st time writing a resume or you already have one that needs tweaking, this workshop can help you build an efficient resume that represents you. Come learn the purpose, structure and tools to craft a well organized resume and cover letter.

CEEI 0502 – Writing for Change **2 hrs**

Does change in democracy require civic dialogue? If so, where is it and who gets to talk? Or write? Join us to learn techniques of writing for change. Come with a concern and stay to write a letter to a Public Official. Writing coaches will be on hand and postage paid.

CEEI 0600 – Operation Wellness **0 - 10 hrs**

Learn what the latest research is about health and wellness. Topics include nutrition, exercise, stress, willpower, increasing longevity, preventing diabetes, heart disease and improving quality of life.

CEEI 0650 – The Acid Alkaline Connection **0 - 10 hrs**

The body is naturally slightly alkaline and some research suggests that what we eat can upset this balance, creating possible health problems. Come learn some of the latest research on the acid/alkaline connection.

CEEI 0875 – Learn to Play Guitar in a day **5 hrs**

Learn basic chords, strumming, and picking patterns, play familiar songs, tuning techniques, tablature, guitar care, simple music theory, music resources, performance skills and more. This unique workshop is equivalent to 6 weekly lessons. Book and tuner are included.

CEEM 0299 – Green Building **45 hrs**

This course provides instruction in the basic concepts regarding sustainable building design. This class will introduce students to the environmental, economical and market factors influencing contemporary green building. Students will explore current materials specified and used in the green design, examine green construction techniques and methods and investigate how basic architectural concepts influence sustainable design. Building systems such as HVAC, power use and water efficiency will be examined to discover efficient sustainable alternatives to traditional construction methods. Students will also learn about current Green Building Rating Systems including USGBC¿s, LEED program, the 2030 Challenge, Net Zero and the US EPA Energy Star Program.

CEEN 1100 – Civil Engineering Design **3 cr**

Prereq: MATH 1010 or appropriate Accuplacer score. The progression of civil and environmental engr. including the major elements of the profession. An understanding of the core disciplines and design in engr. is reviewed. It includes speakers, design project, and lectures.

CEEN 2000 – Cooperative Education **1 - 2 cr**

Prereq: Sophomore standing, minimum 2.0 GPA, and instructor approval. A supervised work experience in a business, industrial or government related to the program major. Credit is awarded for successful completion of specific learning objectives that provide new learning related to the major.

CEEN 2010 – Statics **3 cr**

Prereq: MATH 1210. Recommended prereq: PHYS 2210. Principles of forces, moments and couples; resultant and static equilibrium of general force systems; statically equivalent systems, center of gravity and pressure; friction; free body method of analysis. Principles applied to engineering problems.

CEEN 2020 – Dynamics I **2 cr**

Prereq: CEEN 2010. Position, velocity and acceleration, vector calculus, particle kinematics, kinetics of particles, including Newton's Laws, conservation of momentum and energy, and impact vibratory motion of particles are covered.

CEEN 2130 – Engineering Economics w/ Statistics & Probability 4 cr
Prereq: MATH 1050 or MATH 1080. Lectures and discussion on Engineering economic decisions, equivalence and interest formulas, rate of return, project evaluation and cash flow, depreciation, taxes, and an intro. to Eng. Probability and Statistics.

CEEN 2140 – Strength of Materials 2 cr
Prereq: CEEN 2010 and MATH 2250 (either can be taken concurrently). Recommended coreq: CEEN 2145. Internal forces in members, concept of stress and strain, axial loading, Hooke's Law, torsion, pure bending, traverse loading, transformations of stress and strain, plane stress and strain, pressure vessels, Mohr's circle, strain energy, beam deflection and column bending are discussed.

CEEN 2145 – Testing Of Engineering Materials 1 cr
Recommended coreq: CEEN 2140. This is an introductory laboratory in mechanical behavior of materials using basic testing methods and instrumentation, column bending, tension and compression of metals, concrete failure, Charpy's Impact, and creep tests.

CEEN 2240 – Engineering Surveying 3 cr
Prereq: MATH 1060 or MATH 1080 or appropriate Accuplacer score. Surveying procedures and their application to design and construction are taught. Students receive hands-on experience using total stations, GPS, and other surveying equipment. Laboratory included.

CEEN 2300 – Engineering Thermodynamics 2 cr
Prereq: CHEM 1210 and MATH 1220. Recommended prereq: PHYS 2210. First and second law of thermodynamics, internal energy, enthalpy, entropy and open and closed systems are covered. Engineering cycles including Carnot, Otto, Diesel, Brayton and Refrigeration are introduced.

CEEN 2450 – Numerical Methods 2 cr
Prereq: ENGR 1030 or 1040; MATH 2250. Recommended prereq: MATH 2210. Numerical techniques used in engineering computing, including: convergence, error accumulation, roots, solution of linear and nonlinear equations, numerical integration and differentiation, and solutions to differential equations.

CEEN 2900 – Special Topics In Civil Engineering 1 - 3 cr
Special Topics reflecting items of current interest in Civil/Environmental Engineering in addition to some of the ASCE (American Society of Civil Engineers) issues and engineering marvels.

CEEU 0100 – Developmentally Appropriate Class 0 - 5 hrs
Teachers will understand developmentally appropriate practices and theories. They will be introduced to their role as a decision maker in a classroom; creating relationships with families etc.

CEEU 0101 – Literacy/Language In Childhood Education **5 hrs**
Teachers will learn the basic principles of literacy and learning. They will be given the tools to implement literacy and language in their curriculum planning.

CEEU 0102 – Math/Science Early Childhood **5 hrs**
Teachers will understand developmentally appropriate math and science concepts for young children. They will learn ways to plan and integrate math and science into curriculum.

CEEU 0103 – Project Approach **0 - 5 hrs**
Class introduces ideas of how to plan curriculum that is child interest motivated, generated and explored over a period of time.

CEEU 0104 – Developmentally Appropriate Practice II **0 - 5 hrs**
The developmental theories will be revisited with an emphasis on appropriate curriculum planning, providing intentional teaching for children, enhancing learning and development and creating a caring community of learner.

CEEU 0105 – Arts Early Childhood Classroom **0 - 5 hrs**
Class intended to help early childhood teachers explore the arts, creative arts, visual arts, music and movement, with young children in a developmentally appropriate way.

CEEU 0106 – Diversity & Young Children **0 - 5 hrs**
Beginning with personal attitudes, ideas and biases, the class will help participants explore how we can help teach young children to celebrate our differences and create a caring community of learners.

CEEU 0107 – Social/Emotional Teaching Strategy **5 hrs**
This course will give teachers skills and strategies for promoting children's social and emotional development as well as prevent challenging behaviors.

CEEU 0108 – Dual Language Learners **5 hrs**
Course reviews current research findings related to first and second language acquisition and emergent literacy. Students explore how to apply research findings in their work with young children.

CEEU 0109 – Parents as Partners **5 hrs**
Discover appropriate ways to teach, learn from and communicate with parents. Participants explore ways to communicate and work with parents about their child's growth and development.

CEEU 0110 – The Growing Child **5 hrs**
Students will be introduced to developmentally appropriate resources, materials and activities for physical growth and development. Obesity statistics, nutritional needs and physical activities for child development are covered.

CEEU 0111 – Guidance for Young Children 5 hrs
Course reviews theories of social and emotional development in young children, age appropriate social and emotional development and specific techniques for behavioral issues.

CEEU 0810 – Safe & Healthy ChildCare Environment 45 hrs
Course is based on the NAFCC Quality Standards for Accreditation content area of the Environment and safety and health. Topics include home arrangements, material, equipment, safety and health of children in group settings.

CEEU 0820 – Teach & Learn in Family ChildCare 45 hrs
Course is based on the NAFCC Quality Standards for Accreditation content area of Relationships, Developmental Learning Activities and Professional Business Practices. Family Child Care environment relationships will be examined.

CEGC 0100 – Green Retrofitting 30 hrs
Introduction to integrating green methods into projects and remodels. Student will evaluate existing buildings and create a retrofit plan that incorporates elements of energy, water efficiency, materials efficiency, indoor air quality and other green building features.

CEGN 0001 – Genealogy Computer & Internet Tools 45 hrs
Introduction to genealogy computer programs and basic genealogy skills used to conduct research and document records with appropriate citations. Students will learn how to use internet tools for genealogy research. May take Department Challenge Exam in place of course.

CEGN 0010 – Introduction to Genealogical Research 45 hrs
Prereq: Completion of CEGN 0001 with a grade of “C” or better or CEGN 0001 Department Challenge Exam. Students explore record groups and repositories which contain 10 U.S. sources known to provide evidence linking families from students’ lifetime to 1850 and solve research problems by evaluating evidence.

CEGN 0011 – U.S Record Groups 45 hrs
Prereq: Completion of CEGN 0010 with a grade of “C” or better or CEGN 0010 Department Challenge Exam. Course will provide an in-depth study of sources, records, and methodologies not covered in CEGN 0010 essential to documenting and verifying family history and genealogies within the U.S. and focusing on a time period prior to 1850.will provide an in depth study of sources, records, and methodologies not covered in CEGN 0010 essential to documenting and verifying family history and genealogies with the U.S and focusing on a time periods prior to 1850.

CEGN 0012 – International Record Groups **45 hrs**
Prereq: Completion of CEGN 0010 with a grade of "C" or better or CEGN Department Challenge Exam. Students examine and use major international record groups in genealogical research. Paleography, record recognition and usage, research strategies, and usage of the international collections at various repositories will be covered.

CEGN 0015 – Finding Your American Family **0 - 10 hrs**
Course will provide an in-depth study of sources and records used to document and verify family history and genealogies dealing mainly with the US.

CEGN 0016 – Tracing Immigrant Ancestry **45 hrs**
Prereq: Completion of CEGN 0011 or 0012 with a grade of "C" or better. Introduction to methodologies and practices to extend family genealogies beyond the U.S. to other countries by finding evidence in unique U.S. records to link localities to International locations.

CEGN 0021 – Comparing Gen Software Programs **0 - 20 hrs**
Class compares PAF and Family Insight, RootsMagic, Legacy Family tree, Ancestral Quest, Family Tree Maker and the Master Genealogist. Learn about the advantage and disadvantages of each so that you can find one that fits your needs.

CEGN 0022 – Making New Family Search Easier **0 - 20 hrs**
Learn which genealogy software companies are working with New Family Search, and the advantages of using certified software.

CEGN 0023 – New Family Search Affiliate Programs **0 - 20 hrs**
Learn about the New Family Search Affiliate program, which genealogy companies are working with New FamilySearch (other than desktop software companies).

CEGN 0024 – Social Networking Genealogists **0 - 20 hrs**
Learn how to use various social networking applications such as blogging, Facebook, twitter, videos, podcasts, etc. to connect with other genealogists.

CEGN 0025 – Introduction Genealogical Internet Resources **0 - 20 hrs**
Learn about subscription and free websites available for family history research, as well as how to evaluate and record information found on the internet using Genealogy standards for source citations.

CEGN 0110 – Genealogy Writing & Publishing **45 hrs**
Prereq: Completion of CEGN 0016 with a grade of "C" or better. Introduction to standards in genealogical wiring, reporting, documentation and presentation of genealogical data. Students will also learn how to publish a family history in various medias.

CEGN 0150 – Preparing for U.S. Credentials **45 hrs**
Prereq: Completion of CEGN 0110 with a grade of "C" or better. Students finalize an ICAPGen credentialing application, a 4-generation report (with record citations linked to original images and research planners, and an analysis of evidence), plus assemble a research portfolio, and take a practice exam.

CEGN 0151 – Preparing for International Credentials **45 hrs**
Prereq: Completion of CEGN 0110 with a grade of "C" or better. Students finalize international credentialing application, a 4-generation report (with record citations linked to original images and research planners, and an analysis of evidence), plus assemble a research portfolio, and take a practice exam.

CEHI 0100 – Health Information Technology **48 hrs**
This course prepares healthcare or IT professionals to help medical practices, clinicians, and hospitals transition from paper to Electronic Medical Records. Workers improve efficiency quality and reports for patient scheduling, records and lab orders.

CEHS 0500 – Therapeutic Rec Tech 1 **0 - 100 hrs**
This course consists of 10 nine hour sessions to fulfill the educational requirements for students pursuing a therapeutic rec tech license at the TRT level. Following the course students must register for the exam with the State of Utah.

CEHW 0242 – Laughter Yoga **0 - 30 hrs**
A mind/body class combining lecture, practice and laughter to lower stress hormones, foster positive and hopeful attitude. To help people increase health and vitality through unconditional laughter and yogic breathing.

CEHW 0243 – Laughter Yoga Instructor Training **30 hrs**
Training to become a certified Laughter Yoga Instructor who will then be able to lead Laughter Yoga sessions & Meditations for social clubs, corporate seniors, school children etc. Graduates will receive a CLYL certificate & be listed on Dr. Madan Katarian's LY Website.

CEHW 0244 – Laughter Yoga Instructor Practicum **30 hrs**
Coreq: HLTH 1243. This class provides the practical teaching experience needed to become a Certified Laughter Yoga Leader.

CEHW 0300 – Doula and Childbirth Education **45 hrs**
This course covers the pre and post partum period of pregnancy as well as labor and delivery. Students will learn concepts of health and wellness for these periods of life for both the expectant mother and baby.

CEHW 0325 – Introduction to Group Fitness Instructor **0 - 30 hrs**
This course assists successful students to prepare for a certification as fitness professional by covering the educational components of teaching a safe and effective group fitness class.

CEHW 0326 – Introduction to Group Fitness Lab **0 - 45 hrs**
The lab course assists successful students to prepare for a certification as a group fitness professional by covering the basic components of teaching a safe and effective group fitness class.

CEHW 0350 – Introduction to Yoga Teacher Training **45 hrs**
The focus is on asanas, pranayamas, the yoga philosophies, the yoga lifestyle and other traditional yoga techniques for use in daily personal practice.

CEHW 0355 – Yoga Teacher Training II **30 hrs**
The course will cover human physical anatomy, physiology, and energy anatomy and physiology (chakras, nadis, etc) as applies to the subject and application of yoga practice.

CEHW 0360 – Yoga Teacher Training III **45 hrs**
Recommended: HLTH 1350. Class covers the following principles of yoga: asanas, pranayamas, kriyas, chanting, mantra, meditation and other traditional yoga practices with equal time given to analytical training and teaching, and practice techniques.

CEHW 0365 – Yoga Teacher Training IV **45 hrs**
Recommended: HLTH 1350. Class studies advanced asanas, pranayamas, kriyas chanting, mantra, meditation and other traditional yoga techniques. Teaching methodology and ethics will be covered.

CEHW 0370 – Yoga Teacher Practicum **30 hrs**
Prereq: Instructor approval. This class allows students to complete the required practical teaching requirements for the Yoga Alliance. Practicum teaching will be done with fellow students during class and in the community as a volunteer.

CEHW 0900 – Belly Dancing Basic **2 hrs**
Course is designed to open the door to understanding movement through Middle Eastern dance.

CEHZ 0200 – Basic Photovoltaic Systems **45 hrs**
Intro to the basics of PV system components. Learn to conduct site evaluations, select components, size the major components of PV systems including: PV array, battery bank, inverter and charge controller.

CEHZ 0300 – Adv Photovoltaic Systems **45 hrs**
After successful completion of course work in both the Basic and Advanced classes and additional field work, students will able to safely work with photovoltaic systems, conduct site assessments, select appropriate system designs, adapt mechanical designs, adapt electric designs, maintain and troubleshoot photovoltaic systems.

CEHZ 0400 – Basic Elect/Renewable Energy **45 hrs**
Designed to provide students with a basic understanding of electricity and the National Electric Code pertaining to the new renewable energy fields.

CEHZ 0500 – NABCEP PV Cert Exam Prep **16 hrs**
Review of course materials and procedures for students accepted by NABCEP to sit for their Solar PV Installer Certification Exam. Bring the National Electric Code Book (not Handbook), Calculator, Pencil and Highlighter.

CEHZ 0516 – 16 Hour Pool/Spa Operator **16 hrs**
2 day intensive program that covers pool and spa chemistry, testing, treatment, filtration, maintenance and automatic feeding equipment. Utah Health Dept Rule R395-302-28 enacted 9-1-98 requires all pool operators to be certified.

CEHZ 0517 – Pool and Spa Recertification **2 hrs**
Students who have previously taken the 16 hour Pool and Spa Operator course that need to recertify may take the exam the last day of the Pool and Spa Operator course.

CEHZ 0518 – Pool & Spa Expired Recertification **8 hrs**
This course is offered for students that did not recertify prior to the expiration date of their license.

CEIB 0100 – Executive Certificate of Global Business Management **30 hrs**
The Executive Certificate of Global Business Mgt is offered to business executive, professionals, working staff, entrepreneurs, and qualified students who wish to increase their knowledge and improve their strategies in global business practices.

CEIB 0200 – Shipping/Products Overseas **8 hrs**
Designed to train export marketing and sales managers, in shipping products overseas.

CEIP 0012 – Motorcycle Private **0 - 10 hrs**
This course is in addition to the basic rider training and is conducted from the motorcycle safety foundations extended BRC.

CEIP 0013 – Tiered Licensing 2nd Level **2 hrs**
Motorcycle testing for driving skills for a 650 cc or larger motorcycle.

CEIP 0014 – Motorcycle Rider Safety Course **18 hrs**
Motorcycle rider training, basic riding skills for Utah state driver's license riding test waivers.

CEIP 0015 – Motorcycle Rescheduling Course **0 - 18 hrs**
BRC reschedule - for makeups.

CEIP 0016 – Citizens Firearms **0 - 20 hrs**
Fulfills training for concealed carry permit training for the State of Utah.

CEIP 0021 – Experienced Rider Course **8 hrs**
Course is for riders with more than one year and or 1,500 miles of riding experience. Develop your physical skills with intensified practice of swerving, cornering, traction management, stopping and risk management.

CEIP 0024 – Motorcycle Rider Course Retake **18 hrs**
This course is for students needing additional elementary motorcycle rider training.

CEIP 0090 – Driver Education **30 hrs**
A state-certified course in Driver Education offered to the community. This course will be available in English and Spanish.

CEIP 0092 – Driver Ed Behind the Wheel Instruction **0 - 4 hrs**
A state approved course that readies the student to take the driving exam. Behind-the-wheel instruction to assist drivers in passing the driver license skills test.

CEIP 0093 – Driver Ed: In Car Sessions **12 hrs**
Students who have completed on-line drivers education training still need the 6 hours of behind the wheel and 6 hours observations. This class is designed to meet the needs of these students. The student will be included with an existing class to complete their drives and Observations.

CEIP 0400 – Emergency Medical Technician **144 hrs**
Non-credit version of HLTH 2300.

CEIP 0410 – EMT Re-certification **100 hrs**
For those holding current valid certification. Training selected by the student and instructor from the ongoing course. Provides required CME hours for the currently certified EMT.

CEIP 0420 – CPR **4 hrs**
Course satisfies the CPR prerequisite for the EMT program.

CEIP 0910 – Special Function/Reserve Officer **243 hrs**
Module I (13 weeks). Must be 21 years old to be admitted to the academy. Eligible for airport or campus security, corrections and constable service. Cross-listed with CJ 1910.

CEIP 0920 – Peace Officer Basic **377 hrs**
Prereq: CJ 1910. Module II (20 weeks). Prepares participants for Law Enforcement Certification. Cross-listed with CJ 1920.

CELN 0210 – Lineman Job-Related Theory **0 - 20 hrs**
Prospective lineman apprentice students, specifically second year non-sponsored students transferring for UVU lineman to SLCC.

CELN 0220 – Lineman Job-Related 2B **0 - 20 hrs**
Second Year non-sponsored students transferring for UVU Lineman job-related theory program. Cross-listed with LINE 1220.

CELS 0010 – Introduction to Library Services **45 hrs**
Course provides an overview of types of libraries, media and information centers, tools and terminology used in libraries, the role of library assistants, library Bill of Rights, privacy issues and library associations.

CELS 0020 – Public Information Services **45 hrs**
Course includes information about library circulation, covers policies, procedures, reserve collections, patron holds/requests, reference and information services, search strategies, information sources, customer communication and search techniques.

CELS 0050 – Library Technical Services **45 hrs**
Review processes by which materials are acquired for collections and prepared for public access. Bibliographic search tools, acquisition terminology, serials ordering, cataloging reference tools and resources covered.

CELS 0221 – Information Sources and Services **45 hrs**
Course provides an in-depth examination of information access, information needs, interviews, resources, query formulation, search strategy, bibliographic records, source selection and reference resources.

CELS 0230 – Humanities/Social Science Information **45 hrs**
Overview of the Humanities and Social Sciences. Course covers religion, mythology, visual/performing arts, business, language, law, political science, economics, history, sociology, education, anthropology, geography and communication.

CEMA 0231 – Advanced Medical Coding **128 hrs**
Advanced practice with the current procedural terminology (CPT) and international classifications of diseases (ICD-9) coding procedures, HCPCS for optimal reimbursements as practiced in the medical setting.

CEMS 0065 – Utah Notary Training Workshop **4 hrs**
The Training workshop will prepare you to take and pass the State's required online Notary Public examination.

CEPD 0001 – Aluminum Welding **0 - 40 hrs**
Students will learn to use welding equipment, weld coupons with wire feed, weld pipes with wire feed and weld a pipe in a 180 degree rotation.

CEPD 0003 – Basic/Arc Welding **40 hrs**
Students will learn - cutting w/gas torch and plasma, welding w/gas torch, wire feed/TIG welders, mild stainless steel and aluminum; brazing and silver soldering; and arc welding with various welding rods.

CEPD 0004 – Electrical Wiring **40 hrs**
Lab intense course designed for RMP specifications to train students to understand and utilize control systems. Student will be taught how to read ladder logic and RMP specific blueprints, and troubleshoot faulted systems.

CEPD 0008 – Hydraulics **40 hrs**
Course will cover hydraulics components and systems including pumps, valves, accumulators, filters, reservoirs, open and closed loop, hydraulic fluids, actuators, and trouble-shooting; pneumatic system.

CEPL 0001 – CLA Exam Preparation Workshop **45 hrs**
An intense workshop designed to assist qualified paralegals with developing the skills needed to prepare for the CLA/CP exam. NALA approved for 14 CLE hours through the Utah State Bar.

CEPT 0100 – Pharmacy Tech Exam Review **8 hrs**
This course will provide a review of the skills and competencies addressed in the Pharmacy Technician Certification Examination.

CEPW 0001 – Leverage **1.5 hrs**
Compelling insights and a powerful tool that helps identify core beliefs and how they affect results. Course will teach how to align perceptions with the real world.

CEPW 0002 – Crucial Conversations **1.5 hrs**
Learn how to talk openly and honestly about anything. Improve your life, team or organization. How to solve the best-of-the-best issues that most of us allow to damage our relationships.

CEPW 0003 – Crucial Confrontations **1.5 hrs**
Learn how to confront gaps in performance. Learn a powerful model that allows you to better understand human behavior.

CEPW 0004 – 21st Century Marketing Overview **1.5 hrs**
Key marketing strategies for the 21st century that you can implement. Learn to get more customers without spending more money on advertising, increase customer loyalty. Avoid price cutting and keep more profits.

CEPW 0005 – ESL - Testing **1 hrs**
Initial assessment of learners' functional in listening and reading. Learner's progress is measured with the appropriate post-test by CASAS.

CEPW 0006 – OPTO 22 Configuration **40 hrs**
Practical performance course using actual components of a DCS. Operations, trouble shooting and configuration, graphic design and actual operation of a DCS.

CEPW 0007 – Customer Service for Leads **3 hrs**
Integrating attitude and impact. Basics on how do we affect improvements through change. Issues and problems in communication. Purpose of this course and relationships to each participant.

CEPW 0008 – Customer Service **3 hrs**
Customer service mission statement of the Olympic Parks, basics, behaviors, motivation, communication, customer service, athletes and visitors, and review and conclusion.

CEPW 0009 – Basics Customer Presentation **2.5 hrs**
To teach Primary Children's Medical Center patient reps the basics of effective interpersonal presentation in patient interaction. Communication anxiety, audience analysis, appearance, speech structure and delivery.

CEPW 0010 – Event Management **3 hrs**
Basic behavior models, motivation, communication, customer service and athletes and visitors.

CEPW 0011 – Control System Documentation **56 hrs**
Topics include: symbols and identification associated with instruments, different types of instrumentation drawings, such as P and ID, loop diagrams, location plans, installation drawings, specification forms

CEPW 0100 – Utah Economic Summit **8 hrs**
Various sessions thru out summit.

CERE 0201 – Pre-Licensing Mortgage Lender **20 hrs**
Mortgage lender pre-licensing as stipulated by the Utah Division of Real Estate. Course includes training for mortgage clerks, credit clerks, closing clerks and disbursement clerks.

CESB 0001 – Develope Your Family Child Care Business **40 hrs**
Covers topics that help participants think and act as business owners. The unique combination of business and industry specific information has a proven track record of assisting individuals in developing and sustaining business.

CESG 0150 – Energy Essentials **30 hrs**
Overview of Energy production and transmission along with the role it plays in industry, transportation, buildings and homes. For Non-Apprentice Electric Sector students.

CESG 0175 – Math For Energy Industry **30 hrs**
This class includes an intensive basic math review and practical application of Measurements and Conversion. Algebra, Geometry and Trigonometry. Practical application will emphasize realistic mathematical problem solving in the Energy Industry, Basic Construction and Architecture/Drafting.

CESG 0400 – Electricity for Power Industry **90 hrs**
An overview of basic electrical principles and theories as well as practical application for use in the power industry. Topics include Introduction to Electrical Circuits; AC and DC Electrical Theory; Basic Electronic Theory Electrical Test Equipment and introduction to the National Electric Code.

CESG 0410 – NEC 2011 Solar Photovoltaics **8 hrs**
Course covers 2011 NEC requirements that govern solar installations. Gain understanding of solar pv electrical energy systems and how they relate to other electrical power production sources.

CESG 0411 – Electrical Distribution System **90 hrs**
The design and construction of electrical distribution systems will be covered in this course. Topics include substations; overhead and underground transmission and distribution lines; conductors and insulators; high and low-voltage troubleshooting procedures; stringing and live-line procedures.

CESG 0450 – Transformer Basics **90 hrs**
This course exposes students to transformer design and operation that emphasizes the installation and maintenance of transformer equipment. Subjects include: three-phase transformers; autotransformers and reactors; safety requirements and troubleshooting.

CESG 0500 – Pole Climbing, Ropes & Rigging **90 hrs**
Students will learn to identify and implement the proper application of ropes, slings and rigging for electrical industry applications. Subjects include the care and maintenance of ropes and equipment, and hands on training leading to proficiency in pole climbing and rigging tasks.

CESG 0600 – Blueprint Reading **45 hrs**

An Introductory course in electrical utility blueprint reading which defines the physical and electrical arrangements of equipment including power plants, substations, transmissions lines, distribution lines and customer service facilities. This is a critical skill for individuals who operate, maintain, repair of modify utility equipment.

CESG 0910 – Computer Literacy/Energy Sector **45 hrs**

Overview and introduction to computer software applications for general knowledge and specifically as used in the Energy Sector. For Non-Apprentice Electric Sector students.

CESG 0950 – Workplace Safety/ OSHA 3095 **30 hrs**

In-depth study of Electrical Standards of OSHA and the hazards associated with electrical installations and equipment. Topics include single and three phase systems, grounding, hazardous locations and safety-related work practices. Emphasis is placed on electrical hazard recognition and OSHA inspection procedures.

CESO 0100 – Exploring Sonography **1 hrs**

This course provides an overview of the medical Sonography field as well as the Salt Lake Community College medical Sonography program. Topics include preparing for a career in Sonography, program overview, and perspectives from students as well as those employed in the field. This course is a required part of the Diagnostic Medical Sonography application process.

CESP 0001 – CNG Vehicle Conversions **0 - 50 hrs**

CNG Vehicle Conversion class includes theory behind the operation of CNG/NGV systems, conversion, installation, inspection and repair. This class is taught in a modern, up-to-date facility by experienced instructors and provides hands-on, practical application (including an actual conversion), as well as a solid preparation for relevant industry certifications.

CESP 0003 – Introduction to Composites **40 hrs**

Basic composites training including general overview of composites manufacturing, vacuum bagging and a hands-on project.

CESP 0006 – 2011 National Electrical Code **8 hrs**

Course will cover over 400 new codes and definitions of the 2011 NEC Requirements for electrical installations. Major changes allowing new forms of alternate energy to power electric vehicles will be studied.

CESP 0009 – Electrical Safety/Code Review **8 hrs**
Course covers new code changes, existing code, and common mistakes made on job sites. Learn how to prevent costly mistakes resulting in fines and penalties. New rules on lugs & terminals and GFCI placement in residential dwellings reviewed. Safety, personal protective equipment, OSHA rules, grounding rules and motor control diagrams covered. Must bring a 2011 code book and a calculator to class.

CESP 0010 – LEED: Construction & Design **1 hrs**
Overview of LEED (Leadership in Energy & Environmental Design) principles & the LEED rating system used to measure and certify buildings that employ green building principles in their construction and design.

CESP 0014 – Advanced Composites Level II **60 hrs**
Composite level 2, molds-prepreg-cores.

CESP 0015 – Advanced Composites Level III **60 hrs**
Composites Materials Advanced Level 3 Certification.

CESP 0041 – Energy Investment Analysis **30 hrs**
Students will discuss appropriate energy efficiency measure investment, utility rate schedules, simple payback analysis, compound interest, time value of money, cost estimation and simulation tools.

CESP 0042 – Energy Accounting **30 hrs**
Review energy units, data gathering for energy accounting utility rates and schedules, energy data and organization baselines, cost avoidance, load factor, data analysis, and software and spreadsheet development.

CESP 0070 – Advanced LEED Topics **1 hrs**
Course focuses on green building and energy conservation issues as taught by an expert in energy conservation building & contractor issues.

CESP 0090 – International Building Code/Commercial Buildings **1 hrs**
Review of current International Residential Building Code requirements. Overview of the changes from 2003-2006 IRC & Utah Building Code amendments with respect to commercial buildings.

CESP 0100 – Green Retrofitting **0 - 50 hrs**
Introduction to "Green" retrofitting methods for contractors. Topics include building evaluation, creating a retrofit plan with elements of energy, water and materials efficiency, indoor air quality and other green building features.

CESP 0110 – International Residential Code **1 hrs**
Review of current International Residential Building Code requirements. Overview of the changes from 2003-2006 IRC & Utah Building Code amendments with respect to residential buildings.

CESP 0120 – RESNET/HERS Rater Exam Preparation **10 hrs**
Introduction to integrating green methods into projects and remodels. Students will evaluate existing buildings and create a retrofit plan that incorporates elements of energy efficiency, water efficiency materials, indoor air quality and other green building features.

CESP 0121 – Construction Meets EPA **1 hrs**
A Supreme Court ruling has the potential to impose heavy regulations on commercial construction. Findings by the EPA indicate greenhouse gases pose a significant danger to health. While compliance has been pushed into the future, there are court challenges that could bring those regulations crashing down on the construction industry. This program will help you learn what impact they may have.

CESP 0123 – OSHA & Multi-Employer Policy **1 hrs**
We will discuss OSHA's role and what employers need to do to comply with the OSHA regulations. We will look at Inspections, PPE, OSHA Recordkeeping and Reporting, Hazard Communication, OSHA whistleblower laws and employee rights. We will also spend time looking at OSHA's focus four in regards to construction accidents. We will spend some time discussing OSHA's Multi-Employer Citation policy.

CESP 0150 – Energy Essentials **30 hrs**
Overview of energy production and transmission along with the roles it plays in industry, transportation, building and homes.

CESP 0175 – Math For Energy Industry **40 hrs**
This class includes an intensive basic math review and practical application of Measurements and Conversion. Algebra, Geometry and Trigonometry. Practical application will emphasize realistic mathematical problem solving in the Energy Industry, Basic Construction and Architecture/Drafting.

CESP 0200 – Basic Photovoltaic Systems **0 - 50 hrs**
Class will cover basic topics associated with the design and installation of photovoltaic systems.

CESP 0250 – Advanced Photovoltaic Systems **0 - 50 hrs**
This course builds upon the foundation of knowledge students acquire in the Basic course. After successful completion of course work in both the Basic and Advanced classes and additional field work students will be able to: safely work with photovoltaic systems; conduct site assessment, select appropriate system designs; adapt mechanical designs; adapt electrical designs; maintain and troubleshoot photovoltaic systems.

CESP 0300 – OSHA 10 Hour Safety Course **10 hrs**
Students will learn how to work and be part of a safe environment. Topics covered are: fall protection, fire protection, walking and working surfaces, electrical PPE, hazardous materials and what OSHA is. There are no pre-requisites for this class.

CESP 0400 – Basic Elect / Renewable Energy **0 - 45 hrs**
Designed to provide students with a basic understanding of electricity and the National Electric Code pertaining to the new renewable energy fields.

CESP 0410 – NEC 2011 Solar Photovoltaics **8 hrs**
Course covers 2011 NEC requirements that govern solar installations. Gain understanding of solar pv electrical energy systems and how they relate to other electrical power production sources.

CESP 0411 – Electrical Distribution System **90 hrs**
The design and construction of electrical distribution systems will be covered in this course. Topics include substations; overhead and underground transmission and distribution lines; conductors and insulators; high and low-voltage troubleshooting procedures; stringing and live-line procedures.

CESP 0420 – CPR & First Aid **4 hrs**
Students will obtain first-aid and CPR certification.

CESP 0430 – Energy Essent II-Basic Elcect **30 hrs**
Designed to provide students with a basic understanding of electricity and the National Electric Code pertaining to the new renewable energy fields.

CESP 0450 – Transformer Basics **90 hrs**
This course exposes students to transformer design and operation that emphasizes the installation and maintenance of transformer equipment. Subjects include: three-phase transformers; autotransformers and reactors; safety requirements and troubleshooting.

CESP 0460 – Electricity for Power Industry **90 hrs**
An overview of basic electrical principles and theories as well as practical application for use in the power industry. Topics include Introduction to Electrical Circuits; AC & DC Electrical Theory; Basic Electronic Theory Electrical Test Equipment and introduction to the National Electric Code.

CESP 0500 – NABCEP PV Certified Exam Preparation **16 hrs**
Review of course materials and procedures for students accepted by N A B C E P to sit for their Solar PV Installer Certification exam. Bring the National Electric Code Book (not handbook),Calculator, Pencil and Highlighter.

CESP 0528 – Fundamentals of Technical Writing **24 hrs**
Learning the fundamentals of writing.

CESP 0560 – Pole Climbing, Ropes & Rigging **90 hrs**
Students will learn to identify and implement the proper application of ropes, slings and rigging for electrical industry applications. Subjects include the care and maintenance of ropes and equipment, and hands on training leading to proficiency in pole climbing and rigging tasks.

CESP 0600 – Print Reading **45 hrs**
An Introductory course in electrical utility blueprint reading which defines the physical and electrical arrangements of equipment including power plants, substations, transmissions lines, distribution lines and customer service facilities. This is a critical skill for individuals who operate, maintain, repair of modify utility equipment.

CESP 0910 – Computer Literacy/Energy Sector **39 hrs**
Overview and Introduction to computer software applications used in the Energy Sector. Students will learn basic computers skills to use personal computers, the internet, documents and spreadsheets in the workplace.

CESP 0950 – Workplace Safety/ OSHA 3095 **30 hrs**
In-depth study of Electrical Standards of OSHA and the hazards associated with electrical installations and equipment. Topics include single and three phase systems, grounding, hazardous locations and safety-related work practices. Emphasis is placed on electrical hazard recognition and OSHA inspection procedures.

CESP 0980 – LeanErgy **72 hrs**
Students will learn management tools that can help identify opportunities for them to reduce energy use and other wastes as well as increase their work productivity and profitability.

CESS 0001 – National Admin Credential Upgrade **0 - 100 hrs**
Upgrade training for child care providers to obtain or maintain credentialing.

CESS 0007 – Basic Welding **40 hrs**
Students will complete stick welding and carbon arc gouging.

CESS 0018 – Workplace Skills & Advancement **40 hrs**
Workplace Skills to prepare employees for advancement and career planning.

CESS 0110 – Applied Emissions **32 hrs**
Prerequisite for the Salt Lake County course.

CESS 0120 – UHP Light Duty Inspection **16 hrs**
Passenger, light truck safety inspection for Utah Highway Patrol.

CESS 0130 – UHP Heavy-Duty Inspection **16 hrs**
Truck, trailer and bus safety inspection for Utah Highway Patrol.

CEST 0001 – National Admin Credential Upgrade **40 hrs**
Course consists of forty hours of classroom instruction, practice and evaluation in nine competency areas. Students are expected to complete projects and reading assignments between classes.

CEST 0003 – Introduction to Composites **0 - 100 hrs**
Basic composites training including general overview of composites manufacturing, vacuum bagging and a hands-on project.

CEST 0004 – J Standard Certification **0 - 50 hrs**
J-Standard certification training for companies who do government or other projects requiring certification.

CEST 0006 – Mastering Police Report Writing **12 hrs**
Professional police report writing made easier. Become more confident in your writing, listening, note-taking, organizational, diction, grammar, active voice, punctuation, narration, and thinking skills.

CEST 0007 – Introductory Welding **40 hrs**
At the end of 40 hours students will complete stick welding and carbon arc cutting and gouging.

CEST 0011 – Intermediate Welding Skills **40 hrs**
GMAW (MIG) Short Arc, pulsed, and spray, welding on various thicknesses, and in flat vertical, horizontal, and overhead procedures.

CEST 0012 – Fundamental Effective Briefings **16 hrs**
Basic techniques to create a more effective briefing message. Basic presentation techniques used by effective presenters. Participants will practice these writing and presentation skills and receive feedback on performance.

CEST 0013 – Advanced Effective Briefings **16 hrs**
Advanced techniques to create effective briefing messages. Learn advanced presentation techniques. Participants will practice these advanced writing and presentation skills and receive feedback on performance.

CEST 0014 – Composites Level II **0 - 100 hrs**
Composite level 2, molds-prepreg-cores.

CEST 0015 – Composites Advanced Level 3 **60 hrs**
Composites Materials Advanced Level 3 Certification.

CEST 0018 – Workplace Skills & Advance IHC **57.5 hrs**
Workplace Skills and Advancement for Intermountain Health Care.

CEST 0019 – Business Writing for Managers **8 hrs**
Techniques for today's professional communicators for Tooele Army Depot. This is a hands-on, participatory, two-day workshop.

CEST 0026 – Basic Photovoltaic Systems **0 - 50 hrs**
Basic topics associated with the design and installation of photo voltaic systems.

CEST 0027 – Adv Photovoltaic Systems **0 - 50 hrs**
Advanced Solar Photovoltaic Installation Training.

CEST 0028 – De-Mystifying Marketing **4 hrs**
A workshop to become a better marketer. Develop data-driven marketing strategies that get results.

CEST 0029 – From Anergy to Synergy **16 hrs**
In Anery to Synergy, participants learn what the latest research teaches us about how our brains work and react to various situations and stimuli.

CEST 0030 – APICS-Basics of Supply Chain **30 hrs**
Basics of Supply Chain Management- elements of the supply chain.

CEST 0031 – Backflow Tester Certification **0 - 40 hrs**
Attendees will learn backflow theory, hydraulics, prevention devices, testing equipment, test reports, prevention assemblies, fire suppression codes, regulations, approvals.

CEST 0032 – Backflow Tester Re-Certification **24 hrs**
Attendees will learn backflow theory, hydraulics, prevention devices, testing equipment, test reports, prevention assemblies, fire suppression, codes, regulations, approvals, etc.

CEST 0033 – FastTrac New Venture **33 hrs**
Comprehensive entrepreneurship-educational program that provides entrepreneurs with business insights, leadership skills and professional networking so that they are prepared to create a new business or expand an existing enterprise.

CEST 0034 – 7 Habits of Small Business Managers **0 - 50 hrs**
7 essential habits that highly effective managers share.

CEST 0035 – Human Resource Management Certification Course **44 hrs**
Human Resource Management Certificate Course

CEST 0036 – Medical Terminology **14 hrs**
This is a course for client employees to gain a better understanding of medical terminology. The Course will introduce the primary elements from which all medical terms are composed.

CEST 0054 – Utah Performance Testing **3 hrs**
This is a fun interactive workshop that will allow participants to have a big picture understanding of the Utah Performance testing process. Come and get your questions answered and tour the testing facilities.

CEST 0055 – Introduction to Core Skills for CDI **16 hrs**
This course will explore the key skills required for Deaf Interpreters including mirroring, consecutive interpreting, processing information, memory skills, expansion, simultaneous interpreting and sight translation ethics, team interpreting and various interpreting settings will also be discussed.

CEST 0056 – NIC Interview Skills **6 hrs**
This seminar will give an overview of the NIC Interview Exam. The Demand Control Schema will be used as a framework for guiding participants to develop problem solving skills that can be applied to the NIC Interview. Students will have the opportunity to have hands on practice receiving feedback from instructor and peers.

CEST 0060 – 2011 National Electrical Code **8 hrs**
Course will cover over 400 new codes and definitions of the 2011 NEC Requirements for electrical installations. Major changes allowing new forms of alternate energy to power electric vehicles will be studied.

CEST 0090 – Electrical Safety & Code Revision **8 hrs**
Course covers new code changes, existing code, and common mistakes made on job sites. Learn how to prevent costly mistakes resulting in fines and penalties. New rules on lugs & terminals and GFCI placement in residential dwellings reviewed. Safety, personal protective equipment, OSHA rules, grounding rules and motor control diagrams covered. Must bring a 2011 code book and a calculator to class.

CEST 0100 – Executive Certified of Global Business Management **30 hrs**
Hands-on course to increase knowledge and improve strategies in global business practices.

CEST 0130 – UHP Heavy Duty Inspection **16 hrs**
Truck, trailer and bus safety inspection for Utah Highway Patrol.

CEST 0201 – BIM for Contractors - II **0 - 10 hrs**
Build more for BIM managers and those individuals who will interact at a higher level with the technology. The recommended Technology would be Navisworks Manage, Sketch up and Revit Architecture.

CEST 0202 – BIM for Contractors - I **0 - 10 hrs**
Specific Construction Management context. What is BIM? Definitions and introduction into terminology. Software ¿ introduction into various types and functions of the BIM software. Hardware needed; Intro to Revit/Revit Structure/Revit MEP, Navigation, Navisworks, BIM basic Project Management.

CEST 0205 – Navisworks Manage 2011 **10 hrs**
Autodesk Navisworks Manage provides the most complete Navisworks design project review solution. Includes the functionality of both Autodesk Navisworks Review and Autodesk Navisworks Simulate.

CEST 0211 – Excel Large Worksheets **0 - 20 hrs**
Cross with CECW 0211 Excel Large Worksheets.

CEST 0213 – Excel Database/Pivot Tables **3.5 hrs**
Learn how to take raw data and create valuable management reports.

CEST 0214 – Excel Advanced Functions **0 - 20 hrs**
Cross with CECW 0214.

CEST 0215 – Excel Templates/Sharing Tools **3.5 hrs**
Learn how to use Excel templates and sharing tools.

CEST 0229 – QuickBooks Beginning **6 hrs**
This workshop will review general accounting basics and how QuickBooks works.

CEST 0231 – QuickBooks Intermediate **6 hrs**
Tracking fixed assets and their associated liabilities, depreciation, prepaid expenses, memorized transactions making deposits not related to receivables, sales tax, bank recons., petty cash etc.

CEST 0232 – QuickBooks Advanced **6 hrs**
Setting up and tracking payroll liabilities, adding employees, payroll items, year-to-date issues, additions and deductions, preparing quarterly 941, making payroll tax deposits, process payroll checks, reports.

CEST 0233 – Excel Level I **6 hrs**
Module introduces the basic skills necessary for creating, printing and saving Excel workbooks.

CEST 0234 – Word Level I **6 hrs**
Module teaches students how to create, format, print and save Word documents.

CEST 0235 – Word Level II **6 hrs**
Word Level II

CEST 0236 – Word Level III **6 hrs**
This workshop covers several topics that help the student perform tasks more efficiently and working with long documents

CEST 0240 – CNC Design & Metal Fabrication **40 hrs**
Using CNC Plasma Cutting Machine, fabricate parts and whole pieces directly from computer, or import and modify files from numerous sources. Discover and Implement project design methods using computerized designing software.

CEST 0301 – Revit MEP **0 - 50 hrs**
Building information modeling and the tools for parametric MEP systems design and documentation using Autodesk Revit MEP.

CEST 0302 – Autodesk Revit MEP-HVAC/Plumb **24 hrs**
Revit MEP basic specific to HVAC/Plumbing.

CEST 0303 – Autodesk Revit MEP/Electrical **0 - 50 hrs**
Revit MEP basics, specific to electrical.

CEST 0304 – Advanced Revit Architecture **24 hrs**
Advanced Revit Architecture, Parametric building modeler for architects that allow changes anytime, anywhere in the design process.

CEST 0365 – Introduction to Linux **24 hrs**
Six week online course, you'll master the free Linux desktop system, which can perform all of the functions you currently do with Microsoft Windows or Apple Macintosh.

CEST 0400 – AutoCAD I **24 hrs**
Over 70 percent of the 2D drafting commands is covered. Draw, edit, construct and display drawings. Learn to use layering, dimensioning and text to create simple drawings with notes and title blocks. Finally plot these drawings.

CEST 0406 – Access Level II **0 - 20 hrs**
Cross with CECW 0406.

CEST 0500 – A+ Certification **0 - 100 hrs**
The Computer Support Specialist Program covers system assembly, computer repair, troubleshooting skills, network support, customer service, and software installation.

CEST 0501 – AutoCAD II **24 hrs**
AutoCAD Intermediate.

CEST 0502 – Security + Certification **35 hrs**
Security + Certification, Securing network services, network devices and network traffic. This course is to prepare for the CompTIA Security + examination.

CEST 0507 – MS Office Overview **18 hrs**
Students will learn the basics of Microsoft Office Suite, including Word, Excel and PowerPoint.

CEST 0510 – MCITP **144 hrs**
6421 Configuring and Troubleshooting a Windows Server 2008 Network Infrastructure.
6425 Configuring Windows Server Active Directory Domain Services.
6426 Configuring Identity and Access Solutions with Windows Server 2008 Active Directory.
6430 Planning and Administering Windows Server 2008 Servers.

CEST 0550 – GibbsCAM Training **16 hrs**
Level 1 Production Milling and Turning Geometry creation/ CAM programming. Level 2 Advanced Milling Solids.

CEST 0602 – Communicating for Results **8 hrs**
Communicating for results gives the student the opportunity to explore how communication styles effect overall performance. It improves both verbal and non-verbal communication skills to become more effective in groups or individual communication settings.

CEST 0603 – Dreamweaver **12 hrs**
Cross listed with CECW 0603, DreamWeaver.

CEST 0607 – Flash **12 hrs**
Cross listed with CECW 0607 Flash.

CEST 0612 – CSS & XHTML **0 - 12 hrs**
Tasks include gaining an understanding of HTML and tags that every Web page must have, creating a simple web page, linking to other Web pages within you own page, aligning text, list, formatting text, using graphics/backgrounds.

CEST 0629 – Taking the HEAT **5 hrs**
Students will learn a set of best practices for taking the "heat" to turn difficult customer situations into positive interactions.

CEST 0700 – PhotoShop Level I **6 hrs**
Designed to help create images for print and web. Use of Photoshop's, palettes and features to create images, retouch photographs and save files using multiple file formats.

CEST 0701 – Publisher **0 - 6 hrs**
Tasks include exploring Publisher, working with publications, using the Wizard, adding text to a frame, correcting spelling errors, enhancing publication text, printing and publishing presentations.

CEST 0702 – Photoshop Level II **6 hrs**
This workshop covers the advanced features and functions of Photoshop. Students will learn how to edit images and create artwork for both print and the Web.

CEST 0703 – BMLI-Setting Performance Expectations **5 hrs**
This course helps leaders drive performance and accountability by helping people understand what is expected of them and gaining their commitment to achieving it.

CEST 0704 – BMLI-Coaching For Improvement **5 hrs**
Helps leaders conduct effective discussions and provide the feedback and ongoing support people need to improve performance.

CEST 0705 – BMLI-Coaching For Success **0 - 10 hrs**
Develops leaders who help people achieve goals and avoid problems, a positive experience for themselves and those being coached.

CEST 0706 – BMLI-Delegating For Results **5 hrs**
In this course, leaders overcome their hesitation to delegate by learning skills for successfully matching people with responsibility and authority.

CEST 0707 – BMLI-Essentials of Leadership **5 hrs**
Teaches leaders how to get results through people.

CEST 0708 – BMLI-Starting as a New Leader **5 hrs**
Arms new leaders with the knowledge and skills they need to confront the challenges associated with getting their footing and results as a new leader more quickly.

CEST 0709 – BMLI-Leading Change **5 hrs**
This course focuses on leaders' crucial role in initiating change in the workplace.

CEST 0710 – BMLI-Lead High Performing Team **5 hrs**
This course provides team leaders with the tools and skills to perform three primary responsibilities- diagnose, coach and reinforce.

CEST 0711 – BMLI-Resolving Conflict **5 hrs**
This course teaches leaders how to recognize that a conflict is escalating and minimize damage by using the most appropriate resolution tactic.

CEST 0712 – BMLI-Lean Six Sigma Green Belt **24 hrs**
Learn how to identify and implement changes in operation aimed at reducing waste, cost, time and variation.

CEST 0713 – BMLI-Lean Six Sigma Black Belt **40 hrs**
Learn how to lead teams for change and improvement.

CEST 0714 – Project Management Professional Exam Prep **40 hrs**
Prepares students to successfully pass the PMP exam.

CEST 0715 – BMLI-Developing Others **5 hrs**
Course provides leaders, coaches and mentors with a practical process and the skills necessary to develop talent.

CEST 0730 – Autodesk Civil 3D **24 hrs**
Students learn to create and edit points, alignments, and profiles, create and analyze surface data. They will perform corridor modeling, create subassemblies and cross-sections, and perform grading operations.

CEST 0735 – Windows Overview **6 hrs**
Learn the basics of Personal Computers hardware/software components, Windows features, Start Menu, Taskbar, views and toolbars.

CEST 0800 – AutoDesk Revit Architecture **24 hrs**
Learn the tools to create, document and print a parametric building design model.

CEST 0801 – Autodesk Revit Families **18 hrs**
Extrusions, blends, reference lines and planes, family categories, labels parameters, type catalogs, constraints and connectors.

CEST 0802 – ESL **0 - 200 hrs**
English as a second language for medical employees of IHC.

CEST 0803 – ESL-Workplace Level 2 **0 - 200 hrs**
ESL workplace Level 2.

CEST 0804 – ESL-Workplace Level 2 **0 - 200 hrs**
Students will increase their fluency with spoken and written English, primarily as it applies to the work environment.

CEST 0880 – Solidworks **32 hrs**
3D CAD solution providing data management and communication tools.

CEST 0890 – Autodesk Inventor **24 hrs**
Basic Autodesk Inventor features used to create, edit, document and print parts or assemblies.

CEST 0901 – Employment Law For Managers **6 hrs**
The basics of employment law for managers and supervisors.

CEST 0970 – Autodesk 3DsMax Design **24 hrs**
A complete end to end reference that provides users with complete info on all of the features and options available in the latest version of 3DsMax design.

CEST 0980 – Autodesk 3ds Max Design II **24 hrs**
A complete end to end reference that provides users a complete info on all of the features and options available in 3ds max design. This is an advanced course.

CEST 0990 – MS Office Special Topics **10 hrs**
Special Topics Course

CESU 0100 – CNG Vehicle Conversions **0 - 50 hrs**
Course prepares automotive technicians with skills to maintain CNG vehicles. Safely convert gasoline powered dedicated light duty natural gas vehicles or duel fuel powered vehicles. Prior experience as an automotive technician or completion of one semester of automotive course work.

CESU 0200 – CNG Inspection Training **0 - 50 hrs**
CNG vehicle cylinders should be inspected every three years or 36,000 miles. 12 hour hands-on course prepares students to take the certification examination for CNG cylinder inspectors. Prior experience working as an automotive technician or completion of one semester of automotive course work.

CESU 0500 – The Kitchen Garden **8 hrs**
Learn to maximize your space for optimum production. Succession planting, harvesting, extending the season, (both early and late), tools and materials, vertical space gardening using trellises, structures and soil preparation.

CETG 0010 – Fundamentals of Supervision & Management 1 **24 hrs**
Master the basics of business, learn the people skills required to motivate and delegate, and learn tools for solving problems and resolving conflicts.

CETG 0011 – Fundamentals of Supervision & Management 2 **24 hrs**
Learn how to be an effective manager or supervisor. Master the basics of communicating effectively, and learn tools for developing your own interpersonal skills.

CETG 0012 – Purchasing Fundamentals **24 hrs**
Improve your company's bottom line by mastering the fundamentals of purchasing.

CETG 0013 – Administrative Assistant Fundamentals **24 hrs**
Prepare to take advantage of the many new job opportunities in health care, legal services, and other industries.

CETG 0014 – Administrative Assistant Applications **24 hrs**
Gain the skills and knowledge you'll need to prepare for the Certified Administrative Professional exam and begin a rewarding career as an administrative assistant.

CETG 0015 – Employment Law Fundamentals **24 hrs**
Learn the basics of employment law so you can legally hire, evaluate, and manage employees. Learn basic benefit info, evaluation and termination procedures, and dispute resolution.

CETG 0016 – Supply Chain Management Fundamentals **24 hrs**
Master the fundamentals of supply chain management and prepare for internationally recognized certification examinations.

CETG 0017 – Project Management Fundamentals **24 hrs**
Gain the skills you'll need to succeed in the fast growing field of project management.

CETG 0018 – Project Mgmt Applications **24 hrs**
Experienced project manager teaches you tricks of the project management trade.

CETG 0019 – Six Sigma: Total Quality Fundamentals **24 hrs**
Learn the basics of total quality management.

CETG 0020 – Six Sigma: Total Quality App's **24 hrs**
Learn to apply the elements and methods of Six Sigma to achieve the highest possible quality.

CETG 0021 – PMP Certification Prep 1 **24 hrs**
Begin a well-paying career as a project manager by preparing to take - and pass- the PMP certification exam.

CETG 0022 – PMP Certification Prep 2 **24 hrs**
Prepare to take and pass the Project Management Institute's PMP certification exam.

CETG 0023 – Managing Customer Service **24 hrs**
Become indispensable to any organization by understanding how to identify and meet customer needs.

CETG 0024 – Introduction to Non-profit Management **24 hrs**
Develop the skills and strategies you need to become an integral part of one of America's fastest growing service sectors.

CETG 0025 – Marketing Your Non-Profit **24 hrs**
Further the ideals and goals of your nonprofit by learning to compete more effectively for members, media attention, donors, clients, and volunteers

CETG 0026 – Starting a Non-Profit **24 hrs**
Industry veteran shows you how to take a non-profit business from vision to reality.

CETG 0027 – Non Profit Fundraising Essentials **24 hrs**
Learn the basics of fundraising for nonprofit organizations, from annual and special fund drives to more advanced projects involving corporate and foundation relations, major gifts, and planned giving.

CETG 0031 – Manufacturing Fundamentals **24 hrs**
Learn the basic skills required to work in the manufacturing field.

CETG 0032 – Manufacturing Applications **24 hrs**
Increase efficiencies and productivity by learning to apply the principles and concepts of manufacturing.

CETG 0033 – Distribution & Logistics Management **24 hrs**
Learn how to improve your company's distribution and logistics management activities.

CETG 0034 – Understanding Human Resources Function **24 hrs**
This course is designed to help people without experience in human resources and prepares managers and business owners to handle human resource functions to ensure good results.

CETG 0035 – Introduction to Business Analysis **24 hrs**
Learn powerful techniques to improve your decision making skills at work.

CETG 0036 – Building Teams that Work **24 hrs**
Learn the secrets of dynamic team building.

CETG 0037 – Mastery of Business Fundamentals **24 hrs**
Acquire practical experience in strategic planning, management, and finance without enrolling in an MBA program.

CETG 0038 – High Speed Project Management **24 hrs**
Break through model for dealing with realities of managing projects at supersonic speeds. Meet and win challenges of truncated timelines, short-staffed project teams, skimpy budgets and crippling risks.

CETG 0100 – Creating Web Pages **24 hrs**
Learn how to design, create and post your very own website on the Internet's WWW. Discover low-cost marketing techniques and search engine strategies.

CETG 0101 – Intro to PC Troubleshooting **24 hrs**
This class will take you through the typical hardware and operating system problems and teach you how to diagnose and fix the more advanced and nasty problems.

CETG 0108 – Navigating the Internet **24 hrs**
Learn to master the ins and outs of the Internet with this informative, behind-the-scenes look at the WWW, E-Mail, Gopher space, Newsgroups, FTP, chat, telephony, Telnet.

CETG 0120 – Start/Operate Home Business **24 hrs**
Home-based businesses are the hottest business trend of the decade! Learn how to be your own boss and eliminate the stress of having a job.

CETG 0126 – Start Your Own Consulting Firm **24 hrs**
Find out how you can earn income by sharing your training or knowledge with others.

CETG 0127 – Write Your Life Story **24 hrs**
Have you thought about writing your life story but don't know where to start? This course teaches you how to write your life story. It's a story only you can tell!

CETG 0129 – Home School W/Success **24 hrs**
Discover how to home school your children in a way that ensures they get what they need both academically and socially.

CETG 0131 – Travel Writing **24 hrs**
Explore the world for fun and profit as a travel writer. You may be able to sell your travel experiences to a travel magazine or travel book publisher.

CETG 0132 – Basic CompTIA A+ Certification **24 hrs**
This Hardware 1 course teaches you how to configure and troubleshoot the hardware common to almost every computer, microprocessors, RAM, power supplies, motherboards, drives.

CETG 0133 – Interm CompTIA A+ Cert **24 hrs**
This course teaches you DOS, DOS memory management, Windows 3.x tweaking and troubleshooting, Windows 9x installation, optimization and troubleshooting.

CETG 0134 – Advanced CompTIA A+ Certification **24 hrs**
This course takes you through an extensive set of technology including SCSI, video, modems, printers, multimedia, portable PCs and networking, completing your understanding.

CETG 0135 – Medical Transcription **24 hrs**
Learn how to transcribe the medical reports most often used in healthcare today.

CETG 0136 – Going Green at the Workplace **24 hrs**
Learn cost-effective ways to position your business as a responsible environmental leader in a world of green consumers and carbon-conscious regulators

CETG 0137 – Introduction to Windows XP **24 hrs**
This course covers all the basic skills and concepts needed to use a computer. You will learn how to work with text, pictures, sound, music, DVD, etc. and build your own LAN.

CETG 0138 – Web 2.0,Blogs,Wikis & Podcasts **24 hrs**
In this course, you'll join the Web 2.0 world as you learn how to create and maintain your own blog, wiki, and podcast.

CETG 0139 – Medical Terminology **24 hrs**
The Anatomy of Medical Terminology teaches terminology from an anatomical approach using root terms. A student's learning will allow them to interpret medical notes.

CETG 0140 – Introduction to Natural Health & Healing **24 hrs**
This course is designed for anyone who wants to learn how to promote wellness, balance and health in their daily lives, and will give students an understanding of natural health.

CETG 0141 – Craft of Magazine Writing **24 hrs**
Turn your dreams into bylines and help yourself to a bright future as a magazine writer. It's a great source of extra income and this class will teach you all the skills you need

CETG 0142 – Writerific Creativity Training **24 hrs**
In this class, you'll learn lots of tricks from a published writer's toolbox. Writerific liberates the imagination and the inventive bolts of genius that are in everyone.

CETG 0145 – Introduction to Database Development **24 hrs**
You will be guided step-by-step through all phases of a system development project to guarantee that the resulting product will not only work as it was designed, but respond to user needs.

CETG 0146 – Introduction to SQL **24 hrs**
Learn key concepts of Structured Query Language and knowledge of this database programming language. Learn basic structure of relational databases, how to read and write SQL statements and advanced data manipulation techniques.

CETG 0147 – Introduction to Perl Programming **24 hrs**
A powerful and easy to use scripting language used on PC's, servers, and the Internet for a wide range of programming problems. Perl skills are valuable for Web developers, software developers, and system administrators.

CETG 0151 – Designing Effective Websites **24 hrs**
This course will teach you powerful graphic design technique that will help you build Web sites that are attractive and highly effective. You'll also learn what attracts visitors.

CETG 0152 – Speed Spanish **24 hrs**
This course is designed for anyone who wants to learn Spanish pronto! You'll learn six recipes for gluing Spanish words together to form sentences.

CETG 0153 – Grammar for ESL **24 hrs**
If English is your second language, this class will provide you with an in-depth analysis of English grammar and structure so that you can communicate better in English.

CETG 0154 – A to Z Grant Writing **24 hrs**
This is an invigorating and informative seminar created for executive directors, organizers, board members, volunteers and others who want to learn the grant writing process.

CETG 0155 – Becoming a Grant Writing Consultant **24 hrs**
Learn how you can use a basic knowledge of grant or proposal writing to become an expert in the red-hot grant consulting field. Use your creative writing skills to make a difference.

CETG 0158 – Writing Essentials **24 hrs**
Excel at business communications, express yourself clearly online, and take your creative literary talents to a new level.

CETG 0160 – Introduction to Stock Options **24 hrs**
Learn how to evaluate, buy, sell and profit with investment tools that used to only be for pros. Learn how to protect your portfolio and profit in an up, down or flat market.

CETG 0164 – Introduction to Java Programming **24 hrs**
Learn Java but don't need prior programming knowledge. Practical exercises and examples teach you the most important Java concepts including databases and Java Server Pages.

CETG 0168 – Key to Effective Communicating **24 hrs**
Lost for words? Don't be! Learn communication tools to make a good first impression and build rapport. Become more confident to build better personal and work relationships.

CETG 0171 – Success with Difficult People **24 hrs**
Learn how to have successful relationships with difficult bosses, co-workers, students, neighbors and family members. Understand communication styles to resolve people problems.

CETG 0172 – Get Assertive!! **24 hrs**
Are you tired of being intimidated by others? Learn the skills to be assertive with bosses, co-workers, friends and family members, and how to diffuse anger and avoid criticism.

CETG 0173 – Grammar Refresher **24 hrs**
Gain confidence in your ability to write grammatically correct documents or speeches. Using definitions, examples, and reinforcing exercises you'll cover the basics of grammar.

CETG 0174 – 12 Steps Successful Job Search **24 hrs**
Get the job you want quickly and easily in any economy. You'll learn step-by-step how to build rapport and the six phases of a successful job interview. Increase your confidence, too!

CETG 0175 – Resume Writing Workshop **24 hrs**
Create an effective resume', or improve the one you have. Transform your resume' into a powerful tool to get that interview! Learn effective styles, persuasive cover letters.

CETG 0176 – Individual Excellence **24 hrs**
Master 12 career-enhancing skills including goal setting, time management, personal organization, and creativity. Also gain confidence and learn to minimize conflict in your life.

CETG 0177 – Creating a Successful Business Plan **24 hrs**
Turn your business ideas into a solid plan for finance and long-term success. Learn the major components and emerge with a draft in hand. You'll complete that important first step!

CETG 0182 – Write Effective Grant Proposal **24 hrs**
Learn to prepare proposals that get results for your group or organization. Avoid the mistakes that get worthy proposals tossed into the trash!

CETG 0183 – Understanding Adolescents **24 hrs**
To know your kids is to love them! This course will help you gain an understanding and appreciation of your adolescent's behavior. Learn steps to meet their needs.

CETG 0185 – Achieving Top Search Engine **24 hrs**
Nearly 90% of web traffic comes from search engines. Learn how to achieve the highest possible position with the major search engines.

CETG 0187 – Keyboarding **24 hrs**
Using the computer software program FasType for Windows, you will learn the basic skills of touch typing. This course will help you improve your speed and accuracy.

CETG 0188 – Lose Weight & Keep it OFF! **24 hrs**
Do you want to lose weight and keep it off? Now you can! In this comprehensive course, you'll discover how to establish a healthy approach to weight loss and weight maintenance. You'll master how to set and achieve weight-loss and weight-maintenance goals that make sense for you.

CETG 0192 – Discover Digital Photography **24 hrs**
This course provides an introduction to the fascinating technology of digital photography. You'll learn the basics of equipment, software, printing, Internet and email use.

CETG 0193 – Guide Your Kids on Internet **24 hrs**
This essential course for teachers, leaders and parents will give you the confidence you need to help children get the best from the Internet and use its to its full potential.

CETG 0194 – Grow Plants for Fun & Profit **24 hrs**
This course is a practical guide to licensing, site preparation, equipment, how and where to find supplies, how to select plants and how to market your product.

CETG 0204 – Genealogy Basics **24 hrs**
In this course, you will explore many Internet sites where you can search for family names. You'll learn where to look, who to contact and how to use research tools.

CETG 0208 – Introduction to Oracle **24 hrs**
Learn how to use Oracle database management to plan, organize, and manage your data. You will be introduced to Structured Query Language (SQL) and other tools.

CETG 0210 – GED Preparation **24 hrs**
If you are comfortable reading newspapers and you can add, subtract, multiply and divide without a calculator, this course will help you learn additional skills to pass the GED.

CETG 0211 – SAT/ACT Preparation 1 **24 hrs**
This course prepares you for the Verbal and Science Reasoning sections of the SAT/ACT tests.

CETG 0212 – SAT/ACT Preparation 2 **24 hrs**
In this course, we will analyze each of the quantitative test question areas on the ACT/SAT test. Topics include basic and advanced math, algebraic and geometry concepts.

CETG 0213 – Network+ Certification Prep **24 hrs**
This course will teach you what you need to know to pass the challenging Network+ certification exam and become a network technician. Also passes as an elective exam for MCSA Cert.

CETG 0220 – Introduction to Networking **24 hrs**
Learn who networks have become so important, how software and hardware makes networking possible, and how networks function. This is the foundation for CCNA Certification.

CETG 0225 – Computer Skills for Workplace **24 hrs**
Learn the fundamental computer skills you need to succeed in today's workplace. You'll discover practical applications for email, word processing, spreadsheets and databases.

CETG 0228 – Fundamentals of Technical Writing **24 hrs**
Discover the secrets of successful technical writers, including technical writing conventions, interviewing skills documentation management and how to get your first job.

CETG 0229 – The Keys to Effective Editing **24 hrs**
This course will teach you the fundamentals of top-notch editing for both fiction and non-fiction. If you already work as an editor, you'll learn about recent advances.

CETG 0230 – Write Like a Pro **24 hrs**
Writing a successful novel, screenplay, business report or non-fiction book is easier when you work from a well thought out story outline. You'll learn story structure techniques.

CETG 0231 – Introduction to Internet Writing Market **24 hrs**
This course will help you discover a wide variety of new markets for your writing. If you're a professional writer or just dreaming of being one, this course is for you.

CETG 0238 – Leadership **24 hrs**
Gain the respect and admiration of others, enjoy success in your career, control your destiny. Use the principles of great leaders to achieve success in every aspect of your life.

CETG 0242 – Intermediate Networking **24 hrs**
Real-world applications and a full understanding of almost every aspect of networking technology, including virtual private networks, security, and Internet connectivity and then onto training for CCNA certification. Register at http://www.ed2go.com/saltlakecc

CETG 0244 – Secrets of Better Photography **24 hrs**
Basic technology that all cameras use, helpful information on exposure and lighting. Explore strategies for excellent photos in all types of situations.

CETG 0250 – Accounting Fundamentals **24 hrs**
This course will teach you the basics of double-entry bookkeeping, and how to analyze and record financial transactions and prepare various financial reports.

CETG 0251 – Effective Business Writing **24 hrs**
If you communicate with others in writing, this course will help you identify and eliminate problem areas, and learn the secrets to developing powerful written documents.

CETG 0256 – Professional Sales Skills **24 hrs**
If you've dreamed of becoming successful in sales this class is what you need. You'll learn how to turn prospects into buyers and how to provide excellent customer service.

CETG 0257 – Effective Selling **24 hrs**
The goal of Effective Selling is to help you discover how you can easily convert a potential customer into a long-term asset. You'll learn to lay the groundwork for repeat buyers

CETG 0263 – GRE Prep 1 Verbal/Analytical **24 hrs**
This course covers all the types of questions on the verbal and analytical test, and how to do your best on reading comprehension, analogies, sentence completion, and others.

CETG 0264 – GRE Prep 2 Quantitative **24 hrs**
This course features a math review and techniques for doing the quantitative comparison, discrete quantitative, and data interpretation question in test two.

CETG 0265 – GMAT Preparation **24 hrs**
This course will provide you with test-taking techniques and methods for improving your score $ saving time on the GMAT.

CETG 0267 – Business and Marketing Writing **24 hrs**
Write great marketing copy to improve your company's image and your chances of getting hired or promoted.

CETG 0270 – Drawing - Absolute Beginner **24 hrs**
Gain a solid foundation in drawing and become the artist you've always dreamed you could be!

CETG 0272 – Solvng Classrm Discipline Prob **24 hrs**
Veteran teacher reveals the secrets to an orderly classroom. A step-by-step approach to effective, positive discipline.

CETG 0273 – Intro to Veterinary Assisting **24 hrs**
Practicing veterinarian prepares you to work in a veterinary office or hospital.

CETG 0274 – Math Refresher **24 hrs**
Gain confidence in your basic math skills and start using math to your advantage.

CETG 0275 – Intro to C++ Programming **24 hrs**
Learn to program in C++, even if you have no prior programming experience.

CETG 0276 – Creating the Inclusive Classrm **24 hrs**
Get the training you need to reach the diverse mix of students you face everyday.

CETG 0277 – Get Paid to Travel **24 hrs**
Learn everything you need to start your new and exciting career as a professional director.

CETG 0278 – Beginning Conversational French **24 hrs**
Discover how easy it can be to learn common words and phrases for both leisure and business.

CETG 0282 – Advanced Grant Proposal Writing **24 hrs**
Gain a full understanding of the criteria founders use to determine whether your grant proposal gets funded or rejected.

CETG 0283 – Photograph People w/Digital Camera **24 hrs**
Expert shows you how to take beautiful pictures of adults, children, and babies.

CETG 0284 – Writterific2:Advanced Creativity Training **24 hrs**
Increase your creativity - whether you're writing for personal satisfaction or to launch a career.

CETG 0288 – Teaching ESL/EFL Grammar **24 hrs**
Learn new methods for teaching English grammar that will both engage and challenge ESL/EFL students.

CETG 0289 – Teaching ESL/EFL Vocabulary **24 hrs**
Discover what makes a well-balanced vocabulary course when you're teaching ESL and how to plan one that truly meets your student's needs.

CETG 0290 – Beginning Guide to Getting Published **24 hrs**
Published writer shows you how to give yourself the credibility you need to get your books and articles published.

CETG 0291 – Publish It Yourself **24 hrs**
Convert manuscripts into income by producing and selling books like the pros.

CETG 0292 – Personal Finance **24 hrs**
Protect your assets and discover how best to achieve all your financial goals.

CETG 0296 – Learn to Buy & Sell on EBay **24 hrs**
Auction pros teach you how to work from home or earn extra income by buying and selling goods on-line.

CETG 0299 – Merrill Ream Speed Reading **24 hrs**
Acclaimed speed reading expert teaches you how to save yourself time by reading faster with better comprehension.

CETG 0301 – Introduction to Crystal Reports 10 **24 hrs**
Make the points you want to make by converting raw database or accounting information into impressive and meaningful reports.

CETG 0303 – Research Methods for Writers **24 hrs**
Learn the most efficient and effective methods to conduct research for any writing project.

CETG 0305 – Secrets of the Caterer **24 hrs**
Learn cooking and business secrets from a professional caterer.

CETG 0306 – Enhancing Language Development Childhood **24 hrs**
Enrich the lives of your young children by learning fun and natural ways to help them become proficient speakers and thinkers.

CETG 0307 – Real Estate Investing **24 hrs**
Build and protect your wealth by investing in real estate.

CETG 0308 – Intermediate Oracle **24 hrs**
Learn how to write powerful and flexible PL/SQL programs.

CETG 0309 – Handling Medical Emergencies **24 hrs**
Every second counts during a medical emergency. Learn how to respond if someone needs your help.

CETG 0311 – LSAT Preparation **24 hrs**
Learn about law school entrance procedures, developing analytical reasoning skills, and improving your test-taking skills (course 1 of 2).

CETG 0312 – LSAT Prep Part 2 **24 hrs**
Improve your reading comprehension and logical reasoning skills, and discover proven approaches for selecting correct exam answers (course 2 of 2).

CETG 0316 – Interpersonal Communication **24 hrs**
Become aware of the conscious and unconscious codes of meaning we send when communicating with others.

CETG 0317 – Introduction to Algebra **24 hrs**
Understand how algebra is relevant to almost every aspect of your daily life, and become skilled at solving a variety of algebraic problems.

CETG 0318 – Introduction to Photoshop CS4 **24 hrs**
Learn to use Adobe Photoshop CS4 to edit images, process photos, and create original graphics.

CETG 0320 – Introduction to MS Word 2003 **24 hrs**
Learn how to create and modify documents with the world's most popular word processor.

CETG 0321 – Intermediate MS Word 2003 **24 hrs**
Take advantage of Word 2003's publishing capabilities to create eye-catching documents.

CETG 0322 – Advanced MS Word 2003 **24 hrs**
Learn how to create and use macros, shortcuts, form letters, mailing labels, queries, and more.

CETG 0323 – Introduction to MS Excel 2003 **24 hrs**
Discover the secrets to setting up fully formatted worksheets quickly and efficiently.

CETG 0324 – Intermediate MS Excel 2003 **24 hrs**
Work faster and more productively by learning to use some of Excel 2003's most powerful tools.

CETG 0325 – Introduction to MS Access 2003 **24 hrs**
Learn how to store, locate, print and automate access to all types of information.

CETG 0330 – Advanced MS Excel 2003 **24 hrs**
Increase your potential and maximize your value by becoming an expert Microsoft Excel user.

CETG 0331 – Internet in the Classroom **24 hrs**
Discover how you can use the Internet to make teaching easier for you and more relevant to your students.

CETG 0334 – Wireless Networking **24 hrs**
Industry expert shows you how wireless networking works, as well as how to plan, deploy, and connect to wireless networks.

CETG 0337 – Introduction to Journaling **24 hrs**
Discover how journaling can help you learn more about yourself.

CETG 0342 – Introduction to PC Security **24 hrs**
Security expert teaches the fundamentals of PC and network security.

CETG 0344 – Singapore Math Strategy: Model Draw **24 hrs**
Get the training you need to start teaching model drawing, the powerful Singapore Math Strategy.

CETG 0345 – Marketing Business on the Internet **24 hrs**
E-commerce expert helps you develop an Internet marketing plan for your business.

CETG 0346 – Introduction to PHP and MySQL **24 hrs**
Learn to build dynamic, data-driven Web site using two of the most popular technologies available: PHP and My SQL.

CETG 0347 – Making Movies with XP **24 hrs**
Turn your home videos into entertaining movies that you can share with others by e-mail, the Web, CD and DVD.

CETG 0348 – Introduction to MS FrontPage **24 hrs**
Find out how FrontPage makes it easy to create and upload professional Web sites without programming.

CETG 0349 – Music Made Easy **24 hrs**
Learn the fundamentals of music theory. Be able to read, write, and play simple music.

CETG 0350 – Accounting Fundamentals II **24 hrs**
Give yourself skills that are in high demand by exploring corporate accounting with a veteran instructor.

CETG 0351 – Writing for ESL **24 hrs**
Learn how to write in English more effectively to succeed in college and at work.

CETG 0352 – Speed Spanish II **24 hrs**
Clever follow-up to our popular Speed Spanish course. Several new recipes help you quickly build fluency.

CETG 0353 – Writing for Children **24 hrs**
Published children's author shows you how to touch the hearts of children by creating books for them.

CETG 0354 – Beginning Writer's Workshop **24 hrs**
Get a taste of the writer's life and improve your writing skills in this introduction to writing creatively.

CETG 0355 – CompTIA Security+Certification **24 hrs**
Master the terms and concepts you need to pass the CompTIA Security+ exam and earn your Security+ certificate.

CETG 0356 – CorelDRAW X3 **24 hrs**
Learn how CorelDRAW can help you create dazzling logos and other artwork for print or the Web.

CETG 0357 – Building Wealth **24 hrs**
Certified financial planner show you how most wealthy people build their fortunes.

CETG 0364 – Intro to ASP.net **24 hrs**
Learn how to create powerful, interactive, community-based Web sites with ASP.NET.

CETG 0365 – Introduction to Linux **24 hrs**
Learn how to use the Linux desktop operating system along with the included productivity, multimedia, and internet software.

CETG 0367 – Where Does All My Money Go? **24 hrs**
Learn how to get control of your money once and for all.

CETG 0368 – Worker's Compensation **24 hrs**
Gain essential skills and a solid understanding of one of the fastest-growing areas in law.

CETG 0369 – Real Estate Law **24 hrs**
Learn the basics of real estate law, including investing, title searching, and mortgages.

CETG 0372 – Introduction to CSS and XHTML **24 hrs**
Learn to create state-of-the-art Web sites using modern CSS and XHTML techniques.

CETG 0373 – C# Programming For Beginner **24 hrs**
Learn the fundamentals of computer programming with the new C+ programming language.

CETG 0374 – Intro to MS Visio 2003 **24 hrs**
Learn how to design professional-looking diagrams with Microsoft Visio 2003.

CETG 0377 – Instant Italian **24 hrs**
Learn Italian from the comfort of your home in this fun and enjoyable online course.

CETG 0379 – Practical Idea Adult ESL/EFL **24 hrs**
Learn ESL teaching strategies for fostering a more successful learning environment for your adult ESL/EFL students.

CETG 0380 – Intermediate MS Access 2003 **24 hrs**
Learn to solve real-world business problems with Microsoft Access 2003.

CETG 0382 – Get Grants! **24 hrs**
Learn how to develop successful, fundable grants from experts in the field.

CETG 0384 – Mystery Writing **24 hrs**
Using vivid examples from bestselling mystery novels, this course will teach you the techniques you need to become a successful author.

CETG 0385 – Advanced Fiction Writing **24 hrs**
Explore advanced fiction writing techniques with a published novelist.

CETG 0387 – Introduction to Photoshop **24 hrs**
Learn how to use Photoshop CS3 to fix and process photos and create original images.

CETG 0388 – Survival Kit for Teachers **24 hrs**
Veteran instructor shares the secrets for success in your first years of teaching.

CETG 0389 – Responsible Intervention: Reading Strategy **24 hrs**
Learn response to intervention (RTI) strategies that ensure the struggling readers in your classroom get the help and education they need.

CETG 0390 – Travel Photography **24 hrs**
Learn the tricks and techniques digital photographers need to capture scenes from around the world and bring them home.

CETG 0393 – Intro Python 2.5 Programming **24 hrs**
Learn the fundamentals Python 2.5 programming with topics that include basic decisions and loops, advanced data structures, object-oriented programming, and graphical user interfaces.

CETG 0394 – Start Own Small Business **24 hrs**
Stop dreaming and learn how to start your own successful small business.

CETG 0396 – Writer's Guide to Desc Setting **24 hrs**
Develop your eye for detail and improve your writing with vivid descriptions, memorable settings, and believable characters.

CETG 0397 – Ready, Set, Read! **24 hrs**
A learning specialist shows you how to raise a successful reader and writer.

CETG 0398 – Become an Optical Assistant **24 hrs**
Learn what it takes to become an optical assistant and discover why it's one of today's most popular and fascinating career opportunities.

CETG 0399 – Introduction to Teaching ESL/EFL **24 hrs**
Learn how to be an effective English language teacher from an expert in the field.

CETG 0401 – Introduction to MS Outlook 2007 **24 hrs**
Become a productive and confident Microsoft Outlook 2007 user.

CETG 0402 – Skills/Making Great Decisions **24 hrs**
Learn how to make excellent everyday decisions from an experienced counselor and life coach.

CETG 0403 – Technology in the Classroom **24 hrs**
Learn the secrets of technology integration in the classroom so you can use tools such as wikis, podcasts, and blogs effectively.

CETG 0404 – Business Law for Small Businessmen **24 hrs**
Learn how to successfully protect your small business and solve most of the legal problems that may arise.

CETG 0405 – Introduction to Peachtree Accounting 2009 **24 hrs**
Get the training you need to perform everyday accounting tasks using Peachtree Accounting software.

CETG 0406 – Creating a Classroom Website **24 hrs**
Learn how to create a classroom Web site and how having one can make you a more effective and dynamic teacher.

CETG 0407 – Real Estate Investing II **24 hrs**
Discover the tools professional investors use to crunch numbers and analyze potential deals, and learn how to make better decisions with sophisticated, yet easy-to-use worksheets for doing your own financial analysis.

CETG 0409 – Introduction to InDesign CS3 **24 hrs**
Get hands-on desktop publishing training and come away knowing how to use this popular page layout software.

CETG 0411 – Conversational Japanese **24 hrs**
Course makes it easy and enjoyable for beginners to master the essentials of the Japanese language.

CETG 0412 – Introduction to Ruby Programming **24 hrs**
Learn how to create a dynamic Web blog using the Ruby on Rails programming environment and the Ruby programming language

CETG 0414 – Introduction to Illustrator CS3 **24 hrs**
Get the training you need to create infinitely resizable vector image using Adobe Illustrator CS3.

CETG 0415 – MS PowerPoint 2007 in Classroom **24 hrs**
Learn how to motivate students and enrich lessons by bringing Microsoft PowerPoint 2007 into your classroom.

CETG 0416 – What's New in MS 2007 **24 hrs**
Learn the most important new features of Microsoft Office Word, Excel, PowerPoint, and Access 2007.

CETG 0417 – Introduction to Flash CS4 **24 hrs**
Learn how to use Adobe Flash CS4 software to create engaging Web sites, Flash movies, animation, and interactive applications.

CETG 0420 – Introduction to MS Word 2007 **24 hrs**
Learn how to create an modify documents with the world's most popular work processor.

CETG 0421 – Intermediate MS Word 2007 **24 hrs**
Learn advanced features of MS Word 2007 and create an index, a list of figures, table of contents, do desktop publishing, perform a mail merge, and us timesaving macros.

CETG 0422 – Introduction to Adobe Acrobat 9 **24 hrs**
Create PDF documents and more with Adobe Acrobat 9 Pro.

CETG 0423 – Introduction to MS Excel 2007 **24 hrs**
Work with numbers? You need to know Excel. Learn the secrets of this powerful application.

CETG 0424 – Intermediate MS Excel 2007 **24 hrs**
Master advanced features of Microsoft Excel 2007, including charting and Pivot Tables, and discover how this powerful MS Office program can boost your productivity.

CETG 0425 – MS Access 2007 **24 hrs**
Learn how Microsoft's powerful database can help you store and manage information you've collected about your business, home, or community.

CETG 0427 – Introduction to MS Vista **24 hrs**
Learn the important basic skills and concepts you need to take control of your Windows Visa PC.

CETG 0430 – Advanced MS Excel 2007 **24 hrs**
Discover the advanced features of MS Excel 2007 and find out everything this powerful program can do for you.

CETG 0431 – Introduction to Ajax Programming **24 hrs**
Learn Ajax programming (HTML, JavaScript, XML, PHP, and more) to create Web applications with desktop-like performance.

CETG 0432 – Introduction to Ms Expression Web **24 hrs**
Learn how to use Microsoft Expression Web to create Web sites and discover how it makes it simple to design, edit, and maintain your sites.

CETG 0433 – Going Green at Home **24 hrs**
Step into a green lifestyle as you discover simple, cost-effective ways to make your home environmentally friendly.

CETG 0435 – Introduction to MS Publisher 2007 **24 hrs**
Learn how to design, create, and publish a wide variety of stunning documents using Microsoft Publisher 2007.

CETG 0439 – Explore a Career in Medical Coding **24 hrs**
Learn how to use the CPT manual and the ICD-9-CM to find medical codes for any disease, condition, treatment, or surgical procedure.

CETG 0442 – Advanced PC Security **24 hrs**
Use ethical hacking techniques to locate and close security holes in your own network.

CETG 0444 – Introduction to Dreamweaver CS4 **24 hrs**
Learn to use Adobe Dreamweaver CS4 to design, create, and maintain user-friendly Web sites.

CETG 0445 – Intermediate Dreamweaver CS4 **24 hrs**
Master Adobe Dreamweaver, exploring pure CSS layout and learning how to incorporate multimedia elements such as Flash video and audio

CETG 0446 – Intermediate PHP & MySQL **24 hrs**
Learn how to create a dynamic, interactive online store using advanced PHP techniques and a MySQL database server.

CETG 0447 – Luscious, Low-Fat Quick Meals **24 hrs**
Join a registered dietitian and discover how easy it can be to prepare meals that are both delicious and nutritious!

CETG 0449 – Spanish-Medical Professionals **24 hrs**
Learn medical Spanish quickly and easily, honing your basic conversational skills and mastering key healthcare words and phrases.

CETG 0450 – Singapore Math No.Sense/Comp **24 hrs**
Singapore's innovative and practical strategies for solving addition, subtraction, multiplication, and division problems

CETG 0452 – Speed Spanish III **24 hrs**
Master your ability to speak, understand, and read Spanish by taking the final installment in our unique three-part Speed-Spanish learning series.

CETG 0453 – Explore a Career a Pharmacy Tech **24 hrs**
Master the skills that will prepare you for an entry-level position as a pharmacy tech or clerk.

CETG 0457 – Quickbooks2010 for Contractors **24 hrs**
Learn how to quickly and efficiently gain control over the financial aspects of your business.

CETG 0458 – Introduction to Programming **24 hrs**
Master basic programming concepts and get hands-on practice in writing applications containing GUIs, sound, and graphics.

CETG 0460 – Career as Administrative Medical Assistant **24 hrs**
Learn all about the in-demand career of medical information management as you explore the job of an administrative medical assistant.

CETG 0461 – Photoshop Elements 8 **24 hrs**
Learn to use Adobe Photoshop Elements 8 to bring out the best in your digital photos and images!

CETG 0462 – MS PowerPoint 2007 **24 hrs**
Learn how to use Microsoft PowerPoint 2007 to create impressive, professional-looking slide presentations.

CETG 0463 – Photoshop Elements 8 **24 hrs**
Learn to use Adobe Photoshop Elements 8 to bring out the best in your digital photos and images!

CETG 0464 – Intermediate Java Programming **24 hrs**
Deepen your understanding of the Java programming language, and start writing programs that are more sophisticated and professional.

CETG 0468 – Praxis 1 Preparation **24 hrs**
Develop the knowledge and skills you need to pass the Praxis I Exam as you review and prepare for the test.

CETG 0470 – Easy English 1 **24 hrs**
Learn the basic English skills you need for real-life activities including shopping, job-hunting, and handling medical emergencies.

CETG 0472 – Intermediate CSS & XHTML **24 hrs**
Take your CSS and XHTML skills to the next level and learn how to create professional-quality Web sites.

CETG 0473 – Intermediate C# Programming **24 hrs**
Learn to write Graphical User Interface programs in the C# Programming Language.

CETG 0474 – Introduction to MS Visio 2007 **24 hrs**
Get the training you need to create professional-looking flowcharts and diagrams.

CETG 0480 – Intermediate MS Access **24 hrs**
Expand your Microsoft Access 2007 skills to build better, more user-friendly Access databases.

CETG 0483 – Photoshop Elements 7 **24 hrs**
In this Adobe Photoshop Elements 7 class, you'll learn the secrets to successfully editing photos and bringing out the best in your images!

CETG 0487 – Intermediate Photoshop CS3 **24 hrs**
Have fun taking your Photoshop CS3 skills to the next level of creativity and productivity.

CETG 0490 – Creating WordPress Web Sites **24 hrs**
Learn how to use WordPress to quickly and easily create attractive blogs and interactive Web sites.

CETG 0492 – Introduction to Crystal Reports **24 hrs**
Learn how to use Crystal Reports to create attractive business documents that are easy to read and understand.

CETG 0494 – Start Arts & Crafts Business **24 hrs**
Learn how to start your own arts and crafts business from a professional artist.

CETG 0509 – Introduction to InDesign CS4 **24 hrs**
Learn how to use Adobe InDesign software to design and produce professional quality letterhead, brochures, newsletters, business cards, and more.

CETG 0514 – Introduction to Adobe Illustrator CS4 **24 hrs**
Master the fundamentals of Adobe Illustrator CS4 and learn to create spectacular vector images.

CETG 0517 – Introduction to Adobe Flash CS5 **24 hrs**
Learn how to use Adobe Flash CS5 to create engaging Web sites, Flash movies, animation, and interactive applications.

CETG 0518 – Introduction to Photoshop CS5 **24 hrs**
Learn Adobe Photoshop CS5, the world's best graphics program, to edit and process photos and create original images

CETG 0520 – Introduction to MS Word 2010 **24 hrs**
Learn how to create and modify documents using Microsoft Word 2010, the world's most popular word processing program.

CETG 0523 – Introduction to MS Excel 2010 **24 hrs**
Become proficient in using MS Excel 2010 and discover dozens of shortcuts and tricks for setting up fully formatted worksheets quickly and efficiently.

CETG 0525 – Introduction to MS Access 2010 **24 hrs**
Learn to build, edit, and maintain a database in Access 2010.

CETG 0527 – Introduction to MS Project **24 hrs**
Learn how to effectively plan, implement, and control projects using Microsoft Project 2007.

CETG 0537 – Introduction to Windows 7 **24 hrs**
Get up to speed quickly on Microsoft Windows 7 with this fun and easy hands-on course for beginners.

CETG 0543 – Photoshop CS4 for Digital Photography **24 hrs**
Learn how to use the Adobe Photoshop CS4 software to edit and enhance your digital photos.

CETG 0544 – Introduction to Dreamweaver CS5 **24 hrs**
Learn to use Adobe Dreamweaver CS5 to design, create, and maintain user-friendly Web sites with professional Web pages.

CETG 0546 – Intermediate SQL **24 hrs**
Expand your knowledge of Structured Query Language (SQL), the industry standard database programming language.

CETG 0557 – Quickbooks2011 for Contractors **24 hrs**
Learn to use QuickBooks 2011to manage invoicing and costs, keep on top of time tracking, generate powerful reports, and maximize efficiencies.

CETG 0561 – Photoshop 9/Digital Photo **24 hrs**
Learn the secrets of Adobe's PhotoShop Elements 9 and bring out the best in your images.

CETG 0566 – Introduction to Dreamweaver CS3 **24 hrs**
Learn Adobe Dreamweaver from a Web design pro. and get the training you need to develop first-class Web sites.

CETG 0567 – Intermediate Dreamweaver CS3 **24 hrs**
Take your Adobe DreamWeaver skills to the next level under the tutelage of a proven Web development expert.

CETG 0586 – Introduction to VB 2008 **24 hrs**
Learn to create Windows applications using the popular and easy-to-master Visual Basic 2008.

CETG 0587 – Intermediate VB 2008 **24 hrs**
Gain in-demand VB skills writing sophisticated Windows programs that access and modify business databases.

CETG 0609 – Introduction to InDesign CS5 **24 hrs**
Learn Adobe InDesign CS5 software to design and produce professional-quality letterhead, brochures, business cards, and more.

CETG 0638 – Photograph Nature w/Digital Camera **24 hrs**
Learn how to use your digital camera to take stunning nature photos.

CETG 0640 – Introduction to QuickBooks 2009 **24 hrs**
Learn how to quickly and efficiently gain control over the financial aspects of your business.

CETG 0641 – Introduction to QuickBooks 2010 **24 hrs**
Learn how to quickly and efficiently gain control over the financial aspects of your business.

CETG 0642 – Introduction to QuickBooks 2011 **24 hrs**
Use the power of QuickBooks software to take control of your business finances.

CETG 0643 – Intermediate Photoshop CS4 **24 hrs**
Learn advanced techniques for using Adobe Photoshop CS4 to edit your images and photos.

CETG 0800 – Administrative Medical Assistant **360 hrs**
Admin Medical Assistant with Billing, Coding and Term

CETG 0802 – Medical Billing, Coding, & Terminology **300 hrs**
This course is designed to prepare you for a position as a medical coding and billing professional.

CETG 0804 – Medical Transcription & Terminology **300 hrs**
Gain the ability to transcribe medical reports and learn the skills you need to obtain an entry-level position as a medical transcriptionist.

CETG 0806 – Medical Terminology **60 hrs**
This is a course for client employees to gain a better understanding of medical terminology.

CETG 0807 – ICD-10 Medical Coding **200 hrs**
The ICD-10 Medical Coding Online Training Program will teach you how to prepare for and implement the massive changes to the existing coding system.

CETG 0809 – Advanced Hosp Coding & CCS Prep **80 hrs**
The Advanced Hospital Medical Coding Online Program and CCS Test Preparation Training Program will prepare you to take the American Health Information Management Association's (AHIMA) official certification exam to become a Certified Coding Specialist (CCS).

CETG 0810 – Administrative Dental Assistant **150 hrs**
You'll learn about patient care, as well as how to assist with dental administrative duties.

CETG 0812 – Personal Training/Exercise for Adult **200 hrs**
You'll learn to work with seniors and older adults in the health and fitness industry and design specialized exercise and wellness programs for older adult clients.

CETG 0830 – CompTIA A+ Certification **150 hrs**
This program will prepare you for CompTIA A+ certification.

CETG 0837 – MS Cert. IT Pro: MCITP **240 hrs**
This program will prepare you to administer and manage Windows 2008 Networks and to take the Microsoft 70-640, 70-642 and 70-646 certification exams.

CETG 0840 – Web Design Certificate **420 hrs**
Learn how to develop the visual graphic and information design skills required to create compelling Web sites, Adobe Photoshop, Adobe Dreamweaver, Fireworks, and Flash.

CETG 0846 – Multimedia Arts Certificate **420 hrs**
The Multimedia Design program will teach you proficiency in the core tools for interactive development: Adobe Photoshop, Flash and After Effects, and you will learn to shoot and edit digital video.

CETG 0851 – Project Management/ MS Project 2007 **100 hrs**
Learn the basics of project management and master one of the most popular project management scheduling software products available today.

CETG 0854 – Six Sigma Black Belt **200 hrs**
Learn the appropriate tools and concepts at each stage of project deployment.

CETG 0855 – Six Sigma Green Belt **100 hrs**
The Six Sigma Green Belt Online Training Program provides you with an overview of the Six Sigma concepts and tools,

CETG 0861 – Professional Bookkeeper QuickBooks 2010 **140 hrs**
Prepare for a career in the high-demand field of bookkeeping and accounting as you master QuickBooks 2010—the leading financial software tool for small businesses.

CETG 0864 – Payroll Practice & Management **80 hrs**
Get the training to help prepare you for the Certified Payroll Professional (CPP) test given by the American Payroll Association.

CETG 0870 – Digital Arts Certificate **420 hrs**
This certificate program will help you develop technical skills and creative artistry in digital imaging, illustration, and photography.

CETR 0002 – UDOT Basics of Design II **0 hrs**
Use the most up-to-date Project Design Criteria form to identify UDOT standards for design speed, lane width, shoulder width, horizontal alignment, vertical alignment, grades, stopping sight distance, cross slopes, super elevation, structural capacity, bridge width, vertical clearance, and lateral offset to obstruction.

CETR 0003 – UDOT Structures TEP Lev 2 **10 hrs**
Basic structure types, components and terminology.

CETR 0006 – UDOT OMS TEP Level 3 **10 hrs**
Basic of MMS. MMS is used for reporting cost associated with maintenance activities.

CETR 0010 – UDOT Environmental TEP Lev 1 **10 hrs**
Introduce you to environmental issues and how they relate to UDOT construction and maintenance projects. You will learn about UDOT's environmental study process, required permits, clearances, basic principles of erosion and sediment control.

CETR 0013 – UDOT Materials I TEP Lev 1 **10 hrs**
Theory of design and introduction to pavement and materials.

CETR 0014 – UDOT Materials TEP Lev 2 **10 hrs**
Know where to find applicable reference standards; become familiar with Quality Assurance Concepts. Develop a background in measurements and calculations. Focus on aggregate testing.

CETR 0015 – UDOT Materials II **10 hrs**
Know where to find applicable reference standards; become familiar with Quality Assurance Concepts. Develop a background in measurements and calculations. Understand field testing techniques. Focus on concrete testing.

CETR 0016 – UDOT Plan Reading TEP Lev 1 **10 hrs**
Introduce basic UDOT plan reading including, engineering views, section views, standard drawings, special provisions, coordinate systems, stationing, horizontal and vertical curves, drainage features, embankments, and signing.

CETR 0017 – UDOT Plan Reading TEP 2 **10 hrs**
Builds on plan reading concepts learned in Plan reading I. Topics include: environmental documents, right-of-way, retaining walls, bridge structures, highway lighting, traffic signals and control plans.

CETR 0018 – UTA - ITCLI007 Welding Introduction **4 hrs**
Distinguish between different electrodes and wires, setup and operation of LN-25 wire feed machine. Basic safety and setup for SMAW and FCAW and use of welding machine in different positions.

CETR 0019 – UTA-Basic Welding/Metal Work **0 - 144 hrs**
Perform basic ox-acetylene cutting, common welding, brazing and soldering operations. Select and use the proper electrodes and weld in flat, horizontal, vertical and overhead positions. Fabricating components from channel angles and tubing. Blueprint reading.

CETR 0020 – Basic Welding **0 - 100 hrs**
This course is designed to help students perform basic oxy-acetylene cutting, common welding and brazing operations. Incorporate classroom training to actual work.

CETR 0021 – UDOT MMQA TEP Lev 3 **10 hrs**
How to properly collect data for the MMQA system.

CETR 0026 – UDOT Office Inspection TEP Lev 4 **10 hrs**
Students should be familiar with documentation terms and practices as they apply to construction of UDOT projects. A hands-on approach from the beginning of a project to the end.

CETR 0030 – UDOT Roadway Advanced III **0 hrs**
Alternatives Roadway Development Process, provides an overview of the MVC alternative development process.

CETR 0034 – UDOT Signal Int Lighting III **0 hrs**
Alternatives Signal Lighting Development Process, provides an overview of the MVC alternatives development process.

CETR 0037 – UDOT Traffic/Safety II **0 hrs**
Alternatives Traffic/Safety Development Process, provides an overview of the MVC alternatives development process.

CETR 0039 – UDOT Equipment Management TEP Lev 4 **10 hrs**
Basics of how UDOT keeps track of equipment uses.

CETR 0040 – SLC Airport Authority Electrical **40 hrs**
Basic cognitive and psychomotor skills needed to troubleshoot and repair motors, motor controls, and electrical systems. Terminology to electrical wiring, safety devices.

CETR 0041 – SLC Airport PLC 500 Maintenance **32 hrs**
A programmable logic controller (PLC) is a specialized computer used to control machines and processes. It uses a programmable memory to store instructions and execute specific functions that include on/off control timing, counting, sequencing, arithmetic and data handling.

CETR 0042 – SLC Airport 10 Wheel Dump Truck **10.5 hrs**
Train and upgrade the skills of employees for the safe operation of city equipment. A certified trainer will provide training and instruction in the classroom and hands on training.

CETR 0043 – SLC Airport Diversity **2 hrs**
Open discussions about diversity and what diversity means to us as individuals, as communities and as a nation.

CETR 0044 – SL Airport Transportation Truck **3 hrs**
Train and upgrade the skills of employees for the safe operation of city equipment. Pre-trip and post-trip inspections, safety in and around the equipment, safe operation of the Transport truck, and understanding the Federal Motor Carrier Safety Admin Cargo rules.

CETR 0045 – SLC Airport Defensive Driving **2 hrs**
Attention discipline-exercises on driving around and hazards to look for. Tire blow out recovery from cars to 18 wheel vehicles. Skid control from front wheel to four-wheel drive vehicles.

CETR 0046 – SLC Airport Backhoe Training **218 hrs**
Evaluation to determine current knowledge and skill level. Classroom on emphasis backhoe safety principal. On-site hands on training, and post training evaluation.

CETR 0052 – UDOT - English II **0 - 50 hrs**
Course emphasizes writing skill development through practice writing, with special emphasis on areas such as planning writing, standard abbreviations, footnote techniques, and correction of writing through group analysis.

CETR 0053 – UDOT English Level III **0 - 50 hrs**
Emphasis in on developing writing skills through using techniques that generate ideas, identify audiences and purposes, construct arguments, and state problems. Review spelling, punctuation, and usage skills.

CETR 0054 – UDOT English IV **0 - 50 hrs**
Introduce the role of writing and communication in the workplace and daily life. Focus on developing skills in critical thinking, perceptive reading, and writing with purpose, unity and coherence.

CETR 0061 – UDOT - Basic Math **0 - 50 hrs**
Developmental course in math, designed to help students acquired or renew competency in calculation involving whole numbers, place value and rounding , exponents, order of operations, fractions, decimals, ratio and proportion, percents and basic business math.

CETR 0062 – UDOT Math Level II **0 - 50 hrs**
Emphasis on factoring and solving linear quadratic equations graphing linear equations, and applied problems and geometry applications.

CETR 0063 – UDOT Math III **0 - 50 hrs**
Introduce the basics and applications of geometry in preparation for surveying/static's courses. Emphasis on parallels, congruent triangles, circles, trigonometric laws, polygons, surface areas, volumes and vectors.

CETR 0064 – UDOT Math IV **0 - 50 hrs**
Introduce trigonometric functions and relations, identifies solutions of right angles, oblique triangles, trigonometric equations, and vectors.

CETR 0066 – UDOT Math VI **0 - 10 hrs**
Covers basic hands-on approach to basic keystrokes of the HP 48-GX graphing calculator that corresponds with the algebraic concepts introduced in the math classes.

CETR 0071 – UDOT Supervisory Management **0 - 24 hrs**
Management course designed to help managers learn leadership, communication, and performance appraisal skills. Effective communication in a diverse work environment, and conflict resolution.

CETR 0081 – UDOT Office Inspec/Doc TEP Lev 1 **10 hrs**
Introduce office administration procedures including filing, payroll, contractor's payroll, PR-1391, vehicle reports, training reports, ticket adding, interviewing, and truck overweighs.

CETR 0082 – UDOT Office Inspec TEP Lev 2 **10 hrs**
Introduce correspondence, change orders, subcontract agreements, stockpile requests and payments, and review procedures from inspectors manual.

CETR 0083 – UDOT Office Inspec TEP Lev 3 **10 hrs**
Introduces DBE specifications, interviews, bulletin boards, Affirmative Action Plan, and partial estimates, reviews procedures from the inspectors manual.

CETR 0084 – UDOT Office Inspection IV **10 hrs**
The process of documenting the construction of a UDOT project, covering the paperwork involved in constructing, finishing, accepting and closing out a project for final payment to contractor.

CETR 0091 – UDOT Surveying I **10 hrs**
Covers survey skills including measurements of horizontal distance, leveling, and measurements of angles.

CETR 0092 – UDOT Surveying TEP Lev 2 **10 hrs**
Covers surveying techniques including, field operations with the Transit or Theodolite, line directions, traverse surveys and computations, and horizontal control networks.

CETR 0093 – UDOT Surveying TEP Lev 3 **10 hrs**
Covers surveying techniques including, US public land survey state plane coordinates, horizontal and vertical curves, and topographical surveys.

CETR 0094 – UDOT Surveying TEP IV **10 hrs**
Introduces basic surface preparation or refinishing, proper utilization of refinishing products and equipments, spray and blending techniques, and the proper mixing ratios for refinishing products.

CETR 0099 – UDOT-Basics Pub Presentations **2 hrs**
To teach UDOT engineers the basics of public presentations to community and academic groups. Speech anxiety, audience analysis, organization visual aids, PowerPoint and delivery.

CETR 0100 – UDOT Word TEP Level 1 **10 hrs**
Covers the basic skills used as you create and edit documents in Microsoft Word.

CETR 0101 – UDOT Word TEP Level 2 **10 hrs**
Covers the basic skills used as you create and edit documents in Microsoft Word.

CETR 0102 – UDOT Excel TEP Level 1 **10 hrs**
Covers basic skills used as you create and edit documents in Microsoft Excel.

CETR 0103 – UDOT Excel TEP Level 2 **10 hrs**
Covers the basic skills uses as you create and edit documents in Microsoft Excel.

CETR 0104 – UDOT PowerPoint TEP Level 4 **10 hrs**
Microsoft PowerPoint will introduce the basic skills necessary for creating presentations.

CETR 0105 – UDOT-CEMT Contract Administration **2 hrs**
Contract administration and resident engineer duties and authority. This class is designed to give a greater understanding of the engineer's daily duties and to prepare to better administer a construction project for UDOT.

CETR 0106 – UDOT-CEMT Utilities & Railroad **3 hrs**
This class is designed to give an overview of the many things that are expected of a project manager or engineer in working with specifications, state, federal laws, requirements and documentations.

CETR 0107 – UDOT-CEMT Negotiation/Traffic **2 hrs**
Negotiation and traffic control.

CETR 0108 – UDOT-CEMT Materials/Closeout **5 hrs**
This class is designed to give an overview of the many things that are expected of a project manager or engineer in the materials and project closeout areas.

CETR 0109 – UDOT-CEMT PDBS/Project Estimates **2 hrs**
This class is designed to provide insight into innovative contracting methods and the advantage of using different methods to deliver projects more efficiently and in less time.

CETR 0110 – UDOT-CEMT Environmental Resource **2 hrs**
This class is designed to give an overview of the many things are expected of a project manager or engineer in the environmental process and resource that impact those areas.

CETR 0111 – UDOT-CEMT Civil Rights **5 hrs**
This class is designed to give an overview of external civil rights issues with detailed information and guidance to assist contractors, consultants, and subcontractors.

CETR 0203 – UTA Basic Refinishing **0 hrs**
The goal of this course is to introduce entry-level technicians to the painting and sheet metal process, and build the critical skills and safety needed for a career in bus body repair.

CETR 0204 – UTA Machine Operation **0 hrs**
The basic goal of the project is to provide an improved public transportation system in a cost-effective, environmentally sensitive and socially responsible “design to cost” philosophy.

CETR 0205 – UTA 5 Pillars Successful Teams **8 hrs**
The Five Pillars of Successful Teams-UTA. This is a hands on, participatory to help ongoing efforts to build and improve their team. Team leadership styles, real team communication, building camaraderie, the dynamics of synergy, the heard of any successful team.

CETR 0300 – UTA Damage Analysis **0 hrs**
Introduction to the design criteria and standards to be used for the commuter rail system

CETR 0301 – UTA HVAC (80 hours) **0 hrs**
Basic electrical training program is designed for UTA apprentices. By combining theory and practical shop experience, the student will develop the basic cognitive and psychomotor skills needed to troubleshoot and repair.

CETR 0302 – UTA HVAC Heating 1 **80 hrs**
UTA training for safety, refrigerant certification, controls components, PM troubleshooting, and tools and equipment.

CETR 0400 – ES60 UPRR Basic Welding **0 - 100 hrs**
Welding safety, setup and operate Oxy-fuel cutting and welding equipment, shielded metal ARC welding (SMAW) equipment.

CETR 0401 – ES20 UPRR Advanced Bridge WireFd Welding **0 - 100 hrs**
Welding safety, setup and operate, review oxy-fuel safety. Identify various joint designs, qualify tests in vertical up (3G) and overhead (4G) position, feed welding. GMAW and FCAW processes using 068-232 wire.

CETR 0402 – ESAW UPRR Advanced Welding **0 - 100 hrs**
Welding safety, Oxy-fuel safety quick review. Equipment Adv. Shielded Metal Arc Welding, filler metals, Joint Design, Welding symbols and quality control. Welding test vertical up (3G) and overhead (4G) positions.

CETR 0411 – ES20 UPRR Advanced Bridge Stick Welding **80 hrs**
Welding safety, setup and operate, review, oxy-fuel safety, identify various joint designs, qualify test in vertical up (3G) and overhead (4G) position, feed welding GMAW and FCAW processes using 068-232 wire will be thicker on the material. SMAW (Shield Metal Arch Welding) will be used. Advanced Bridge Stick Welding.

CETR 0600 – Conflict Management Skills **8 hrs**
This workshop explores the five models people use in dealing with conflict and how to determine which is best. Attendees learn how to diffuse negative situations and promote harmony. It includes exercises designed to help participants constructively engage with and manage conflict rather than avoid it.

CETR 0601 – Help Employees Embrace Change **8 hrs**
Participants learn about the emotional impact that both small and large change has on an employee. Session also focuses on the strategies necessary for helping employees embrace and positively promote change.

CETR 0602 – Communicating for Results **8 hrs**
Communicating for results gives the student the opportunity to explore how communication styles effect overall performance. It improves both verbal and non-verbal communication skills to become more effective in groups or individual communication settings.

CETR 0603 – Sales for Non-Sales Managers 8 hrs
This valuable workshop focuses on various sales techniques and how they are successfully used by non-sales professionals.

CETR 0604 – Superior Sale Performance 8 hrs
This valuable workshop focuses on various sales techniques and how they are successfully used by non-sales professionals.

CETR 0605 – Peer Today, Boss Tomorrow 8 hrs
Without adequate preparation for the transition from peer to boss, many new managers struggle to reach their full potential. Outlines four strategies to help new managers make successful transitions. Helps new managers address their evolving relationships with colleagues. A vision point seminar.

CETR 0606 – Secrets of Leadership 8 hrs
This insightful and engaging workshop will benefit and motivate managers on all levels. They will understand and have embraced eight often overlooked aspects of leadership.

CETR 0607 – Coaching & Team Bldg for Managers 8 hrs
A sports coach cannot win without a team and neither can a business. Learn how to empower a team, give clear directions and set goals. How to handle conflict in a team and build unity. Understand feedback and successful communication when leading or coaching a team.

CETR 0608 – Keep Customers in a Tough Economy 8 hrs
This workshop focuses on customer retention and relationship management. Overcoming short term objections for long term buying habits. Do's and Don'ts of customer service. Involving your customers in making the company better. Defining Key moments in customer behavior.

CETR 0609 – Topics for Women in Leadership 8 hrs
This leadership development workshop is designed for women in business. Covers topics such as how you can motivate, engage and inspire individuals and teams, lead with self-confidence, and develop strong communication skills. Network with professionals and managers and discuss issues and perceptions unique to women in leadership.

CETR 0610 – Customer Service Phone Skills 8 hrs
This workshop teaches the key skills necessary to provide the best customer service over the phone. Great for both inbound and outbound call center agents, as well as sales professional that do business over the phone.

CETR 0611 – Make Money in the Green Sector **8 hrs**
What is a "Green" industry or occupation? There are many aspects of work that could be considered green, such as new materials, methods, products and services. This workshop gives an overview of the emerging industry and where money can be made.

CETR 0612 – Successful Time Management Strategies **8 hrs**
Workshop goes beyond the basic Franklin planner training and discusses time wasters, time strategies, and time creation. Great for the busy executive.

CETR 0613 – Turn Social Media into Sales **8 hrs**
Learn how to take advantage of the power of social media to build your business. Hands on workshop in a computer lab that focuses on the marketing and sales strategies involving Twitter, LinkedIn and Facebook.

CETR 0614 – Lean Office Boot Camp **8 hrs**
Learn how to apply lean operating principles to the office environment. Improve productivity and eliminate waste in administrative and other non-manufacturing elements of your business.

CETR 0615 – Human Resource Leadership **8 hrs**
HR Leaders need a special set of management and people skills. Learn leadership skills that will quickly improve your performance and those you supervise.

CETR 0616 – Guerilla Marketing in Today's Economy **8 hrs**
Marketing does not have to be complicated or expensive. Tap into marketing that works. Learn how to make a plan and avoid analysis paralysis.

CETR 0617 – Lean Sigma Champion **8 hrs**
Overview of Lean principles including the eight forms of waste and the cultural change that must take place. Discuss the role of management in lean. Discuss if Lean is right for your company.

CETR 0618 – Business Etiquette for Digital Age **8 hrs**
Students will learn concepts of etiquette through different generations, and find out why yesterdays rules are no longer effective.

CETR 0619 – Five Pillars Successful Teams **8 hrs**
Workshops will guide leaders through the basic principles that go into making a successful team.

CETR 0620 – Beyond Time Management **8 hrs**
Students will learn concepts of time management.

CETR 0621 – Stay Positive while Stressed **4 hrs**
Students will learn how to stay positive while stressed.

CETR 0622 – Sales for a Non-Sales Prof **8 hrs**
Students will learn concepts of successful sales techniques.

CETR 0623 – Power Writing for Today **8 hrs**
Students will learn how to use techniques on infusing power into different types of writing.

CETR 0624 – Lang of Whole Brain Leadership **8 hrs**
Students will learn how to send concrete messages.

CETR 0625 – Customer Service and Beyond **8 hrs**
Students will learn how to use techniques to focus on customer's needs.

CETR 0626 – IPC-J-STD-001: L3 Communications **40 hrs**
Consensus standard for soldering materials, processes using lead-tin and lead-free solder.

CETR 0627 – IPC-A-620E: L3 Communications **40 hrs**
Consensus standard for requirements and acceptance for cable and wire harness assemblies.

CETR 0628 – IPC-A-610E: L3 Communications **40 hrs**
Enables students to make correct/accept/reject decisions for appropriate class(es) of electronic assemblies.

CETR 0629 – Taking the HEAT **5 hrs**
Students will learn a set of best practices for taking the "heat" to turn difficult customer situations into positive interactions.

CETR 0700 – BMLI-Setting Performance Expectations **5 hrs**
This course helps leaders drive performance and accountability by helping people understand what is expected of them and gaining their commitment to achieving it.

CETR 0701 – BMLI-Coaching for Improvement **5 hrs**
Helps leaders conduct effective discussions and provide the feedback and ongoing support people need to improve performance.

CETR 0702 – BMLI-Coaching For Success **5 hrs**
Develops leaders who help people achieve goals and avoid problems, a positive experience for themselves and those being coached.

CETR 0703 – BMLI-Delegating for Results **5 hrs**
In this course, leaders overcome their hesitation to delegate by learning skills for successfully matching people with responsibility and authority.

CETR 0704 – BMLI-Essentials Of Leadership **5 hrs**
Teaches leaders how to get results through people.

CETR 0705 – BMLI- Starting as a New Leader **5 hrs**
Arms new leaders with the knowledge and skills they need to confront the challenges associated with getting their footing and results as a new leader more quickly.

CETR 0706 – BMLI-Leading Change **5 hrs**
This course focuses on leaders' crucial role in initiating change in the workplace.

CETR 0707 – BMLI-Lead High Performing Team **5 hrs**
This course provides team leaders with the tools and skills to perform three primary responsibilities-diagnose, coach and reinforce.

CETR 0708 – BMLI-Resolving Conflict **5 hrs**
This course teaches leaders how to recognize that a conflict is escalating and minimize damage by using the most appropriate resolution tactic.

CETR 0709 – BMLI-Lean Six Sigma Green Belt **24 hrs**
Learn how to identify and implement changes in operation aimed at reducing waste, cost, time and variation.

CETR 0710 – BMLI-Lean Six Sigma Black Belt **40 hrs**
Learn how to lead teams for change and improvement.

CETR 0711 – Project Management Professional Exam Prep **40 hrs**
Prepares students to successfully pass the PMP exam.

CETR 0712 – BMLI-Developing Others **5 hrs**
Course provides leaders, coaches and mentors with a practical process and the skills necessary to develop talent.

CETS 0100 – Health Info Tech Support **48 hrs**
Learn to help medical offices use Electronic Records. Support Health IT systems and users, patch and upgrade software. Recommended for those with strong existing IT background. Requires approval from Health IT Program Manager.

CEWB 0001 – WNET **0 - 10 hrs**
Women's Network for Entrepreneurial training. Mentoring and training initiative of the US SBA, designed to train participants in professional skills that promote positive and profitable business development.

CEWB 0013 – Fast Trac-First Step **36 hrs**
Communicating the business concept, gathering information for feasibility, product and services.

CEWB 0100 – WBI-Counseling **0 - 100 hrs**
One on one counseling with small business owners.

CHE 2000 – Cooperative Education **1 - 2 cr**
Prereq: Sophomore standing, minimum 2.0 GPA, and instructor approval. This is a supervised work experience in a business, industrial, or government environment related to the program major. Credit is award for successful completion of specified learning objectives.

CHE 2300 – Engineering Thermodynamics **2 cr**
Prereq: CHEM 1210 and MATH 1220. Recommended prereq: PHYS 2210. First and second law of thermodynamics, internal energy, enthalpy, entropy and open and closed systems are covered. Engineering cycles including Carnot, Otto, Diesel, Brayton and Refrigeration are introduced.

CHE 2450 – Numerical Methods **2 cr**
Prereq: ENGR 1030 or 1040; MATH 2250. Recommended prereq: MATH 2210. Numerical techniques used in engineering computing, including: convergence, error accumulation, roots, solution of linear and nonlinear equations, numerical integration and differentiation, and solutions to differential equations.

CHE 2800 – Fundamentals Of Process Engineering **3 cr**
Prereq: CHE 2300. Material and energy balances, fundamentals of multicomponent phase properties and phase equilibria, numerical and graphing calculations, degrees of freedom, and applications to process engineering calculations are covered.

CHE 2900 – Special Topics In Chemical Engineering **1 - 3 cr**
Special Topics reflecting items of current interest in Chemical Engineering.

CHEF 1110 – Sanitation **3 cr**
Develop an understanding of basic principles of sanitation and safety. Be able to apply them in foodservice operations. Reinforce personal hygiene habits, protecting consumer's health. Class is prerequisite/co requisite for any lab class.

CHEF 1120 – Introduction to Food Service **3 cr**
An overview of the food service industry both past and present. Organizational structure and various types of food service establishments are studied. Current and future trends in the food industry are examined and discussed.

CHEF 1130 – Management of Marketing **3 cr**
Marketing is the foundation for every successful business. Managers must understand the principles of the marketing cycle; who customers are, what they want and how to set prices. Managers determine goals and track them.

CHEF 1160 – Herb Horticulture **3 cr**
Students identify, cultivate and use various herbs. Students plant, maintain, and harvest herbs. Students learn fundamentals of utilizing herbs for culinary purposes, can prepare for jobs in clean/green industries.

CHEF 1210 – Food and Beverage Service **3 cr**
The course concentrates on professional standards of performance for dining room personnel. Course may be taught with a Service Learning component.

CHEF 1220 – Beginning Food Prep **3 cr**
Prereq: CHEF 1110 w/C grade or better (can be taken concurrently) or valid ServeSafe Certificate. Coreq: CHEF 1225. This course includes basic classroom and laboratory experiences needed to develop skills in safe knife, tool and equipment handling and apply principles of food preparation to produce a variety of food products. Foundation topics for optionally offered production coursework include breakfast and pantry preparations and stock, soup and sauce cookery.

CHEF 1225 – Beginning Food Prep Lab **3 cr**
Prereq: CHEF 1110 w/C or better (can be taken concurrently) or valid ServeSafe Certificate. Coreq: CHEF 1220. To develop skills in knife, tool and equipment handling and apply principles of food preparation to produce a variety of food products. To operate equipment safely and correctly. To apply knowledge of laws and regulations relating to safety and sanitation in the kitchen. Instruction and learning activities are provided in a laboratory setting using hands-on experiences with the tools, equipment.

CHEF 1250 – Food Preparation **6 cr**
Prereq: Student must have valid ServeSafe certification or CHEF 1110 w/C grade or better (can be taken concurrently). Coreq: CHEF 1350. Basic fundamental skills and techniques are presented through lecture and demonstration emphasizing organization and coordination of tasks.

CHEF 1299 – Special Studies **2 - 5 cr**
Prereq: Department Approval Designed to assist students to obtain specialized training specific to industry needs. Is taught on an as-needed basis when requested by industry.

CHEF 1310 – Advanced Food Prep **3 cr**
Prereq: CHEF 1110 w/C or better (can be taken concurrently) or valid ServeSafe Certificate AND CHEF 1220 and 1225. Coreq: CHEF 1315. The course content centers on preparation management using the decision-making process, meeting health and safety needs in the workplace, preparing and serving food, maximizing resources when planning preparing/serving food, and promoting hospitality in food practices.

CHEF 1315 – Advanced Food Prep Lab **3 cr**
Coreq: CHEF 1310. Instruction and learning activities are provided in a laboratory setting using hands-on experiences with the tools, equipment, and materials appropriate to the course content. Strong emphasis will be given to outcomes in demonstration of personal productivity, basic skills in communication and following instructions, kitchen mathematics, and scientific principles related to the foods industry.

CHEF 1320 – Business Math (QS) **3 cr**
This class introduces students to the need and principles of controlling costs of food and beverages in a hospitality operation. This course also satisfies the General Ed requirement for AAS degrees, certificates and diplomas.

CHEF 1330 – Foundation Wine **3 cr**
Prereq: 21 years of age minimum. This course will provide training on the pairing of food and beverages, including wines and other beverages both alcoholic and non-alcoholic.

CHEF 1350 – Food Preparation Lab **6 cr**
Prereq: Student must have valid ServeSafe certification or have passed CHEF 1110 w/C grade or better (can be taken concurrently). Coreq: CHEF 1250. This is an applied, hands-on skill training of principles learned in the CHEF 1250 class.

CHEF 1600 – Herb Horticulture **1 cr**
Lecture/Lab Students identify, cultivate and use various herbs. Students plant, maintain, and harvest herbs. Students learn fundamentals of utilizing herbs for culinary purposes, can prepare for jobs in clean/green industries.

CHEF 1810 – Culinary Competitions **3 cr**
Prereq: CHEF 1110 w/C grade or better (can be taken concurrently) or valid ServeSafe Certificate. The course will introduce students to the rigors of professional culinary competition as sanctioned by various organizations including: the American Culinary Federation, the Research Chefs Association, SkillsUSA, and the Retail Baker's Association.

CHEF 1896 – Capitol Dining **3 cr**

Prereq: CHEF 1110 w/C grade or better (can be taken concurrently) or valid ServeSafe Certificate. Capitol Dining courses are designed to offer the student practical culinary production experience to include the study of purchasing and inventory management of foods and other supplies to determine order quantities, formal and informal price comparisons, proper receiving procedures, storage management, and issue procedures. A grade of 2.8 or better applies towards 2,000 hours needed for graduation.

CHEF 2000 – Baking Co-Op **4 cr**

Cooperative education permits the students to gain college credit for the hours spent on the job. Advanced registration and agreement signed between employer, student, and the College must be in place before the semester begins.

CHEF 2001 – Culinary Arts CO-OP **2 - 4 cr**

Co-op permits students to gain college credit for the hours spent on the job. Adv. registration and agreement signed between employer, student, and College required prior to the semester beginning.

CHEF 2330 – Advanced French Wines **3 cr**

Prereq: Must be 21 years of age. The French Wine Scholar program is an official course of study designed for wine trade and enthusiasts. It is endorsed by Wines of France/French National Wine Office and taught by licensed French Wine Academy Instructors. Students will gain in depth understanding of wine in France.

CHEF 2410 – Purchasing **3 cr**

To understand overall concept of purchasing, receiving practices, and regulations governing food products. Receive and store food and non-food items properly.

CHEF 2420 – Baking **3 cr**

Prereq: CHEF 1250, CHEF 1350 and Student must have valid ServeSafe certification or have passed CHEF 1110 w/C grade or better (can be taken concurrently). Coreq: CHEF 2460. An introduction to the principles and techniques used in the preparation of high-quality baked goods and pastries and evaluation of quality characteristics.

CHEF 2460 – Baking Lab **3 cr**

Prereq: CHEF 1250, CHEF 1350 and Student must have valid ServeSafe certification or have passed CHEF 1110 w/C grade or better (can be taken concurrently). Coreq: CHEF 2420. To apply the fundamentals of baking science to the preparation of a variety of products. To use and care for equipment normally found in the bakeshop or baking area. Activities are in a lab setting using hands-on experiences.

CHEF 2510 – Garde Manger **3 cr**
Prereq: Student must have valid ServeSafe certification, or have passed CHEF 1110 w/C grade or better, or concurrently. Coreq: CHEF 2560. Cold kitchen cookery is taught. An introduction to three main areas of the cold kitchen; reception foods, plated appetizers, and buffet arrangements.

CHEF 2520 – Nutrition **3 cr**
In this course, students learn about basic nutrients, food labeling, current issues in nutrition, and the application of nutritional principles to menu development.

CHEF 2560 – Garde Manger Lab **3 cr**
Prereq: Student must have valid ServeSafe certification, or have passed CHEF 1110 w/C grade or better (can be taken concurrently). Coreq: CHEF 2510. This is an applied, hands-on skill training of principles learned in the CHEF 2510 class.

CHEF 2610 – Menu Design **3 cr**
To apply the principles of menu planning and layout to the development of menus for a variety of types of facilities and service.

CHEF 2620 – Supervision and Training **3 cr**
To prepare for the transition from employee to supervisor. To evaluate styles of leadership and develop skills in human relations and personnel management.

CHEF 2680 – Catering Management **3 cr**
Prereq: Student must have valid ServeSafe certification, or have passed CHEF 1110 w/C grade or better (can be taken concurrently). This class introduces students to the world of catering. Students will study concepts of how to organize and operate a small to mid-size business. A grade of 2.8 or better applies towards 2, 000 hours needed for graduation.

CHEM 1010 – Intro to Chemistry (PS) **3 cr**
Survey of general chemistry: structure, composition, properties and chemical transformations. Course may be taught with a Service Learning component.

CHEM 1100 – Preparatory Chemistry **3 cr**
Introduction to basic concepts in chemistry. Emphasizes application of math principles, use of computers and other problem-solving methods. Preparation for CHEM 1210 series.

CHEM 1110 – Elementary Chemistry **4 cr**
Prereq: MATH 1010 or appropriate Accuplacer score (MATH 1020 for Nursing majors). Recommended coreq: CHEM 1115. Introductory course in general inorganic and organic chemistry of hydrocarbons of functional groups. For health science students and other non-chemistry majors.

CHEM 1115 – Elementary Chemistry Lab **1 cr**
Prereq: MATH 1010 or appropriate Accuplacer score (MATH 1020 for Nursing majors). Recommended coreq: CHEM 1110. Graded laboratory taken concurrently with CHEM 1110.

CHEM 1118 – Elementary Chemistry Problem Session **1 cr**
Problem session for CHEM 1110. Though not required, students are strongly encouraged to register for this session.

CHEM 1120 – Elementary Bioorganic Chemistry **4 cr**
Prereq: CHEM 1110. Recommended coreq: CHEM 1125. Introductory organic chemistry of heteroatom functional groups and introductory biochemistry. Primarily for health science students and other non-chemistry majors.

CHEM 1125 – Elementary Bioorganic Chemistry Lab **1 cr**
Prereq: CHEM 1110. Recommended coreq: CHEM 1120. Graded laboratory taken concurrently with CHEM 1120.

CHEM 1128 – Elementary Bioorganic Chemistry Problem Session **1 cr**
Problem session for CHEM 1120. Though not required, students are strongly encouraged to register for this session.

CHEM 1210 – General Chemistry I **4 cr**
Prereq: MATH 1050 w/C grade or better or appropriate Accuplacer score. Recommended coreq: CHEM 1215. Fundamentals of inorganic chemistry. Atomic structure chemical bonding, chemical reactions, solution chemistry, stoichiometry, periodic table, thermochemistry, kinetics, gases, and kinetic molecular theory will be covered.

CHEM 1215 – General Chemistry Lab I **1 cr**
Prereq: MATH 1050 w/C grade or better, or appropriate Accuplacer score. Recommended coreq: CHEM 1210. Graded laboratory taken concurrently with CHEM 1210.

CHEM 1218 – General Chemistry I Problem Session **1 cr**
Problem session for CHEM 1210. Though not required, students are strongly encouraged to register for this session.

CHEM 1220 – General Chemistry II **4 cr**
Prereq: CHEM 1210. Recommended coreq: CHEM 1225. Chemical kinetics, equilibria, acids and bases, entropy and free energy, precipitation reactions, electrochemistry, main group chemistry, nuclear chemistry, metallic bonding theories, hybridization, intro to organic chemistry

CHEM 1225 – General Chemistry Lab II **1 cr**
Prereq: CHEM 1210. Recommended coreq: CHEM 1220. Graded laboratory taken concurrently with CHEM 1220.

CHEM 1228 – General Chemistry II Problem Session **1 cr**
Problem session for CHEM 1220. Though not required, students are strongly encouraged to register for this session.

CHEM 2000 – Chemistry CO-OP **2 - 4 cr**
Prereq: Departmental approval. Cooperative education represents flexibility and alternative opportunities for students to complete portions of their educational goals through new learning associated with study-related internships or employment.

CHEM 2310 – Organic Chemistry I **4 cr**
Prereq: CHEM 1220 w/C grade or better. Recommended coreq: CHEM 2315. Introduction to concepts of organic chemistry. Structure, bonding, reaction mechanisms. Detailed study of alkanes, alkyl halides, alkenes, alkynes, aromatic compounds, alcohols. Intro to spectroscopy and stereochemistry

CHEM 2315 – Organic Chemistry Lab I **1 cr**
Prereq: CHEM 1220 w/C grade or better. Recommended coreq: CHEM 2310. Graded laboratory taken concurrently with CHEM 2310.

CHEM 2318 – Organic Chemistry I Problem Session **1 cr**
Problem session for CHEM 2310. Though not required, students are strongly encouraged to register for this session.

CHEM 2320 – Organic Chemistry II **4 cr**
Prereq: CHEM 2310 w/C grade or better. Recommended coreq: CHEM 2325. Conjugated and aromatic systems, organometallic compounds carbonyl compounds, carboxylic acids and derivatives, amines biological molecules. Mechanistic organic chemistry, functional group transformation and multistep synthesis

CHEM 2325 – Organic Chemistry Lab II **1 cr**
Prereq: CHEM 2310 w/C grade or better. Recommended coreq: CHEM 2320. Graded laboratory taken concurrently with CHEM 2320.

CHEM 2328 – Organic Chemistry II Problem Session **1 cr**
Problem session for CHEM 2320. Though not required, students are strongly encouraged to register for this session.

CHI 1010 – Beginning Chinese I **5 cr**
First in a series of four courses which focus on listening, speaking, reading, writing and culture. Major objective of the first year is to develop functional language ability in the Chinese culture. Lab attendance is required.

CHI 1020 – Beginning Chinese II (LN) **5 cr**
Prereq: CHI 1010 or instructor approval. Second in a series of four courses which focus on listening, speaking, reading, writing and culture. Major objective of the first year is to develop functional language ability in the Chinese culture. Lab attendance is required.

CHI 1300 – Beginning Conversation **1 cr**
Prereq: CHI 1010 or instructor approval. Course practices currently held conversation skills to increase speaking ability and vocabulary. Includes role-plays, small group work and presentations. Lab attendance may be required. May be repeated for credit.

CHI 1900 – Special Studies in Chinese **1 - 2 cr**
Prereq: Instructor approval. In the course in language and culture, students plan areas of study, Service Learning or travel and work with an instructor on an individual basis. Some work may be done in groups. Lab may be required. May be repeated for credit.

CHI 2010 – Intermediate Chinese I **4 cr**
Prereq: CHI 1020 or instructor approval. Third in a series of four courses which focus on listening, speaking, reading, writing and culture. Major objective of second year is to increase functional language ability. Emphasis is on proficiency. Lab attendance is required.

CHI 2020 – Intermediate Chinese II **4 cr**
Prereq: CHI 2010 or instructor approval. Second-year Chinese courses increase functional language ability focusing on listening, speaking, reading, writing as well as increased focus on culture (philosophies, history, geography, literature, etc) Lab attendance is required.

CHI 2300 – Conversation **1 cr**
Prereq: CHI 1020 or instructor approval. Course practices currently held conversation skills to increase speaking ability and vocabulary. Includes role-plays, small group activities and presentations. Lab attendance required. May be repeated for credit.

CHI 2700 – Introduction to Literature **3 cr**
Prereq: CHI 1020 or instructor approval. Second year courses focus on improvement of listening, speaking, reading, writing and culture skills. Major objective is to increase functional language ability through holistic approach to literature. Lab attendance required.

CHI 2710 – Introduction to Chinese Film **3 cr**
Prereq: CHI 1020 or instructor approval. Course will aid students in their study of language and culture. Films will be viewed with subtitles and written work and discussions will be in Chinese. Lab attendance required.

CHI 2900 – Special Topics in Chinese **1 - 3 cr**
This is a course designed by faculty which allows students to explore specific interests in Chinese language and culture. Lab attendance required. May be repeated for credit.

CIS 1013 – E-Portfolios & Operating Systems **1 cr**
Upon completion of this course, students will have prepared and set up their own e-portfolio. Students will also understand the basics of operating systems, file management and the computer desktop.

CIS 1015 – Word Processing Applications **1 cr**
Students will learn basic fundamentals of word processing. Students will learn to create and attach their documents to a e-portfolio.

CIS 1017 – Presentation Applications **1 cr**
Students will learn basics of presentation software. Students will learn how to create, format, and manage computerized slideshows, including using transitions, sound, graphics, charts, etc.

CIS 1019 – Spreadsheet Applications **2 cr**
In this course, students will use various features and use of current spreadsheet software. Students will learn syntax, use and application of spreadsheet features/tools through tutorial lessons and application exercise problems.

CIS 1020 – Computer Essentials (CL) **3 cr**
A hands-on introduction to problem solving using Computer Tools. Basic hardware and Office software products topics are discussed.

CIS 1029 – Spreadsheet Applications **2 cr**
In this course, students will use various features and use of current spreadsheet software. Students will learn syntax, use and application of spreadsheet features/tools through tutorial lessons and application exercise problems.

CIS 1030 – Object-Oriented Programming I **3 cr**
Recommended Coreq: CIS 1020. Introduces fundamental concepts of programming using an object-oriented language such as Java. No prior programming experience is necessary for successful course completion. Topics: syntax, control structures, arrays and algorithms.

CIS 1055 – Database Design and Processing **3 cr**
Prereq: CIS 1020. The course provides introduction and broad overview of concepts and basic skills in current database technologies to prepare students for further studies necessary for students to prepare further studies in database programming, application development and administration/management of database systems.

CIS 1070 – Living in a Digital World (ID) **3 cr**
This course explores 21st Century business tools needed to prepare learners using web based software with the latest digital media and technology in a real world context to share and communicate knowledge creating a social network.

CIS 1130 – Object-Oriented Programming II **3 cr**
Prereq: CIS 1030. Continuation of CIS 1030. Fundamental concepts of object-oriented design and programming in Java. Classes from the Java API and user-defined classes are used. Topics: GUIs, data collection and manipulation, complex algorithms.

CIS 1135 – Object-Oriented Analysis/Design **3 cr**
Prereq: CIS 1130 or concurrently. Provides practical experience designing the construction of object-oriented software. Topics include finding classes, identifying attributes and methods, UML, CRC cards, use case scenarios. Software tools will be used.

CIS 1430 – Internet & HTML Fundamentals (ID) **3 cr**
Prereq: CIS 1020 or challenge exam. Learn to use the Internet and create Websites. Topics include basic Internet applications and HTML, XHTML, CSS, XML, JavaScript and layout techniques. The Internet's social and legal impacts will be studied.

CIS 1520 – Operating Systems **3 cr**
Prereq: CIS 1020. Introduces the fundamental concepts of operating systems. Command-based and graphical OS's are examined. Concepts include: virtual memory, multitasking, security, hardware support, and files systems.

CIS 1555 – SQL Programming **3 cr**
Prereq: CIS 1055 or concurrently. The course provides students with a comprehensive understanding and hands-on experience in SQL, a database computer language designed for the retrieval and management of data in relational database management systems (RDBMS).

CIS 1900 – Special Projects/DPMA **1 cr**
Active participation in Professional Organization of CS and CIS is required. Students must attend and report on the regular meetings of the organization. User Groups and Prof organizations qualify which are approved by instructor.

CIS 2000 – CIS Co-op Education **1 - 4 cr**
Prereq: Sophomore standing, minimum 2.0 GPA and CIS major. The course provides a supervised work experience in a business, industrial or public sector related to the program major. Credits are awarded for successful completion of learning objectives approved by a faculty coordinator.

CIS 2010 – Business Computer Proficiency-Database **3 cr**
Prereq: CIS 1020 or challenge exam. Introduces students to use of microcomputer-based database management software as a business problem solution tool. Essential concepts and syntax of database and problem solving through software tutorials and assignments.

CIS 2150 – Computer Organization **3 cr**
Prereq: CIS 1030 and CIS 1130 (either can be taken concurrently). Explores physical and functional characteristics of computer hardware/software. Explores interface between components. Clarify relationship between hardware and software. Explores capabilities and limitations of specific hardware/software design.

CIS 2350 – UNIX/LINUX Administration **3 cr**
Prereq: CIS 1020 or challenge exam. Introduction to Unix Usage and Administration. Topics include fundamental commands, communications, networking and script writing. Includes survey of several versions including BSD, ATandT, Solaris, and Linux.

CIS 2410 – Advanced Spreadsheet Applications **3 cr**
Prereq: CIS 1020 or challenge exam. In-depth study of features and functions of current electronic spreadsheet software. Students will develop analysis and problem solving skills through working on extensive collection of business-oriented application problems.

CIS 2420 – Networking Fundamentals **3 cr**
Prereq: CIS 1430. This is a Computer Networking foundation course. Topics include the OSI model, common protocol suites, network standards, and network topologies. Course covers both PC and mainframe solutions such as NT Server, Novel and Unix.

CIS 2430 – Web Programming **3 cr**
Prereq: CIS 1430 and CIS 2420. Students learn to create E-Commerce solutions and Internet applications using XHTML, JavaScript, PHP, and MYSQL. Students will also be introduced to CGI and Java Applets.

CIS 2460 – Network Management **3 cr**
Prereq: CIS 1520. Network management using Novell Netware and Window NT Server. Topics include file system management, security, and interoperability in a typical multiplatform environment.

CIS 2470 – Advanced JavaScript and JSP **3 cr**
Prereq: CIS 2430 and CIS 1030. This course is a continuation of CIS 2430 and teaches students to program web-based applications using advanced JavaScript, and JSP.

CIS 2550 – Data Base Programming **3 cr**
Prereq: CIS 1030 and CIS 2010. Implementation of data base programming usage and concepts in creating a data base system.

CIS 2600 – Fundamentals of Database Management **3 cr**
Prereq: CIS 1030 or concurrently. Includes a study of hardware, standard and customized access methods, DBMS software, and database design methods. Emphasis is on the relations model using E-R and SOM. Additional topics are: Distributed DB, OODBMS, and Admin

CIS 2650 – ORACLE Database Development **3 cr**
Prereq: CIS 1550. Introduction to ORACLE Database Development. Topics included are: SQL/Plus, PL/SQL, ORACLE forms, ORACLE reports, and Designer Tools.

CIS 2730 – C++Programming w/Objects **3 cr**
Prereq: CIS 1135. C++ Programming and OO design are studied in this course. Topics include class design and definition, encapsulation, inheritance and polymorphism, file manipulation, dynamic memory, data abstraction, and object interactions.

CIS 2735 – Windows Application Programming **3 cr**
Prereq: CIS 2730. Advanced continuation of CIS 2730. Students will design/develop object-oriented systems in C++. MFC class libraries are studied and used. Database interaction, doc/view architecture, and other topics may be studied and implemented.

CIS 2760 – Java I **3 cr**
Prereq: CIS 1135 or concurrently. Provides the student with the required knowledge and skills to build business object-oriented programs using Java. Students will learn the Java syntax and all necessary object-oriented concepts for the creation of meaningful business projects.

CIS 2770 – Java II **3 cr**
Prereq: CIS 2760. Provides student with the required knowledge and skills to build advanced business object-oriented programs using Java. Students learn Java APIs, design and program large-scale programs using various design patterns in the software development life cycle.

CIS 2800 – Business Systems Design **3 cr**
Prereq: CIS 2600 and CIS 2760 or CIS 2730. Learn techniques of analyzing, designing, and implementing bus systems. Includes system management, prelim. investigation, detailed investigation, specifications, output and input, documentation, object oriented analysis and design tools.

CIS 2810 – E-Commerce Systems Design/Implementation 3 cr
Prereq: CIS 2650 and CIS 2750. Students will learn the techniques of E-Commerce implementation. The course includes developing an E-Commerce project proposal, managing the project, project reporting, and project implementation, including electronic publishing/presentation

CIS 2990 – Current Topics in CIS 1 - 3 cr
Course content varies and is a forum where students are introduced to current and emerging technology. Credit hours vary from 1 to 3 semester hours.

CJ 1010 – Introduction to Criminal Justice (SS,DV) 3 cr
Exposes students to theories, concepts, and methods used to facilitate understanding, predicting and responding to issues of deviance and crime in America. Also includes development and evolution of components of American Criminal Justice System, including the history of racial, ethnic and gender discrimination on charging, conviction, incarceration and employment.

CJ 1300 – Introduction to Corrections 3 cr
Prereq: CJ 1010 or instructor approval. This course examines the history, function and administration of corrections in our criminal justice system.

CJ 1330 – Criminal Law 3 cr
Prereq: CJ 1010. This course examines crimes, defenses, and the historical origins and functions of criminal law in our society. Topics include sources of substantive law, classification of crimes parties to crime, and related topics.

CJ 1340 – Criminal Investigations 3 cr
Prereq: CJ 1010. Duties of officers in investigation of crimes. Included are investigative techniques in preliminary and follow-up investigation: reports, interviewing, interrogation, obtaining information, locating and arresting suspects, prep. for trial.

CJ 1350 – Introduction to Forensic Science 3 cr
Recommended Prereq: CJ 1340. This covers the importance of locating, collection and preservation of physical evidence at crime scenes. Included are crime laboratory techniques and services in examination of evidence.

CJ 1360 – Introduction to Homeland Security 3 cr
Prereq: CJ 1010. Addresses the national strategy for homeland security in the U. S. , the various agencies and bureaucracies that make up the infrastructure of homeland security and the role of local law enforcement and first-responders in homeland security.

CJ 1370 – Introduction Homeland Security TSA **3 cr**
This course will address the national strategy for Homeland Security in the United States tailored for the Transportation Security Administration (TSA).

CJ 1380 – TSA-Intelligence Analysis **3 cr**
Study of the history of intelligence gathering and analysis; relationships between intelligence officers and policy makers; dangers of intelligence politicization; and successes and failures of intelligence activities.

CJ 1390 – TSA-Transportation & Border Security **3 cr**
Dangers from domestic and international terrorism to air, rail, maritime and ground transportation in the United States. Border security of the United States from international drug trafficking and terrorist operations.

CJ 1900 – Special Studies **1 - 24 cr**
This course covers independent study in criminal justice. Students can earn 2-4 elective credits for this class. CJ elective credit may also be earned for POST, EMT, or other training courses offered at SLCC Institute of Public Safety.

CJ 1910 – Special Function/Reserve Office **12 cr**
Module I (13 weeks). Must be 21 years old to be admitted to the academy. Eligible for airport or campus security, corrections, and constable service.

CJ 1920 – Peace Officer Basic **12 cr**
Prereq: CJ 1910. Module II (20 weeks). Prepares participants for Law Enforcement Certification.

CJ 2000 – Criminal Justice Co-op **2 - 4 cr**
Prereq: CJ 1010, CJ 1330, CJ 1340, CJ 1350 and CJ 2350. This course provides for supervised work experience in a public or private agency related to criminal justice. Must complete specific learning objectives related to their program major and employment.

CJ 2020 – Criminal Justice Supervision **3 cr**
Prereq: CJ 1010. Designed for first line supervisors in criminal justice agencies. Topics covered include work environment, diversity, motivation, discipline, evaluation, planning and leadership. Supervisory report writing is an integral part.

CJ 2060 – Community Corrections **3 cr**
Prereq: CJ 1010. Examines the types of sentences utilized as alternatives to incarceration. Included are probation, parole, substance abuse and other treatment programs, half-way houses, house arrest, electronic monitoring, community service, etc.

CJ 2110 – Introduction to Security **3 cr**
Prereq: CJ 1010. Studies security in the private sector. Covered are personnel investigations, physical security, investigative techniques, security awareness, risk management and internal and external theft and fraud.

CJ 2260 – Contemporary Prison/Jail Issues **3 cr**
Prereq: CJ 1010. Focuses on the various problems encountered in prisons and jails. Topic areas include officer morale and conduct, inmate culture, cultural diversity, custody and control, discipline, treatment, inmate deprivations and violence.

CJ 2330 – Juvenile Justice **3 cr**
Prereq: CJ 1010. Examines juvenile crime, trial and sentencing, trying of juveniles as adults. Laws regarding child abuse, foster care, termination of parental rights, child custody, adoption and the evolving nature of juvenile law.

CJ 2350 – Laws of Evidence **3 cr**
Prereq: CJ 1010 and CJ 1330. This course covers principles and law regarding evidence in criminal cases. Special attention will be placed on the Constitutional limitations on arrest, search and seizure, and impact of the exclusionary rule on law enforcement techniques and practices.

CJ 2390 – Traffic Law/Related Services **3 cr**
Prereq: CJ 1010. Course covers the role of law enforcement in traffic safety, traffic law, accident investigation, auto-related crime investigation and other highway related problems.

CJ 2410 – Introduction to Victimology **3 cr**
Prereq: CJ 1010. This course examines the science of Victimology.

CJ 2420 – Anatomy of Homicide Investigation **3 cr**
Prereq: CJ 1010. This course follows investigative methods utilized in homicide cases.

CJ 2440 – Organized Crime **3 cr**
Prereq: CJ 1010. This course examines roots, causes, and operations of organized crime in the United States and around the world from the late 1800s at the beginning of the Mafia to modern gangs and organized criminal elements.

CJ 2450 – Terrorism **3 cr**
Prereq: CJ 1010. This course examines the history and development of terrorism in modern society and the destructive methods that terrorists use to accomplish their goals. Also included is a section on bio-terrorism.

CJ 2460 – Psychological Profiling **3 cr**
Prereq: CJ 1010. This course examines the technique of criminal investigation analysis and psychological profiling.

CJ 2470 – Introduction to Criminology **3 cr**
Prereq: CJ 1010. This course covers various theories in the study of criminology and criminal behavior.

CJ 2480 – Crime Scene Processing **3 cr**
Prereq: CJ 1010. This course covers the duties and responsibilities of the crime scene technician at the scene of the crime. Includes instruction on the proper collection, handling, and securing of evidence.

CJ 2490 – Drug Trafficking **3 cr**
Prereq: CJ 1010. This course examines the government's efforts in the war on drugs.

CJ 2500 – Contemporary Violence **3 cr**
Prereq: CJ 1010. This course examines violence in our society. Topics covered will be serial killing, mass murder, spree killing, etc.

CJ 2510 – Psychology of Criminal Behavior **3 cr**
Prereq: CJ 1010. This course examines the psychological aspects of criminal behavior.

CJ 2530 – Police Patrol Techniques **3 cr**
Prereq: CJ 1010. This course covers the history, dynamics, and principles of police patrol operations and techniques. Special emphasis will be on Directed Patrol, Service-Oriented Policing, and cutting-edge approaches to front-line street policing.

CJ 2540 – Careers in Law Enforcement **3 cr**
Prereq: CJ 1010. This course provides an insight into the workings and hiring practices of various law enforcement agencies such as ATF, DEA, FBI, and local, county, and state police agencies. Also available is access to law enforcement guest lectures.

CJ 2550 – Emergency Management Principles **3 cr**
This course helps students understand the Emergency Management System which includes awareness of the four phases of emergency management, emergency planning, and exercising emergency plans.

CJ 2560 – Law Enforcement Documentation **3 cr**
Prereq: CJ 1010. This course covers specialized communications in Law Enforcement from initial report to courtroom testimony.

CJ 2920 – Special Topics in CJ **3 cr**
The specific titles of courses and credit hours will appear in the class schedule. The courses offered under this category are utilized to offer the student educational opportunities in current criminal justice/law enforcement issues.

CMA 1110 – Cement Mason 1A **5 cr**
Prereq: APPR 1470 or appropriate Accuplacer score. This course covers the use and characteristics of concrete, materials used, safe use and practices with tools and equipment. Course also covers sub grade preparation and form work.

CMA 1120 – Cement Mason 1B **5 cr**
Prereq: CMA 1110. Placement of concrete, finishes including interior, exterior and highway finishes. Curing protection of additives for concrete with tests on strength, slump, and air entrainment.

CMA 1210 – Cement Mason 2A **5 cr**
Prereq: CMA 1120. Blue Print reading and estimating of material and labor needed. Practical training in design and layout and continued hands-on with placement and finishes.

CMA 1220 – Cement Mason IIB **5 cr**
Prereq: CMA 1210. Level II blueprint reading and estimating with additional curing and additive methods and uses. Surface treatment of concrete and uses of each. Hands-on practical for all phases of concrete construction.

CMA 2310 – Cement Mason IIIA **5 cr**
Prereq: CMA 1220. Use and care of tools and equipment including safe operation and handling. Concrete testing and meaning of strength and slump test results as well as air entrainment.

CMA 2320 – Cement Mason IIIB **5 cr**
Prereq: CMA 2310. Placement of concrete finishes used and purposes, and decorative and specialty finishes. Safety in the work place and requirements of safety when working with concrete.

CMGT 1010 – Residential Construction Materials & Methods **3 cr**
This course will provide students with knowledge of residential building techniques and materials. The course will examine common construction materials, components, and systems related to wood frame structures, utilizing sustainable building practices. The residential construction process will be analyzed from site planning to finish construction.

CMGT 1030 – Introduction to Construction & Safety **2 cr**

This course examines the history of the U.S. construction industry with focus on the social, cultural, and economic trends. Students will interpret and apply OSHA and other state and federal regulations. Topics include power tools, hazardous waste, fall arrest, maintaining a clean environment, and can lead to certifications in OSHA 10, First Aid, CPR, Skid Steer and Fork Lift safety.

CMGT 1045 – Building Construction I **4 cr**

Students will learn the concepts of footings, foundations & flatwork. Green build & traditional techniques of structural framing will be taught. Students will layout and construct floors, exterior & interior walls, doors & windows. Sophisticated methods used to maintain a tight building envelope will be used. Stair & roof construction will be introduced. Course is taught 1st half of semester.

CMGT 1100 – Construction Math (QS) **3 cr**

Mathematical operations and their practical application will be used to solve typical construction layout problems such as stairways, rafters, handrails, windows, doors, etc. Percents, decimals, fractions, powers and triangle trigonometry will be used to calculate area, volume, spacing, and size. Students will be given opportunity to layout mathematical solutions with hands on experience.

CMGT 1110 – Birth of a Flute (FA) **3 cr**

Students will use wood as an artistic medium to create a professional Native American style flute. This course introduces students to flute origins, history, design, symbolism, music and its relevance to Native American culture.

CMGT 1145 – Interior Finishes I **4 cr**

This course covers materials and selection that support the responsible use of natural resources. Subjects include hanging doors, installing base, casing, stair treads, skirts & closet organizers. Installation of hardwood floors, handrails and stair caps will be taught. Students will also be introduced to the basics of installing tile floors and shower walls. Course is taught 1st half of semester.

CMGT 1150 – Construction Print Reading & Graphics **3 cr**

A study of print reading as it pertains to today's high tech industry. This course includes the study of architectural symbols & terms, relationship of views, sections, electrical & mechanical systems and diagrams. Residential and commercial plans will be examined. The use of electronic files in print reading such as PDF & DWG files will be discussed.

CMGT 1200 – Personal Projects **2 cr**

This course will allow students to plan a special project of their own design. Through consultation with the instructor, design approval and class schedule can be determined. Students are required to follow all safety rules and procedures. Students are encouraged to plan projects that utilize engineered and sustainable lumber products.

CMGT 1225 – Woodworking & Millwork I **4 cr**

This course explores the basic principles of woodworking. Safety will be discussed in depth. Topics include the theory & hands-on application of joinery, design, cut-lists, stock preparation & assembly. An assigned skill building project utilizing techniques such as frame & panel construction. Includes an introduction to use wood veneers as a sustainable practice. Typical project cost: $100

CMGT 1245 – Cabinetmaking & Renewable Materials I **4 cr**

This course explores the basics of kitchen design and cabinet construction. Includes the materials & methods that promote the responsible and sustainable use of renewable resources. Theory & hands-on instruction are designed to take students step by step through the cabinetmaking process. Safety will be discussed in depth. This course is taught in the 1st half of a semester.

CMGT 2000 – Building Construction CO-OP **3 - 5 cr**

This is a supervised work experience in business, industrial or government environment related to the program major. Credit is awarded for completion of specific objectives that provide new learning experiences related to the major.

CMGT 2045 – Building Construction II **4 cr**

Students will learn advanced techniques of framing in depth, including the details of stair and roof construction. Factors such as insulation, ductwork & vent chases will be considered to minimize heat loss. Exterior decks, railings, doors & windows will be installed. Weatherization techniques will be taught. A continuation of CMGT 1045. Course is taught 2nd half of semester.

CMGT 2050 – Concrete Theory **3 cr**

The theory of concrete, its physical and mechanical properties, design and control of concrete mixtures. Current trends, uses and procedures along with special Portland cements, admixtures and chemical reactions, flexure, shear, compression, strength and tests will be evaluated. Students will receive instruction relative to ACI certification.

CMGT 2120 – Furniture Design & Construction I **3 cr**

This course includes the construction of an assigned skill building project that utilizes a variety of joinery relative to case construction. Safety will be discussed in depth. Includes topics such as; sustainability in lumber selection, proper procedures, layout and design, hardware selection and glazing. Traditional wood finishes will be discussed. Typical project cost: $60.

CMGT 2145 – Interior Finishes II **4 cr**

Subjects include the technical aspects of layout and installation of floor tile, bathroom shower & tub enclosures, built-in bookcases and fireplace mantles. Students should gain an in depth understanding of the materials that are used to promote sustainable construction. A continuation of CMGT 1145. Course is taught 2nd half of semester.

CMGT 2200 – Computer Applications for Construction 3 cr
Various computer applications used in construction field will be examined in areas of construction office management, bookkeeping & payroll. Includes requirements for starting a business and obtaining a license with a specific examination into the business and law portion of contractor licensure.

CMGT 2210 – Sustainable Project Management 3 cr
A study of the materials, methods, planning, scheduling, critical path management and energy & waste management for commercial construction projects. Includes instruction on the practical portion of contractor licensure exam. Subjects such as site-work, concrete, masonry, metals, codes, specifications will be discussed.

CMGT 2235 – Cabinetmaking & Renewable Materials II 4 cr
Students continue to explore the principles of kitchen design utilizing a variety of cabinet design software packages. Course covers the various cabinet construction methods that promote the responsible and sustainable use of renewable resources. Also covers cabinet installation techniques. Course is offered during the 2nd half of a semester as a continuation of CMGT 1245.

CMGT 2240 – Construction Estimating 2 cr
An introduction to material take-offs, labor cost estimate, equipment cost, price extensions and competitive bidding. Various building systems will be discussed and evaluated. Formulas will be input into software such as Microsoft Excel to provide students with an experience in computerized estimating & takeoffs.

CMGT 2310 – Construction Writing 3 cr
This course covers the study of and practice in construction writing. Includes: basic word processing, daily logs, bid proposals, letters, policies, and procedures.

CMGT 2435 – Woodworking & Millwork II 4 cr
Students will draw upon their knowledge and skills to design and build a project utilizing a variety of woodworking joinery. Consultation with the instructor and theory instruction will ensure that the project will foster skill improvement. An inclusion of sustainable practices in woodworking will be required. Project cost will vary depending upon student's design.

CMGT 2450 – Furniture Design & Construction II 3 cr
This course builds upon previous joinery knowledge to construct an assigned skill building project that includes advanced features such as curved components & bent laminations. Conservation of resources will be emphasized as advanced veneering techniques & hand tool use are taught. Typical project cost: $100.

CMGT 2470 – Building Codes & Inspections **3 cr**
This course is the study of current building codes & an overview of zoning regulations. This course will help with inspections for code enforcement & compliance, occupancy classifications, area limitation & life-safety regulations. Specific attention will be given to energy management code restrictions.

CMGT 2610 – Building Energy Systems **2 cr**
An introduction to energy systems for residential and light commercial construction. Systems include electrical, plumbing, heating, ventilation, air conditioning, air distribution, lighting, solar and alternative energy systems and the application and effect on the building envelope and air quality.

CMGT 2650 – Green Building Standards **2 cr**
This course examines and evaluates the current green building standards. Standards include: LEED - U. S. Green Build Council; Energy Star - U. S. Environmental Protection Agency and the Department of Energy; ICC 700 - National Home Builders Association. This course provides initial training for industry certifications.

CMGT 2710 – Computer Applications for Cabinetmaking **3 cr**
An introduction to software common to the cabinetmaking & woodworking industry such as Cabinet Vision, ArtCAM & others. Programs that can be output to a CNC router will be created. Nested based operations as well as individual part processing will be addressed. Macros & x/y/z axis will be taught.

CMGT 2720 – Nested Based CNC Operating **3 cr**
An introduction to the basic skills needed to operate a CNC woodworking machine. The difference between nested based machines and other types of CNC machines will be discussed. Tooling, maintenance, machine software operation & proper load/unloading are a few of the class topics. Programs written in CMGT 2710 will be used.

CMGT 2990 – Special Studies **1 - 20 cr**
This course is designed to cover special topics in building construction. This will be developed upon instructor approval. in conjunction with the student.

CMI 1110 – Cement Mason Independent 1A **5 cr**
Prereq: APPR w/C grade or better or appropriate Accuplacer score. This course is an introductory course to concrete finishing. Students will gain a basic knowledge of the construction craft and an introductory understanding of properties of concrete.

CMI 1120 – Cement Mason Independent 1B **5 cr**
Prereq: CMI 1110. This course will provide students with knowledge and skills concerning proper grade preparation as well as requirements and methods of placement, finishing, protecting and curing of concrete.

CMI 1210 – Cement Mason Independent 2A **5 cr**
Prereq: CMI 1120. Students will gain an in-depth understanding of concrete properties and the knowledge base to estimate concrete quantities. Various forming requirements for site concrete and architectural finishes will also be covered.

CMI 1220 – Cement Mason Independent 2B **5 cr**
Prereq: CMI 1210. This course provides students with an in-depth understanding of the application of concrete in industrial and superflat floors. Advanced study in surface treatments, quality control issues and repairs are also covered.

COMM 1010 – Elements of Effective Communication (CM, IN) **3 cr**
Communication principles and practice applied in dyadic, group, written, electronic, and oral presentation assignments. Listening, perception, verbal clarity, nonverbal, diversity, conflict management and interviewing in workplace and interpersonal settings.

COMM 1020 – Principles or Public Speaking (CM, IN) **3 cr**
Preparing and delivering speeches for civic and professional occasions. Basic theory and skills practice, including audience analysis, anxiety mgt, critical listening, supporting claims with evidence, persuasion, motivation, delivery.

COMM 1050 – Elements of Human Communication (HU) **3 cr**
Survey of the basic issues, theories, and perspectives in the study of human communication, through critical analysis of oral, written and audio-visual texts.

COMM 1080 – Conflict Management & Diversity (SS,DV) **3 cr**
Analyzes conflict communication from the perspectives of marginalized and empowered populations. Explores ethnocentrism, power, anger, inequality, disrespect. Students learn conflict management skills for workplace, community and personal life.

COMM 1120 – Principles of Interviewing **3 cr**
Interviewing methods with emphasis on interview design and questioning techniques in business, professional, and journalistic environments.

COMM 1130 – Reporting for the Mass Media **4 cr**
Organization and written presentation of facts to a mass audience, with emphasis on reporting and writing news. Development of information-gathering skills for presentation through mass media.

COMM 1140 – Environmental Communication **3 cr**
Covers the organization and delivery of facts to a mass audience; specifically communicating about issues related to sustainability. Course offers hands-on experience in both traditional media and new communication technologies.

COMM 1250 – Introduction Performance Studies **3 cr**
Investigates Performance Studies from multiple perspectives, including communication and anthropology; explores performance and performativity; integrates theory and practice, to include TV and radio experience.

COMM 1270 – Analysis of Argument (IN) **3 cr**
Introduction to the study of argumentation--reasoning, issues, audience analysis--in decision-making contexts.

COMM 1300 – Money & Creative Professionals **1 cr**
Basic financial information for creative professionals or students interested in freelance work or setting up a studio. This course is useful for artists working in the areas of fine art, the many forms of design, photography, film/video, music, advertising, the performing arts and creative or technical writing.

COMM 1400 – Copyrights For Creative Professionals **1 cr**
This introductory short course focuses on U. S. copyrights given to creative individuals who produce visual, musical, literary works of art or performing arts. The course also covers licensing and trademarking.

COMM 1420 – Sales Promo For Creative Professionals **2 cr**
This introductory short course will introduce basic sales and self-promotional principles and techniques specifically tailored for creative artists.

COMM 1440 – Build Creative Business **2 cr**
This introductory short course will introduce basic business structures and examine the process of setting up a business for creative professionals working in the areas of music, the many forms of visual design, fine art, animation, film and video, and the literary arts.

COMM 1500 – Introduction to Mass Communication (ID) **3 cr**
Introductory survey of field of mass communication. Preview of function, performance, and structure of individual mass media and the relationships between media audiences and media and government.

COMM 1515 – Basic Audio Production **3 cr**
A broad overview of sound, sound systems, recording, and live sound reinforcement providing basic training in the physics of sound and the hardware and systems used to control and record it. No prerequisites.

COMM 1560 – Radio Production **3 cr**
Prereq: COMM/FLM/MUSC/THEA 1515 or all concurrently. Course provides instruction and experience in the production of audio programs for radio, including the history, career opportunities, issues and techniques of radio and announcing; includes participation at student radio station.

COMM 1610 – Journalism I Reporting/Writing **3 cr**
Prereq: ENGL 1010. This is a basic survey course in journalism, emphasizing fact finding and news writing, including investigative reporting on specific beats. Class members contribute to the student newspaper and/or to other student news media.

COMM 1620 – Journalism II - Editing **3 cr**
Prereq: COMM 1610 or 1130. Students study in-depth reporting, focusing on the rules of correct news writing, copyediting, and editorial writing and reporting on a deadline. Members of the class contribute to the Globe Student Media.

COMM 1630 – Journalism III - Layout/Design **3 cr**
Prereq: ART/COMM/EBT/ENGL/FLM 1800. Students study advanced news delivery and overall layout and design of a newspaper, magazine, and online media, using contemporary tools for those tasks. Member of the class contribute to the Globe Student Media.

COMM 1800 – Digital Media Essentials **4 cr**
Intro to software and hardware used to create multimedia productions. Hands-on experience using hardware, software to create 2D/3D graphics, sound, animation, and video. Discussion of the multimedia market, copyright, and ethics in mass media.

COMM 1820 – Media Content Management **3 cr**
Prereq: ART/COMM/EBT/ENGL/FLM 1800 or all concurrently. An introduction to content management systems that include digital and media assets to improve efficiency and lower costs. Types include Internet/web, television/IPTV, radio/podcasts, cell/mobile and print delivery are covered.

COMM 1850 – Portfolio/Career Preparation **2 cr**
Prereq: Satisfactory completion of a minimum of two 2000 level courses in Visual Art and Design, Communication, and/or Fine Arts departments An introductory course focused on portfolio and freelance career preparation for all creative artists.

COMM 1900 – Special Studies/ Communication **1 - 3 cr**
Prereq: Department approval. Students plan areas of study and work with an instructor on individual basis.

COMM 2000 – Communication CO-OP/Internship **1 - 6 cr**
Prereq: Department approval. Supervised work experience in a business, industrial, or government environment related to the student's COMM program sequence. Credit awarded for successful completion of specified learning objectives that provide new learning.

COMM 2020 – Persuasion Practices **3 cr**
Study and practice of principles of persuasion in public speaking and other forms of communication.

COMM 2110 – Interpersonal Communication (ID, HR) 3 cr
Development of listening skills, situational analysis and participation in various interpersonal contexts through focus on the elements and processes which contribute formation, maintenance and termination of relationships.

COMM 2120 – Small Group Communication 3 cr
Introduces elements of the small group process, focusing on problem-solving and decision-making techniques. Development of students' skills of participation and analysis in decision-making.

COMM 2150 – Intercultural Communication (ID, DV) 3 cr
Examination of how cultural similarities and differences impede or enhance communication across cultures. Issues of diversity, values, norms among different cultures, as well as issues of cultural diversity, values and norms.

COMM 2170 – Organizational Communication 3 cr
Overview of historical and contemporary perspectives of organizational communication; analysis of current issues and practices of organizational communication; development of communication competence in organizational settings. Internet only.

COMM 2200 – Beginning Video Production 4 cr
Recommended prereq: ART/COMM/EBT/ENGL/FLM 1800. Development of basic audio and video production skills for television and online distribution, using individual and group assignments through traditional lecture, hands-on training, field and studio production environments.

COMM 2300 – Introduction Public Relations 3 cr
Survey of tools, principles, practices and publics of public relations profession. Includes lab component where students are expected to produce public relations documents under a time deadline.

COMM 2310 – Intermediate Video Production - News 4 cr
Prereq: COMM 2200 or instructor approval and COMM 1130 recommended. Provides production experience for students with television or video production background. Students work independently on weekly news packages and together to produce a live weekly news program -Globe Student News.

COMM 2400 – Web 2.0 Tools and Strategies 3 cr
An introduction to Web 2.0 components such as social network sites, blogs and RSS feeds, wikis, collaboration and virtual teams, media sites, and forums as well as how organizations successfully use these tools for communication.

COMM 2440 – Web Site Design **3 cr**
Prereq: ART/COMM/EBT/ENGL/FLM 1800. Students learn the knowledge and skills needed to build and manage professional web sites using Dreamweaver and Fireworks. Students create interactive web sites, graphics, animation, and advanced styling using HTML, CSS, and JavaScript.

COMM 2500 – Elements/Issues-Digital Media(ID) **4 cr**
An introduction to digital media, including an understanding of the history, trends, devices, services, practices, and societal issues associated with the rise and use of communication technologies.

COMM 2510 – Advanced Video Production - Documentary **4 cr**
Prereq: COMM 2200 or FLM 1055. Provides advanced video production experiences for students who already have significant video production experience. Students work alone to produce short format documentary films and in groups to produce long format film projects.

COMM 2525 – Web Site Promotion **4 cr**
Prereq: COMM/ART 2440. Students develop a website promotion campaign which includes search engine optimization, pay-per-click advertising, linking campaigns, email marketing, online publicity, and affiliate strategies to develop a business web strategy.

COMM 2550 – Website Design II **3 cr**
Prereq: COMM 2440 /ART 2440 w/C grade or better. Continuation of web design principles to create advanced Website designs by integrating animation, video, and audio along with CSS, and JavaScript libraries. Emphasis is placed on interface design principles and concepts.

COMM 2560 – Advanced Radio Performance **3 cr**
Prereq: COMM 1560 or equivalent. Advanced instruction and experience in the production of audio programs for radio, including history, career opportunities, issues, techniques of radio and on-air announcing, involving commercial, news and sports on the student radio station.

COMM 2570 – Introduction to Visual Communication (FA) **4 cr**
Explores Visual communication principles and practices essential to all media. Memorable visual messages have the greatest power to inform, educate, and persuade. Discover why some images are remembered while some are not.

COMM 2580 – Web Animation **3 cr**
An introductory course focused on using design software to create effective web page animation. Cross listed with ART 2580.

COMM 2590 – Advertising Media & Sales **3 cr**
The course focuses on advertising media planning and media sales, including people and project management. Students learn media formulas and terminology, and work to create media plans and make successful media buys.

COMM 2660 – Visual Effects & Compositing **3 cr**
Prereq: ART 2640. Overview of the processes used to create and composite 2D and 3D special effects using procedural workflows and various software tools to achieve efficient and flexible results.

COMM 2900 – Special Projects **3 cr**
Students design and produce a significant capstone video or audio production project, incorporating elements related to their specific interests/specialties and demonstrating a mastery of related competencies and skills. Exam and presentation.

COMM 2920 – Current Topics-Communication **1 - 2 cr**
Prereq: Department approval. This course examines selected topics not offered in the regular curriculum. Prerequisites may vary and are dependent upon course content. Consult current class schedule for offering and credits under this course number.

COMM 2990 – Second Year Project **4 cr**
Prereq: COMM 1560 or COMM 2200. Students design and produce a capstone video or audio production project, incorporating elements related to their specific interests/specialties. Students demonstrate mastery of related production competencies and skills.

CPA 1110 – Carpentry - Computer Skills **5 cr**
Prereq: MATH 0920 or 0950 or appropriate Accuplacer score or CPA 1470. Applied instruction in carpentry techniques. Tool use and safety, maintenance, sharpening, load rigging and hand signals. First Aid, CPR and OSHA 10-hour safety class. Basic mathematics, fractions, decimals, and conversions.

CPA 1120 – Carpentry - Concrete Forming **5 cr**
Prereq: CPA 1110. Course provides training in proper methods used in concrete forming including footings, walls, columns, piers, slabs and suspended structures. Mathematics used in class includes measurements, volumes and areas.

CPA 1210 – Carpentry - Wood Framing **5 cr**
Prereq: CPA 1120. Applied instruction in wood framing, residential and commercial. Building layout, floor and wall framing, trusses, overhangs, canopies and stair design.

CPA 1220 – Carpentry - Finish, Interior **5 cr**
Prereq: CPA 1210. Application of siding and exterior trim installation, door and hardware, paneling, trim and moldings. Fabrication and installation of cabinetry and counter tops.

CPA 1470 – Math for the Trades (QS) **5 cr**
A customized carpentry course in applied mathematics for the trades including algebraic and trigonometric functions.

CPA 2000 – Carpentry CO-OP **3 - 6 cr**
Prereq: Instructor approval. Permits students to gain college credit for the hours spent on the job. Advanced registration and agreement signed by employer, employee/student and the College.

CPA 2310 – Carpentry - Interior Systems **5 cr**
Hands-on application and techniques for installation of metal stud and drywall systems, perfa-taping, suspended ceilings, black iron ceilings, moveable partitions and computer floor installation.

CPA 2320 – Carpentry - Welding **5 cr**
Prereq: CPA 2310. This course offers applied instruction in basic welding principles and safety including acetylene burning, cutting and welding. Instruction also includes shielded metal arc-flat, vertical, overhead positions and light gage metal welding.

CPA 2410 – Carpentry - Blueprint Reading **5 cr**
Prereq: CPA 2310. Basics in drafting and scaling techniques, numbering systems, elevations, symbols and abbreviations, detail drawing and viewing skills. Introduction to CAD programs and math reviewed.

CPA 2420 – Carpentry Completion **5 cr**
Prereq: CPA 2410. Advanced application of transits and leveling instruments. Scheduling and estimating costs, MSDS sheets, concrete testing, leadership skills and computer usage.

CPE 2700 – Fundamentals of Digital System Design **4 cr**
Prereq: CS 1600 and PHYS 2200. An introduction to digital systems, Boolean algebra, theory of combinatorial circuits, sequential circuits and finite state machines. Computer aided design (CAD) tools used for schematic capture, simulate, implement and test the circuits.

CPE 2720 – Computer Design **2 cr**
Prereq: EE 2700 or CPE 2700 (either can be taken concurrently). A design lab providing hands-on experience in designing and testing small computer and logic based electronic systems using Computer Aided Design (CAD) tools and FPGA system board.

CPI 1110 – Carpenter IA **5 cr**
Prereq: CPI 1470 or Math 0920 or 0950 w/C grade or better, or appropriate Accuplacer score. This course teaches beginning construction principles including: tool safety, math, basic blueprint information plan layout, OSHA site safety and P. P. E. , and First Aid/CPR certifications.

CPI 1120 – Carpenter IB **5 cr**
Prereq: CPI 1110. This course teaches basic concrete principles including: math, tools, basic mixes, basic layout, forming, and finishing.

CPI 1210 – Carpenter IIA **5 cr**
Prereq: CPI 1120. This course teaches basic framing principles including: math, tools, layout from blueprints, floors, walls, roofs, insulation and ventilation.

CPI 1220 – Carpenter IIB **5 cr**
Prereq: CPI 1210. This course teaches basic finish carpentry including: exterior finishes, roofing, window and door openings, stairs, basic cabinetry and counter tops.

CPI 1470 – Math for the Trades (QS) **5 cr**
This is a customized course in applied mathematics for the trades including algebraic and trigonometric functions.

CPI 2000 – Carpentry CO-OP **2 - 4 cr**
College credit for experience on the job site. Arranged in advance. Requirements are determined by the employer.

CPI 2310 – Carpentry IIIA **5 cr**
Prereq: CPI 1220. Advanced concrete principles including: commercial blueprints, rigging and lifting, raft and metal slabs, shoring and scaffolding, stairs, chemistry and concrete testing, additives, and advanced estimating.

CPI 2320 – Carpenter IIIB **5 cr**
Prereq: CPI 2310. This course teaches advanced framing principles including: scaffold safety for metal stud and drywall work, metal stud framing and layout, installing metal jams and hanging doors fire walls and metal roof decks.

CPI 2410 – Carpenter IVA **5 cr**
Prereq: CPI 2320. This course teaches advanced finish carpentry including: equipment setup, jigs and templates, gluing and clamping techniques, advanced cabinetry, installing locksets, remodeling, restoration and refinishing.

CPI 2420 – Carpentry IVB **5 cr**
Prereq: CPI 2410. This course teaches construction and administrative skills. Computer Assisted Drafting (CAD), building codes, advanced layout, bidding and estimating, material purchasing, and commercial blueprints will be learned.

CPS 1000 – Creative Problem Solving-Personal **3 cr**
Solving problems is inherent to the human experience. When the right solution to a problem isn't clear, the skills of creative problem solving help you to correctly identify the problem, provide alternative ways to generate abundant ideas, and execute on a plan for success. Learn the steps and associated tools that have been proven to work for problems of all types, sizes and levels of complexity

CPS 1010 – Creative Problem Solving - Team **3 cr**
Teams operate best when ideas are allowed to flourish. When the right solution to a problems isn't clear, the skills of creative problem solving help teams to correctly identify the problem, provide alternative ways to generate abundant ideas, and execute on a plan for success. Learn the steps and associated tools that have been proven to work for problems of all types and sizes.

CS 1030 – Connected Computing **3 cr**
Understand the world of computing that surrounds you: technology's impact on society, hardware, SOHO networking, threats, Google as a verb, ethics/policy, file management, standards, basic HTML, disaster recovery and remote computing.

CS 1031 – Open Source Windows Desktop **2 cr**
Prereq: CS 1030 or concurrently. Microsoft Windows as a primary operating system: installation, drivers, file/process management, settings, security, remote access, backup, multimedia, and Internet tools. Covers Thunderbird, OpenOffice, Firefox, Gimp and Windows Media Center.

CS 1032 – Open Source Linux Desktop **2 cr**
Prereq: CS 1030 or concurrently. Linux as your primary operating system: installation, drivers, file/process management, settings, security, remote access, backup, multimedia, and Internet tools. Covers Evolution, OpenOffice, Firefox, Gimp, Audacity, Mplayer, MythTV.

CS 1033 – Open Source Mac OS X Desktop **2 cr**
Prereq: CS 1030 or concurrently. Apple OS X as your primary operating system: installation, drivers, file/process management, settings, security, remote access, backup, multimedia, and Internet tools. Covers iMail, iTunes, NeoOffice, Firefox, Picasa, Gimp, and Apple TV.

CS 1110 – Data Cabling Basics **3 cr**
The design, installation, termination, testing and troubleshooting of copper and fiber optic cabling. Media characteristics, TIA/EIA standards, grounding, outlets, jacks, labeling, cable scanners and termination tools are also discussed.

CS 1120 – Desktop Management **3 cr**
Prereq: CS 1030. Comprehensive approach to managing all client computers (desktops, laptops, mobile devices) within an organization. Software deployment, patch management, inventory, desktop TCO, troubleshooting and customer support will be covered.

CS 1121 – CompTIA A+ Essentials **1 cr**
Prereq: CS 1120 or concurrently. Presents necessary competencies for an IT professional, including configuring, troubleshooting, and performing preventative maintenance of PC hardware and operating systems. Students will take the CompTIA A+ Essentials exam.

CS 1122 – Supporting Linux Desktops **3 cr**
Prereq: CS 1032. Manage the corporate Linux desktop; installation and configuration, software management, imaging, and patching. Shell scripting (bash), security, backup, remote access, printing, virtualization and useful CLI tools will be covered.

CS 1126 – Supporting Windows Vista **2 cr**
Prereq: CS 1120 or concurrently. Covers the essentials that an IT professional would need to support Windows Vista in a business environment. Topics include installation, deployment, configuration, maintenance, performance analysis and security.

CS 1128 – Desktop Hardware-CompTIA A+ **2 cr**
Prereq: CS 1120 or concurrently. Fundamentals of computer desktop hardware, including installation, standards, safety, troubleshooting, device drivers, networking devices, and hardware disaster recovery. Students will take the CompTIA 220-604 (Depot Technician) Exam.

CS 1129 – CompTIA A+ Certification **2 cr**
Presents necessary competencies for an IT professional, including configuring, troubleshooting, and performing preventative maintenance of PC hardware and operating systems Students will take the CompTIA A+ exams.

CS 1130 – Server Management **4 cr**
Prereq: CS 1120. Methodology for managing servers; policies, installation, configuration, security, monitoring, upgrades, maintenance, and disposal. Server-based hardware, services, storage, authentication, disaster recovery and the cloud are also covered.

CS 1131 – Managing Windows Server 2008 **2 cr**
This course covers the materials that an IT professional would need to pass the Exam 70-642: TS: Windows Server 2008 Network Infrastructure, Configuring.

CS 1132 – Linux Server Administration **3 cr**
Prereq: CS 1122. Administer Linux servers; server hardware, software, installation, configuration, services (DNS, DHCP, PXE, LDAP, samba PAM, Puppet, Cobbler), file sharing, printing, security, networking, backup, recovery, life cycle and monitoring.

CS 1200 – Protocol Mechanics **3 cr**
Prereq: CS 1030. This course covers the OSI model, and how common network protocols are used within a network. IPv4, IPv6, TCP, UDP, DHCP, DNS, SNMP, FTF, SSH, Telnet, SSL, ARP, subnetting, CIDR, DNS, and more are covered.

CS 1201 – CompTIA Network+ Essentials **1 cr**
Prereq: CS 1200 or concurrently. This course prepares students to take CompTIA's Network+ examination. Network media and topologies, industry standards, protocols, network operating systems, VLANs, and troubleshooting utilities are covered.

CS 1202 – Network Traffic Analysis **2 cr**
Prereq: CS 1200 or concurrently. Discusses network traffic and how different networking devices treat it. Using packet capture utilities and analysis tools, learn to recognize common network problems and attacks, and learn how to mitigate them.

CS 1250 – Network Infrastructure I **3 cr**
Prereq: CS 1200. Comprehensive approach to installing and configuring LAN/WAN routing and switching protocols. Static routing, RIP, OSPF, EIGRP, link state and distance vector routing protocols. VTP, VLANs, NAT/PAT, frame relay and more covered.

CS 1251 – Introduction to Routing/Switching **2 cr**
Prereq: CS 1250 or concurrently. Implementing routing protocols and switching mechanisms into production equipment. RIPv1/v2, EIGRP, OSPF, VTP, port security, interVLAN routing, ACLs, basic wireless security and more are covered.

CS 1252 – Cisco CCENT Preparation **1 cr**
Prereq: CS 1250 or concurrently. Prepares students for the current Cisco Certified Entry Network Technician (CCENT) certification. The exam tests a candidate's skills required to successfully install, operate and troubleshoot a small branch office network.

CS 1253 – Cisco CCNA Preparation **2 cr**
Prereq: CS 1250. Prepare for the Cisco Certified Network Associate certification, including skills to install, configure, operate, and troubleshoot medium-size route and switched networks. Complete objectives for this course are listed on Cisco's website.

CS 1300 – Beginning VB.NET Programming **3 cr**
A first programming course using VB. NET. Topics include problem solving, modeling, data types, style, UI design, decision and repetition control, file i/o, functions, arrays, classes and GUI widgets.

CS 1400 – Fundamentals of Programming **4 cr**
Prereq: CS 1030 or concurrently. Fundamental programming concepts in high-level languages: design, data types, control structures, methods, classes, Java API, IDEs. Emphasis on developing problem-solving skills by designing, implementing and executing simple programs.

CS 1410 – Object-Oriented Programming **4 cr**
Prereq: CS 1400. Essentials of object oriented programming in Java: creating classes, data validation, generics, packages, exception handling, unit testing, inheritance, , polymorphism, file handling, basic Swing, and a subset of the Java API are covered.

CS 1600 – Structured Programming Using C++ **4 cr**
Prereq: MATH 1060 or 1080 (either can be taken concurrently). Introductory programming course designed to develop a solid foundation in structured programming by developing computer programs to solve scientific and technical problems. Includes a brief introduction to object oriented programming.

CS 2000 – Co-op Education **1 - 2 cr**
Prereq: Sophomore standing, minimum 2.0 GPA and instructor approval. A supervised work experience in a business, industrial, or government environment related to a computer science major. Credit is awarded for successful completion of specific learning objectives.

CS 2120 – Wireless Networking **3 cr**
Prereq: CS 1200. Prepares students to configure wireless networks from layers 1-4 of the OSI model. Wireless security encryption, security, RF fundamentals, antenna design, Wi-Fi and more. Students build and test antennas, and setup WLANs.

CS 2230 – Database Servers **2 cr**
Prereq: CS 1130. Server Management. Designing schemas, indexes, queries, advanced MySQL features for max performance. Tuning MySQL server, OS, and HW to full potential. High-performance scaling of applications with replication, load balancing, high availability and failover.

CS 2250 – Implementing Virtualization **2 cr**
Prereq: CS 1130. This course covers the materials that an IT professional would need to deploy and manage virtual machines, clusters, and virtual storage.

CS 2260 – Network Infrastructure II **3 cr**
Prereq: CS 1250. Covers scalable IP addressing, EIGRP, OSPF, IS-IS, route optimization, BGP, multicasting, and IPv6, RSTP, PVRST, BPDU filtering, Root Guard, PAgP, HSRP, VRRP, GLBP, VACLs, Private VLANs, DHCP Snooping, CEF, and more.

CS 2261 – Dynamips/Dynagen Introduction **1 cr**
Prereq: CS 2260 or concurrently. This course is designed to teach students the Dynamips / Dynagen IOS emulator. Students will learn how to setup the necessary network files for routing and switching domains, as well as the commands of the emulator itself.

CS 2420 – Algorithms & Data Structures **4 cr**
Prereq: CS 1410. Topics include data structures (stacks, queues, linked lists, heaps, hash tables, trees, graphs); Java Collections framework; JDBC; algorithmic analysis (Big O, profiling); and common algorithms (recursion, searching, sorting, traversals).

CS 2430 – Discrete Structures **3 cr**
Prereq: CS 2420. An introduction to discrete mathematics and algebraic structures as applied to computer science. Proposition and logic, finite sets, relations, functions, graph theory, analysis of algorithms and state machines are taught.

CS 2450 – Software Engineering **3 cr**
Prereq: CS 1410. Presents concepts, methodology and best-practices necessary to develop large scale software projects. Includes reqts. , analysis, design, implementation and testing. Emphasizes current real-world industry best-practices and tools.

CS 2520 – Intermediate Programming in VB **3 cr**
Prereq: CS 2420. This intermediate programming course focuses on VB and the NET platform. Syntax, data structures, file i/o, NET library, XML, class structure, GUI design, and web/database projects will be discussed.

CS 2530 – Intermediate Programming in C# **3 cr**
Prereq: CS 2420. This intermediate programming course focuses on C# and the . NET platform. Syntax, data structures, file i/o, . NET library, XML, class structure, GUI design, and web/database projects will be discussed.

CS 2540 – Intermediate Programming in C++ **3 cr**
Prereq: CS 2420. An intermediate programming course in ANSI standard C++. Emphasis on object oriented design using UML, implementing classic control and data structures in C++, the standard template library, and web programming with CGI.

CS 2550 – Advanced Java Programming **3 cr**
Prereq: CS 2420. This programming course focuses on advanced Java topics, including: swing/AWT, threading, RMI, servlets, socket programming, JDBC, Java 2D, Java Beans and streams.

CS 2560 – Object Oriented Programming/Multimedia **2 cr**
Prereq: ART 2440. A course designed to teach the basics of computer language skills for multimedia production. Emphasis will be placed on the design and implementation of complex variables in multimedia applications.

CS 2810 – Computer Architecture **4 cr**
Prereq: CS 1410. Computer architecture and design: language of the computer, computer arithmetic, assessing and understanding performance, data path and control, pipelining, memory hierarchies, interfacing processors and peripherals.

CS 2900 – Current Topics in CS **0 - 4 cr**
Prereq: Instructor approval. This class covers current topics in computer science that meet student needs and industry demands.

CSIS 1080 – XML and Declarative Programming **3 cr**
Prerequisite: CIS 1030 or CS 1400 or equivalent programming experience. This course describes how XML is used as both a text based markup language and metalanguages for describing and transmitting data (especially over a network). Other lisp-like metalanguages are also studied for comparison.

CSIS 1110 – Data Cabling Basics **3 cr**
The design, installation, termination, testing and troubleshooting of copper and fiber optic cabling. Media characteristics, TIA/EIA standards, grounding, outlets, jacks, labeling, cable scanners and termination tools are also discussed.

CSIS 1121 – CompTIA A+ Essentials **3 cr**
Presents necessary competencies for an IT professional, including configuring, troubleshooting, and performing preventative maintenance of PC hardware and operating systems. Students will take the CompTIA A+ Essentials exam.

CSIS 1122 – Linux System Administration I **3 cr**
This course covers fundamental Linux skills such as file management and manipulation, text processing, command line use, package management, file systems, hardware, and many more. The course also prepares students to take the Linux Professional Institute LPIC-101 exam.

CSIS 1129 – CompTIA A+ Certification **6 cr**
Presents necessary competencies for an IT professional, including configuring, troubleshooting, & performing preventative maintenance of PC hardware & operating systems.

CSIS 1200 – Protocol Mechanics **3 cr**

This course covers how common network protocols are used within a network. Students will learn how to use Wireshark to capture and analyze network traffic such as: ARP, IP, TCP, UDP, ICMP, DNS, DHCP, HTTP, RIP and EIGRP. Subnetting, VLSM, and CIDR are also covered.

CSIS 1250 – Network Routing & Switching I **3 cr**

This course provides students with the knowledge and skills required to successfully install, operate, and troubleshoot a small branch office network. Topics covered include: networking fundamentals; connecting to a WAN; basic security and wireless concepts; routing and switching fundamentals; the TCP/IP and OSI models; IP addressing; WAN technologies; operating and configuring IOS devices; configuring RIPv2, static and default routing; implementing NAT and DHCP; and configuring simple networks. This course also helps prepare students to pass Cisco's ICND1 exam.

CSIS 1251 – Network Routing & Switching II **3 cr**

Prereq: CSIS 1250. This course provides students the knowledge and skills required to successfully install, operate, and troubleshoot a small to medium size enterprise branch network. Topics covered include: VLSM and IPv6 addressing; extending switched networks with VLANs; configuring, verifying and troubleshooting VLANs; the VTP, RSTP, OSPF and EIGRP protocols; determining IP routes; managing IP traffic with access lists; NAT and DHCP; establishing point-to- point connections; and establishing Frame Relay connections. The course also helps prepare students to pass Cisco's ICND2 exam.

CSIS 2110 – Managing Microsoft Server **3 cr**

This course covers topics that an student would need to prepare for the Windows Server Network Infrastructure exam.

CSIS 2120 – MSFT Directory Administration **3 cr**

This course covers topics that a student would need to prepare for the Windows Server Active Directory exam.

CSIS 2130 – MSFT Server Administrator **3 cr**

This course covers topics that a student would need to prepare for the Windows Server Administrator exam.

CSIS 2630 – Android Application Development **3 cr**

Recommended: CIS 1130 or CS 1410 or equivalent. Students will learn the skills required to design, code, and publish applications for mobile devices running the Android operating system. Topics include IDEs and emulators, Java as it relates to Android, XML layouts and resource files, SQLite, and the Android Market. During the semester, students will code and publish a complete mobile application.

CSIS 2640 – Mobile iOS Application Development **3 cr**
Recommended: CIS 1130 or CS 1410 or equivalent. Students will learn the skills to design, code, and publish applications for mobile devices running Apple's iOS operating system. Current devices include the iPhone and iPad. Topics include Apple's IDE and iOS simulator, the Objective C programming language, memory management, wireless communication, and the iTunes market.

CTEL 1010 – Leadership & Teambuilding (HR) **3 cr**
Students will discover and develop their strengths in leadership and teambuilding. Career-building strategies will be explored. Students will develop human relations skills that will help them to thrive in a diverse society.

CTEL 1020 – Career Speech Skills (CM) **3 cr**
Students will build their speaking, listening, non-verbal and visual presentation skills for industry applications. Students will critically plan and evaluate messages for diverse audiences using sound theoretical models.

CTEL 1030 – Leadership Lab **1 cr**
Prepares learners to compete in leadership events sponsored by national student leadership organizations. May also be taken for self-improvement.

DANC 1010 – Dance and Culture (FA, DV) **3 cr**
An introduction to dance as a means of cultural expression. Multi-cultural dance in America is explored, with analysis of how divergent traditions have survived in spite of social and cultural pressures. No dance experience required.

DANC 1090 – Bridging the Arts (FA) **3 cr**
Course examines the interconnectedness of art, dance, music and theatre by investigating the artistic elements and common threads within the creative processes to develop an informed appreciation for one's own artistic values.

DANC 1100 – Introduction to Ballet I (FA) **3 cr**
An introduction to basic ballet movement, technique, theory, history and terminology. Reading, writing, and concert attendance are part of this course.

DANC 1110 – Ballet II (LW) **2 cr**
Prereq: DANC 1100 or instructor approval. The second semester study of ballet technique, theory, and terminology. Emphasis is on learning and applying kinesiological basics for lifelong participation in dance.

DANC 1200 – Introduction to Modern Dance I (FA) 3 cr
Intro to modern dance movement, technique, theory and history. Basic dance elements of time, space, shape, and energy are introduced with emphasis on locomotor skills and movement expression. Reading, writing, and concert attendance required.

DANC 1210 – Modern Dance II (LW) 2 cr
Prereq: DANC 1200 or instructor approval. The second semester study of modern dance technique, theory, and terminology. Emphasis is on learning and applying kinesiological basics for lifelong participation in dance.

DANC 1500 – Introduction to Jazz Dance I (FA) 3 cr
An introduction to jazz movement, technique, terminology and history. Classical and contemporary jazz rhythm and style are explored. Reading, writing, and concert attendance are part of this course.

DANC 1510 – Jazz Dance II (LW) 2 cr
Prereq: DANC 1500 or instructor approval. The second semester study of jazz dance technique, theory, and terminology. Emphasis is on learning and applying kinesiological basics for lifelong participation in dance.

DANC 1580 – Introduction to Tap Dance I (FA) 3 cr
An introduction to the fundamental technical skills, terminology, and history of tap dance. Rhythm, coordination and precision of sound are emphasized. Reading, writing, and concert attendance are part of this course.

DANC 1590 – Tap Dance II (LW) 2 cr
Prereq: DANC 1580 or instructor approval. The second semester study of tap dance technique, theory, and terminology. Emphasis is on learning and applying kinesiological basics for lifelong participation in dance.

DANC 1700 – Dance Improv/Choreography I 1 cr
Prereq: DANC 1200 or instructor approval. Guided exploration in the elements of dance for the creative development of personal movement repertoire, spontaneous group interaction and choreographic skills.

DANC 1800 – Dance Company 1 cr
Prereq: By audition. Offers experience and opportunity in performance, choreography, and production for the enjoyment and creative expression of the members, and for the enrichment and entertainment of the College and community.

DANC 1900 – Special Projects 1 - 2 cr
Prereq: Department approval. Students plan their areas of study, choreography, or performance with the instructor on an individual basis.

DANC 2100 – Ballet III **2 cr**
Prereq: DANC 1110 or instructor approval. The third semester study of ballet technique, theory, and terminology.

DANC 2110 – Ballet IV **2 cr**
Prereq: DANC 2100 or instructor approval. The fourth semester study of ballet technique, theory, and terminology.

DANC 2200 – Modern Dance III **2 cr**
Prereq: DANC 1210 or instructor approval. This is the third semester study of modern dance movement, technique, and theory.

DANC 2210 – Modern Dance IV **2 cr**
Prereq: DANC 2200 or instructor approval. This is the fourth semester study of modern dance movement, technique and theory.

DANC 2500 – Jazz Dance III **2 cr**
Prereq: DANC 1510 or instructor approval. This is the third semester study of jazz movement, technique, and terminology.

DANC 2510 – Jazz Dance IV **2 cr**
Prereq: DANC 2500 or instructor approval. This is the fourth semester study of jazz movement, technique, and terminology.

DANC 2580 – Tap Dance III **2 cr**
Prereq: DANC 1590 or instructor approval. The third semester study of tap dance technique, theory, rhythms and terminology. Emphases is on increasingly complex rhythms, time steps and movement phrases.

DANC 2700 – Dance Improv/Choreography II **1 cr**
Prereq: DANC 1700. This is the second semester exploration of the elements of dance for the creative development of personal and group movement repertoire and choreographic skills.

DANC 2800 – Dance Company II **1 cr**
Prereq: By audition. Second year experience and opportunity in performance, choreography, and production for the enjoyment and creative expression of the members, and for the enrichment and entertainment of the college and community.

DANC 2900 – Special Topics **1 - 3 cr**
Prereq: Department approval. Students will learn specific areas of study in current trends within the dance field.

DANC 2990 – Performing Arts Connection **2 cr**
Prereq: Department approval. This is a collaboration of dance, music, and/or theatre. Students will create individual works to be performed in the Performing Arts Showcase.

DE 0910 – Language Arts for the Deaf **6 cr**
Year developmental course teaches English through American Sign Language. Strengthens ASL skills as well. Vocabulary, idioms, figurative language, grammar, critical thinking, study skills, reading, writing.

DE 0950 – College Vocabulary **3 cr**
Prereq: 72-83 score on the LOEP test or Accuplacer placement into RDG/ WRTG 0900 or higher. Students will increase their academic vocabulary by studying and learning how to proficiently use over 200 general, technical, academic, and professional English words and phrases.

DE 0990 – Life Skills **2 cr**
This class teaches students the basic fundamentals of cooking, clothing care, grocery shopping, personal finance, housekeeping, basic home care, basic car care, and roommate survival skills.

DE 1070 – Beginning Keyboarding **3 cr**
Learn beginning keyboarding skills by computer. Cover the alphabet, numbers, symbols, and keyboarding techniques. Emphasizes speed and accuracy through improved techniques.

DH 1050 – Dental Radiology **2 cr**
Prereq: Admission into program. Study of physical behavior, biological effects, methods of control, safety and techniques for exposing, processing and mounting radiographs. Included is interpretation, recognition and identification of significant findings.

DH 1060 – Dental Radiology Lab **1 cr**
Prereq: Admission into program. Laboratory experience in dental radiography procedures and techniques. Treatment planning, exposure, interpretation and evaluation of dental radiographs with emphasis on client management techniques and their application.

DH 1100 – Dental Hygiene Theory I **3 cr**
Prereq: Admission into program. Introductory course to practice of dental hygiene. Students learn principles and theory of infection control, medical, dental, extra/intra-oral assessments, management of medical emergencies, current instrumentation and operatory management.

DH 1110 – Clinical Dental Hygiene I **2 cr**
Prereq: Admission into program. Student experience to basic dental hygiene skills and procedures. Skill development is attained through practice sessions and performance evaluations.

DH 1140 – Dental Materials **1 cr**
Prereq: DH 1050, DH 1060, DH 1100, DH 1110, DH 1330, DH 1340, and DH 1350. Study of chemical and physical composition and uses of dental materials. Emphasis on effects of various materials in the oral environment and why specific materials are used. There is an accompanying lab.

DH 1150 – Dental Materials Lab **1 cr**
Prereq: Acceptance into the Dental Hygiene Program, DH 1100, DH 1110, DH 1050, DH 1060, DH 1330, and DH 1340. Students receive the opportunity to develop manipulative skills and practice procedures with various materials used in dentistry and dental hygiene.

DH 1330 – Head and Neck Anatomy **2 cr**
Prereq: Admission into program. This course covers the study of head, neck and oral anatomy, with emphasis on terminology. Lab is included.

DH 1340 – Dental Anatomy **1 cr**
Prereq: Admission into program. This is the comprehensive presentation of structures of the oral cavity, including oral anatomy, tooth development anatomy and occlusion. Lab is included.

DH 1350 – Dental Embryology/Histology **1 cr**
Prereq: Admission into program. This is a comprehensive presentation of embryonic, fetal and postnatal development of tissues and structures of the head and oral cavity.

DH 1400 – Dental Hygiene Theory II **3 cr**
Prereq: DH 1100 and DH 1110. Continuance of DH Theory I. Comprehensive patient care will be required in various problem solving and decision making skills involving the assessment, planning, implementation and evaluation of direct care to the public.

DH 1410 – Clinical Dental Hygiene II **3 cr**
Prereq: DH 1100 and DH 1110. Delivery of preventative and therapeutic services. Practical application from didactic information. Professionalism, client and operating safety, instrument competency.

DH 1540 – Pharmacology **3 cr**
Prereq: DH 1100. Course emphasizes pharmacodynamics of drug action, modes of administration, biotransformation, excretion, drug side effects and interactions. Focus on impact various medications have in dental and dental hygiene treatment.

DH 1640 – Compromised Patient Special Needs **2 cr**
Prereq: DH 1100. Course offers in-depth study of problems, unusual health conditions and/or factors that may complicate routine dental hygiene care.

DH 2050 – General and Oral Pathology **3 cr**
Prereq: DH 1400. Course focuses on fundamentals of oral pathology and disease processes. An overview of oral pathology emphasizes recognition and identification of pathologic conditions within the oral cavity.

DH 2200 – Dental Hygiene Theory III **3 cr**
Prereq: DH 1400. To continue a course of study in theory and practice of dental hygiene. Focus will be on advanced instrumentation, implementation of advanced dental hygiene care, case studies and table clinics.

DH 2210 – Clinical Dental Hygiene III **4 cr**
Prereq: DH 1410. Continued application of preventive and therapeutic service to the public. Advanced aspects of hygiene care are applied through learning sessions/performance evaluations for local anesthesia, nitrous oxide, ultrasonic/sonic and case management.

DH 2220 – Community Dental Health **3 cr**
Prereq: Admission into program. Principles and practice of public health methods and plans are taught examining biostatistics and epidemiology. Students design, implement and evaluate programs with community focus.

DH 2340 – Local Anesthesia **2 cr**
Prereq: DH 1540. Coreq: DH 2341. Pain control in the dental office setting including administration of local anesthetic/nitrous oxide and anxiety management. Completion of this course qualifies students to take WREB for local area anesthesia. Lab is included.

DH 2341 – Local Anesthesia Lab **1 cr**
Prereq: DH 1540. Coreq: DH 2340. Demonstration and administration of all local regional blocks are experienced in a supervised lab setting. Minimum competence is verified through successful completion of proficiency evaluations.

DH 2450 – Periodontology I **2 cr**
Prereq: DH 1410. Anatomy/physiology, histopathology, microbiology specific to dental disease, etiology and clinical features of gingival/ periodontal infections are taught. Emphasis is placed on recognition and treatment planning for periodontal clients.

DH 2600 – Dental Hygiene Theory IV **3 cr**
Prereq: DH 2200. Prep course for entry into DH profession. Legal/ethical values, rules and philosophy are examined. Includes licensing procedures, principles of practice management, resume writing, job interviewing and career planning.

DH 2610 – Clinical Dental Hygiene IV **5 cr**
Prereq: DH 2210. Clinical expertise is refined. Time management and patient care are emphasized, preparing students for clinical licensing board examinations.

DH 2800 – Practice Management **2 cr**
This course provides a study of principles and procedures related to management of the dental practice. Topics include the philosophy of dental practice and the business of dentistry, office management software, insurance programs and coding, appointment management and patient recall, supply and inventory control, and internal marketing. Emphasis is placed on dental jurisprudence and ethical issues, and applied interpersonal communication both written and oral. Students develop skills in interviewing, writing letters of application and resumes.

DH 2850 – Periodontology II **2 cr**
Prereq: DH 2450. Course offers advanced techniques for treatment of perio disease including various modes of treatment and wound healing. Emphasis is placed on the role of the dental hygienist as a periodontal co-therapist.

DISP 1010 – Regs, A/C Systems & Procedures **3 cr**
Prereq: PILT 1100, 1400 and 2050, or all concurrently. Course overviews: FAR Part 1, 25, 61, 65, 71, 91, 119, 121, 139 and 175, NTSB part 830, aircraft flight and general operating manuals, aircraft performance and systems, operating specs for aircraft type, as well as emergency/abnormal procedures.

DISP 1100 – Navigation & Planning **2 cr**
Course will include study of the following: earth, chart reading application/use, national airspace plan, navigation systems, airborne navigation instruments, instrument approach procedures and special navigation/operations.

DISP 1200 – Weather, Analysis & Forecasts **1 cr**
This course will include surface observation, terminal forecasts, significant en route reports/forecasts, observed prognostic weather charts, imagery, meteorological info, data analysis and outlets providing aviation weather product.

DISP 1300 – Dispatch Applications **5 cr**
Prereq: PILT 1100, PILT 1400, PILT 2050 and DISP 1010 or all concurrently. Course will cover topics related to weather analysis and forecasts and flight navigation and planning. Students will apply proper flight dispatch applications under FAR Part 121 from flight prep to departure w/flight following and arrival.

DMS 1010 – Patient Care **2 cr**
Prereq: Admission to DMS program. This online course prepares students to provide basic care to patients. Includes patient interactions, history taking, transfer techniques, vitals signs and oxygen, infection control, aseptic/nonaseptic techniques, ethics, medial law, etc.

DMS 1020 – Abdominal Sonography **4 cr**
Prereq: Admission to DMS program. Clinical aspects of abdominal Sonography. Emphasizes pertinent laboratory tests, other imaging modalities and physical signs and symptoms of disease with focus on performing and interpreting abdominal exams.

DMS 1030 – Physics/Instrumentation **3 cr**
Prereq: Admission to DMS program. Fundamental knowledge of physical principles and instrumentation of diagnostic ultrasound. Explains how diagnostic ultrasound works and helps student properly handle artifacts, scan safely and evaluate instruments.

DMS 1040 – Ultrasound Lab **2 cr**
Prereq: Admission to DMS program. Compliments didactic course instruction. Students will observe scanning equipment, techniques, and have a hands-on opportunity to perform basic skills necessary of a sonographer.

DMS 1110 – OB/GYN **4 cr**
Prereq: DMS 1030. Comprehensive discussion of obstetrical and gynecologic diagnostic ultrasound. Provides information of anatomy, Pathophysiology, sonographic theory, and sonographic technique.

DMS 1120 – Pathophysiology **4 cr**
Prereq: DMS 1020. Basics of Pathophysiology Includes most common diseases for each body system, including study of the cell, underlying processes of disease and a systematic survey of disease within body systems.

DMS 1130 – Clinical I **4 cr**
Prereq: DMS 1040. Students attend a clinical setting 24 hours each week.

DMS 1210 – Sectional Anatomy **3 cr**
Prereq: DMS 1110. Axial, sagittal and coronal planes of human anatomy. Anatomical regions studied are cranial and facial bones, brain, spine, neck, thorax, abdomen, pelvis, upper extremity/lower extremity joints.

DMS 1230 – Clinical II **4 cr**
Prereq: DMS 1130. Students attend a clinical setting 24 hours each week. Emphasis is on expanding the scanning proficiency and range of the student. Professional growth is continued. Activities are guided by a competency based system.

DMS 2010 – Vascular Ultrasound **3 cr**
Prereq: DMS 1210. Principles and practice of vascular ultrasound, including basic theory and instrumentation. Understanding the function of scanner controls to obtain optimal images.

DMS 2030 – Clinical III **5 cr**
Prereq: DMS 1230. Students attend a clinical setting 32 hours each week. Emphasis is on expanding the scanning proficiency and range of the student.

DMS 2040 – Ethics in Healthcare **4 cr**
This online course will examine ethical dilemmas facing clinicians and non clinician health care workers. Students will cover a wide variety of issues including the ethics and morality behind patient care, and patient confidentiality.

DMS 2110 – Fetal Anomalies **4 cr**
Prereq: DMS 2010. Improved detection, diagnosis and understanding of congenital anomalies. Significance/natural history of anomalies, including abnormalities of placenta, membranes, and umbilical cord.

DMS 2130 – Clinical IV **5 cr**
Prereq: DMS 2030. Students attend a clinical setting 32 hours each week. Emphasis is on expanding the scanning proficiency and range of the student. Professional growth is continued. Activities are guided by a competency based system.

DMS 2210 – Comprehensive Sonography **3 cr**
Prereq: DMS 2110. Review of material learned in all previous program courses. Students work in groups to organize and re-examine all course content.

DMS 2230 – Clinical V **4 cr**
Prereq: DMS 2130. Students attend a clinical setting 24 hours each week. Emphasis is on expanding the scanning proficiency and range of the student. Professional growth is continued. Activities are guided by a competency based system.

DST 1045 – Basic Diesel **4 cr**
Theory and practical experience in disassembly, inspection, and reassembly of both 2 and 4 cycle diesel engines; subassemblies for different engine systems; running and tuning up engines from different manufacturers. Safety will be stressed.

DST 1065 – Basic Engine Performance **4 cr**
Theory and practical experience in troubleshooting and repair of both 2 and 4 cycle diesel engines. Parts nomenclature, hydro mechanical fuel-injection system design and operation, and engine maintenance will also be covered. Safety will be stressed.

DST 1145 – P M Brakes **4 cr**
Theory and practical experience in preventive maintenance and servicing of heavy duty trucks and equipment. A. B. C. and D. inspections will be included. Safety procedures and shop practices will be stressed.

DST 1165 – P M Electrical **4 cr**
Theory and practical experience in preventive maintenance and servicing of heavy-duty trucks and equipment. Includes batteries and electrical systems, driveline, chassis and suspension. Shop safety procedures and practices will be stressed.

DST 1199 – Specialty Training HDM **1 - 7 cr**
This is a course designed to help students obtain specialized training specific to industry. It is taught as requested by industry.

DST 1245 – Drivetrains Fluid Drives **4 cr**
Classroom instruction and practical laboratory experience in torque converter operation and troubleshooting, power shift, and automatic transmission design, operation and troubleshooting. Electronically controlled transmissions and diagnostics will be covered.

DST 1265 – Drivetrains Gear Drives **4 cr**
Classroom instruction and practical laboratory experience in clutch operation and adjusting. Manual transmissions, Twin Countershaft transmission both manual and automated. Differential theory and operation, and final drives. We will also cover track type undercarriages.

DST 1299 – Specialty Training HDM **1 - 7 cr**
To help students obtain specialized training specific to industry. Students must register for 1-7 credits in the DST program. It is taught as requested by industry.

DST 2045 – Advanced Engines & Electronics **4 cr**
Prereq: DST 1045 and DST 1065. Practical experience in diesel engine fuel systems operation, troubleshooting, repair, and maintenance for both 2 and 4 cycle engines. Electronic fuel injection theory, operation and troubleshooting will be covered, as well as computer based diagnostics.

DST 2065 – Advanced Engines & Electronics **4 cr**
Prereq: DST 1045, DST 1065, and DST 2045. Classroom instruction and practical laboratory experience in electronic fuel injection, engine performance, and exhaust emissions. Troubleshooting, repair, and maintenance of both 2 and 4 cycle engines will be demonstrated by instructors and experienced by students.

DST 2145 – H. D. Hydraulic Controls **4 cr**
Theory and practical experience in principals of fluid power transmission, force, energy, pumps, valves, cylinders, and motors as applied to mobile hydraulic systems. Shop procedures and safety will be stressed.

DST 2165 – H.D. Hydraulic Functions **4 cr**
Theory and practical experience in principles of fluid power transmission of force and energy, interactive C D training, electronic controls, Air conditioning functions and principles. Shop procedures and safety will be stressed.

DST 2245 – H. D. Electrical Circuits **4 cr**
Theory and practical experience in basic electrical circuits, principals of magnetism, charging and cranking systems, maintenance, testing, troubleshooting of all electrical applications. Safety will be stressed.

DST 2265 – H.D. Electrical Lighting **4 cr**
Theory and practical experience in basic electrical fundamentals, ignition circuits, lighting and accessories, maintenance, computer diagnostics, testing troubleshooting of all electrical applications. Safety will be stressed.

DSTA 1100 – Safety and Basic Engines **2 cr**
Coreq: DSTA 1111. Instruction in safety, theory, operation, troubleshooting and repair maintenance. Includes part nomenclature for both 2-cycle and 4-cycle diesel engines as well as tear down and rebuilding of these engines.

DSTA 1111 – Safety and Basic Engines Lab **4 cr**
Coreq: DSTA 1100. Practical experience in safety, theory, operation, troubleshooting and repair maintenance and parts nomenclature of both the 2-cycle and 4-cycle diesel engines.

DSTA 1120 – Preventive Maintenance **2 cr**
Prereq: DSTA 1100 and DSTA 1111. Coreq: DSTA 1121. Classroom instruction in preventive maintenance and servicing of heavy duty trucks and equipment. Including general PM inspections A, B, C, and D, truck systems servicing and shop safety procedures.

DSTA 1121 – Preventive Maintenance Lab **4 cr**
Prereq: DSTA 1100 and DSTA 1111. Coreq: DSTA 1120. Practical performance based experience in PM servicing of heavy duty trucks and equipment, including PM inspections, proper servicing procedures, troubleshooting and repair of heavy duty systems. Shop safety.

DSTA 1130 – Heavy-Duty Drivetrains **2 cr**
Prereq: DSTA 1120 and DSTA 1121. Coreq: DSTA 1131. Classroom instruction in clutch, manual transmission, differential, torque converter, automatic transmission, final drive, theory and operation will be covered. Track type undercarriage will also be covered.

DSTA 1131 – Heavy-Duty Drivetrains Lab **4 cr**
Prereq: DSTA 1120 and DSTA 1121. Coreq: DSTA 1130. Clutch operation and adjustment, manual transmission repair, differential diagnosis and repair, torque converter overhaul, automatic transmission diagnosis overhaul, testing, undercarriage maintenance and adjustments.

DSTA 1200 – Advanced Engines & Electronics **2 cr**
Prereq: DSTA 1130 and DSTA 1131. Coreq: DSTA 1211. Classroom instruction in tune-up, trouble-shooting, and maintenance of 2-cycle and 4-cycle diesel engines with emphasis on all systems.

DSTA 1211 – Advanced Engine & Electronics Lab **4 cr**
Prereq: DSTA 1130 and DSTA 1131. Coreq: DSTA 1200. Stresses lab application in the tune-up, trouble-shooting maintenance of 2-cycle and 4-cycle diesel engines with emphasis on all systems, including operation, diagnostics, repair of electronic and computerized-engine controls.

DSTA 1220 – Heavy-Duty Hydraulics **2 cr**
Prereq: DSTA 1200 and DSTA 1211. Coreq: DSTA 1221. Classroom instruction in fundamentals and principles of fluid power and the transmission of force and energy, using pumps, actuators, valves, accumulators, cylinders, and motors as applied to mobile hydraulics systems. Shop safety.

DSTA 1221 – Heavy-Duty Hydraulics Lab **4 cr**
Prereq: DSTA 1200 and DSTA 1211. Coreq: DSTA 1220. Performance based practical experience in mobile hydraulic systems, including proper servicing procedures, diagnosis, troubleshooting repair and testing of hydraulic components. Using basic fundamentals and principles. Shop safety.

DSTA 1230 – Heavy-Duty Electrical **2 cr**
Prereq: DSTA 1220 and DSTA 1221. Coreq: DSTA 1231. Classroom instruction in basic electronics, magnetism, electronic controls, operation, maintenance, testing, troubleshooting and repair of all electrical units. Basic operation, maintenance and repair of air conditioning units.

DSTA 1231 – Heavy-Duty Electrical Lab **4 cr**
Prereq: DSTA 1220 and DSTA 1221. Coreq: DSTA 1230. Practical experience in operation, maintenance, testing troubleshooting, and repair of electronic and electrical units in the heavy duty field. Basic operation, maintenance, and repair of air conditioning units.

DSTA 1299 – Diesel Systems Special Studies **1 - 7 cr**
Prereq: Instructor approval. To help students obtain specialized training specific to industry. Students must register for 1-7 credits in the DSTA program. It is taught as requested by industry.

DSTA 2000 – Heavy Duty Repair CO-OP **2 - 4 cr**
College credit for experience on the job site. Arranged in advance. Requirements are determined by the employer.

EBT 1210 – Creativity and Problem Solving **2 cr**
This course teaches highly valuable tools for finding creative solutions to any problem. The tools learned help students and working professionals be more innovative and confident in meeting life's challenges.

EBT 2820 – The World of Wireless **3 cr**
Students learn next-generation wireless applications and mobile Internet revolution. Students learn design for cell phones, PDAs and handheld computers. Students explore 3G wireless media, M-commerce, and mobile operating systems.

EBT 2915 – Special Topics in Teacher Technology **1 cr**
Prereq: EBT 2620. This course offers a flexible forum for educators to explore, collaborate, and pursue topics of interest in using technology in the classroom. Content may include new software, field research, or guest lecture series.

ECON 1010 – Economics as Social Science (SS) **3 cr**
Studies the role of economics in understanding social problems. It is designed as a general information course for all individuals despite major, and satisfies the social science component of general education.

ECON 1400 – Economic History of American Labor **3 cr**
Survey of the development of the labor movement and unions in America. Includes profile of working class, early trade unions, the rise of industrial trade unions, AFL-CIO, and contemporary labor developments and issues.

ECON 1600 – Introduction to Economic Systems (SS) **3 cr**
Educates students in economic systems such as capitalism, socialism, and mixed economic systems. Basic economic concepts will be used to understand and analyze social, political, and cultural influences on such systems.

ECON 1740 – Economic History of U.S. (AI) **3 cr**
Explores the historical foundations of American economic growth and development from colonial times to the present. The study of economic history provides scholars the opportunity to understand and analyze, from a historical perspective, the impact of institutional and structural changes within the American economy.

ECON 2010 – Microeconomics (SS) 3 cr
This course studies consumer and producer behavior, and the role specific economic units play in market development. Elasticity, consumer choice, production costs, and profits are examined relative to different levels of competition.

ECON 2020 – Macroeconomics (SS) 3 cr
This course studies the economy as a whole. Concepts of scarcity, demand and supply, output and income, growth, inflation, unemployment, interest rates, money and banking are all examined. Current events are used as examples.

ECON 2100 – Labor Economics 3 cr
Prereq: ECON 2010. Studies the economics of the American labor market, wage theory, labor mobility and migration, human resource development, history and role of unions, collective bargaining, and employment data studies.

ECON 2200 – Money & Banking 3 cr
This course examines financial institutions and markets and their impact on the economy. This course explores such institutions from the perspective of monetary economic theory, practice, and policy.

ECON 2250 – Environmental Economics 3 cr
Students will evaluate costs of environmental degradation and determine their point of impact. They will recommend best economic measures for minimizing costs to society. Economic sustainability will be considered.

ECON 2400 – International Econ/Finance 3 cr
Prereq: ECON 2010 or ECON 2020 (either can be taken concurrently). This course is on economic topics pertaining to international trade and finance. This course develops theory, practice and the policy in the global context.

ECON 2990 – Special Studies in Economics 1 - 3 cr
Prereq: Instructor approval. Under the supervision of the instructor, students develop and follow an individualized curriculum.

EDDT 1010 – Technical Drafting I 3 cr
Lab practice in board drafting techniques, use of drafting tools, lettering, geometric construction, orthographic and isometric sketching, projection techniques, section views, and dimensioning standards.

EDDT 1040 – Introduction to AutoCAD **3 cr**
Basic skills using AutoCad for drawing applications are taught. The course includes: draw and modify commands, geometric construction, dimensions, templates, blocks and libraries, hatching, layers, scales, and plotting. .

EDDT 1100 – Advanced AutoCAD **2 cr**
Prereq: EDDT 1040. Advanced skills using AutoCAD. Includes: introduction to detail and assembly drawings, advanced geometric construction, isometric drawing, auxiliary views, advanced dimensioning, dynamic blocks with attributes, and AutoCAD 3D Modeling.

EDDT 1200 – Technical Drafting II **4 cr**
Prereq: EDDT 1010 and EDDT 1100 (either can be taken concurrently). Overview of technical drafting disciplines: mechanical details and assemblies, fits and tolerances, flat pattern layout, electronic diagrams, structural steel including welds, civil, and piping. Students will create industry design and working drawings.

EDDT 1420 – Basic MicroStation **2 cr**
This course teaches drafting skills using MicroStation CAD software and includes: geometric construction, drawing and modification commands, dimensioning, cell libraries, plots, working units, patterning, seed files, and reference files.

EDDT 2160 – Statics and Strength of Materials **5 cr**
Prereq: MATH 1060 or 1080. Focuses on the fundamentals of material statics and strength, theory of forces, moments, and deflection, stresses, centroids and moment of Inertia, principles of design, problem-solving and application.

EDDT 2180 – Electronics Drafting **3 cr**
Prereq: EDDT 1100. Drafting and design techniques used in the electronics industry including: electronics symbols, schematic and logic diagrams, electro-mechanical design, printed circuit board design, artwork layout, and related industry standards. Students will be using PADS which is a circuit board layout software package and AutoCAD.

EDDT 2190 – Civil Drafting **2 cr**
Prereq: EDDT 1040 and EDDT 1420. The study of the various types of civil drafting: plats, contour maps, profiles, road design, and site layout. Includes mapping terminology, symbols and standard formats. Taught using MicroStation and AutoCAD Civil 3D.

EDDT 2240 – Steel Detailing **3 cr**
Prereq: EDDT 1040 and MATH 1010. Use of the AISC manual to calculate stresses and design simple steel structures with welded and bolted connections. Layouts and drawings of details required for fabrication using appropriate industry standards and formats.

EDDT 2340 – Manufacturing Processes **2 cr**
Prereq: EDDT 1040 or concurrently. Coreq: EDDT 2350. A broad analysis of industrial materials and processes used in manufacturing as related to design. Topics include: metal forming, casting, machining, non-metals, finishing and assembly, and the principles of material behavior.

EDDT 2350 – Manufacturing Processes Lab **1 cr**
Coreq: EDDT 2340. Lab practice in the processes used to change material shape and condition for industrial use and the principles of material behavior. Topics include: metal forming, casting, injection molding, heat treatment, equipment selection, design criteria, shop and safety procedures.

EDDT 2360 – Pipe Drafting **2 cr**
Prereq: EDDT 1040 or EDDT 1420. This is specialized training in the drafting principles for piping layouts and drawings. It includes: symbols, fittings, controls, parts specifications, diagrams, and detail drawings using appropriate industry standards and formats.

EDDT 2420 – Advanced MicroStation **2 cr**
Prereq: EDDT 1420. Advanced techniques with MicroStation software mainly as it is used in civil design disciplines. Topics include customization , drawing management and advanced detailing tools.

EDDT 2540 – Geometric Dimension &Tolerance **2 cr**
Prereq: EDDT 1040. Study of the application and interpretation of geometric dimensioning and tolerancing per the latest ASME Y 14. 5 standard.

EDDT 2600 – Modeling with SolidWorks **3 cr**
Prereq: EDDT 1040 or CAD experience. Use of SolidWorks software in the creation of 3D models to aid in the analysis and design of mechanical parts and assemblies. Topics include construction, extraction of engineering data, assemblies and mates, and related drawings.

EDDT 2700 – Advanced SolidWorks **2 cr**
Prereq: EDDT 2600 or equivalent experience. This course covers advanced techniques in solid modeling using SolidWorks and PhotoView for solving complex design problems. SimulationXpress for design and stress analysis will also be taught.

EDDT 2710 – AutoDesk Inventor 3D Modeling **2 cr**
Prereq: AutoCAD experience. Solid modeling with AutoDesk Inventor will be taught. Topics include sketch planes, part construction, extraction of engineering data, assemblies and mating parts, parametric design and related drawings. The Design Center will also be used.

EDDT 2990 – Special Topics **1 - 5 cr**
Prereq: Instructor approval. This course is designed so the student can work on special individualized projects under the supervision of the instructor.

EDU 1010 – Orientation to Education **3 cr**
Teaching as a career - challenges and rewards, history, philosophies, social issues, legal issues, job availability, and governance. Preparation for acceptance into a teacher education program. Field experience required.

EDU 1400 – Study of Disabilities (SS, DV) **3 cr**
Examines social dynamic between non-disabled majority and disabled minority cultural groups. Historical, ethical, legal, and attitudinal perspectives relating to disability issues will be addressed. Course may be taught with a Service Learning component.

EDU 1900 – Individual Studies in Education **1 - 3 cr**
Prereq: Instructor approval. Students plan areas of study, service learning or travel and work with an instructor on an individual basis. The course may involve readings, discussion, research, Service Learning, intensive writing or other skills deemed appropriate.

EDU 2000 – CO-OP Education **1 - 2 cr**
Prereq: FHS 1500 and EDU 1010. Supervised work experience in a school or other equivalent setting. Requires the ability to apply teaching/learning theory while working with children. Credit is awarded for successful completion of specific learning objectives.

EDU 2010 – Introduction to Special Education **3 cr**
Historical overview of legal, ethical, and social issues related to a free, appropriate education. Levels of inclusion. Developmentally Appropriate Practice (DAP). Individualized Education Programs (IEPs). Community resources. Working with parents and specialists.

EDU 2011 – Inclusive Classrooms **3 cr**
Prospective general and special educators develop an understanding of the educational needs of children with disabilities and study a variety of instructional and organizational techniques for an inclusive classroom.

EDU 2030 – Research/Inquiry in Education **3 cr**
Examines the general principles and methods used to explain social phenomena. Topics include research design, measurement, sampling, experiments, surveys, data analysis, association and causation, ethics, and the uses of research.

EDU 2110 – Ed Psych Learning & Literacy **3 cr**
Development, application, and assessment of learning; how theory guides classroom instruction; how assessments determine instructional effectiveness.

EDU 2140 – Technology in the Classroom **2 cr**
Examines the fundamental concepts, knowledge, skills, and attitudes for technology in the elementary classroom.

EDU 2150 – Introduction to Multicultural Education **3 cr**
Students explore historical and theoretical aspects of diversity in elementary and secondary classrooms. Students learn how to create a climate for understanding and acceptance.

EDU 2410 – Educational Law and Policy **3 cr**
Introduces laws and policies affecting professional educators in elementary and secondary schools.

EDU 2800 – Inst., Tech., Assess., & Plan **3 cr**
Prereq: ARL candidates only. The teacher will learn to use a variety of instructional strategies to encourage students' development of critical thinking, problem solving and performance skills. Teachers will create an electronic portfolio.

EDU 2820 – Creating A Learning Environmnt **3 cr**
Prereq: ARL candidates only. The teacher will learn how children learn and develop and will learn to provide learning opportunities that support their intellectual, social, and personal development.

EDU 2840 – Literacy Strategies **3 cr**
Prereq: ARL candidates only. This course will focus on fundamentals of reading comprehension of students and decisions teachers make concerning methods, materials, and procedures based on those fundamentals.

EDU 2860 – Survey/Learn to Teach. Diverse Populations **3 cr**
Prereq: ARL candidates only. This course will explore the rationale, concepts, theory, and practice of teaching diverse populations from cultural, linguistic and socio-economic diverse backgrounds in pluralistic schools and societies.

EDU 2900 – Special Topics in Education **1 - 3 cr**
An in-depth study of a particular topic in elementary or secondary education. The course may involve readings, discussion, research, Service Learning, intensive writing, or other skills deemed appropriate.

EE 1010 – Lab Instruments and Methods **1 cr**
The proper use of electronic measuring instruments, including function generators, volt meters, and oscilloscopes. Loading and frequency effects are included.

EE 1020 – Electrical Engineering Problem w/Matlab **1 cr**
Prereq: MATH 1060 or 1080 (either can be taken concurrently). EE introduction using MatLab Design of prototype communications systems using script and function, files, math functions, commands for array construction and manipulation, string expressions, logical operators, control flow and graphics.

EE 1030 – UNIX for ELECT Engineering Students **1 cr**
Topics for this course include the X windows systems, UNIX shell commands, file system issues, text editing with Emacs, accessing the World Wide Web with Netscape, and electronic mail.

EE 1270 – Introduction to Electrical Circuits I **4 cr**
Prereq: MATH 1220; PHYS 2210; EE 1020 or ENGR 1030 or ENGR 1040 (any of these can be taken concurrently). Basic concepts of analog circuits including voltage, current power, resistance, capacitance and inductance. Ohm's, Kirchhoff's Laws, node voltages, branch, mesh currents, equivalent circuits and design projects are included.

EE 2000 – Cooperative Education **1 - 2 cr**
Prereq: Sophomore standing, minimum 2.0 GPA, and instructor approval. Supervised work experience in a business, industrial or governmental environment related to the program major. Credit is awarded for completion of specific objectives that provide new learning related to the program major.

EE 2200 – Electrical Engineering for Civil Engineer **1.5 cr**
Prereq: PHYS 2210; MATH 2250 (can be taken concurrently). Fundamentals of electrical engineering topics for Civil Engineering majors. Fundamentals of DC and AC theory, power, motors, transformers, and design projects are included.

EE 2210 – Electrical Engineering For Non-EE Majors **3 cr**
Prereq: PHYS 2210; MATH 2250 (can be taken concurrently). Fundamentals of electrical engineering topics for students who are not electrical engineering majors. Fundamentals of DC and AC theory, semiconductor devices, power, motors, transformers, transducers, actuators and design projects are included.

EE 2260 – Fundamentals of Electrical Circuits II **4 cr**
Prereq: EE 1270, and PHYS 2220. Basic concepts of Natural and step Response of RCL Circuits, Sinusoidal Steady-State, Power, Three Phase Circuits, Filters, Frequency selective circuits, Fourier Series and Laplace Transforms, Bode plots and design projects are included.

EE 2280 – Fundamentals of Engineering Electronics **4 cr**
Prereq: EE 1270, MATH 2250, and PHYS 2220. Fundamentals of semiconductor devices, electronic circuits and components, network models of amplifiers, diodes, BJTs and MOSFETs, biasing, feedback, stability and frequency response are covered. Design projects and simulation are included.

EE 2700 – Fundamentals of Digital System Design **4 cr**
Prereq: CS 1600 and PHYS 2220. An introduction to digital systems, Boolean algebra, theory of combinatorial circuits, sequential circuits and finite state machines. Computer aided design (CAD) tools used for schematic capture, simulate, implement and test the circuits.

EE 2900 – Special Topics In Electrical Engineering **1 - 3 cr**
Special Topics reflecting items of current interest in Electrical Engineering.

EGMT 1010 – Introduction to Energy Management **2 cr**
Provides an overview of the energy mgmt field and defines need of energy mgmt as an integral part of society. Course also presents various vocational opportunities through lectures/guest speakers/site visits.

EGMT 1110 – HVAC Energy Analysis I **2 cr**
Prereq: EGMT 1010. Course introduces HVAC fundamentals including applications to residential and light commercial energy use. Topics include HVAC functions, units and measurements, heat transfer and loads, thermodynamics, heating and cooling systems, building envelopes, blower doors, indoor air quality, and basics of electricity. All subjects are related to their HVAC applications.

EGMT 1120 – Commercial Energy Analysis **3 cr**
Prereq: EGMT 1210 and MATH 1010. Analysis of energy use and management in light commercial buildings, preparing for and performing walk through audits in apartments, restaurants, and retail/office complexes. Emphasis on analyzing data obtained from field experience.

EGMT 1130 – Building Energy Simulations **3 cr**
Prereq: EGMT 1120. Course reviews computer programs available for analyzing commercial buildings. Topics include code and output format, BIN methodology, hourly simulations and current programs on market. Students perform simulations under supervision.

EGMT 1210 – HVAC Energy Analysis II **2 cr**
Prereq: EGMT 1110 and PHYS 1010. An overview of the refrigeration cycle, HVAC system types, tuning, operating and maintenance (TOM), air duct design, psychrometrics and energy conserving retrofit options.

EGMT 1220 – Commercial A/C Sys Analysis **2 cr**
Prereq: EGMT 1210 and MATH 1010. Course will explore A/C systems commonly found in the commercial environment. Site visits to help students identify system types and conservation opportunities associated with each technology will be discussed.

EGMT 1230 – Energy Control Strategies **3 cr**
Prereq: EGMT 1220, 1240, and 1700 or instructor approval. Course covers devices used to regulate energy use in buildings, pneumatic/electric/electronic; from manual to auto, simple switches to microprocessors. Emphasis on control/ calibration problems and re-designing for energy efficiency.

EGMT 1240 – Energy Efficiency Methods **2 cr**
Prereq: EGMT 1110 and PHYS 1010. Emphases on energy management calc. methods using computerized spreadsheets, focusing on energy conversion factors, dimensional analysis and documentation standards.. Fundamental eff. calc. practiced for combustion motors and refrigeration.

EGMT 1310 – Lighting Fundamentals **2 cr**
Prereq: EGMT 1110, PHYS 1010, and EGMT 1700 or instructor approval. Course assesses quantity and quality of light, light sources and controls, luminaries, manufacturer lamp and ballast specs. , lighting power density and HVAC interactions, retrofit oppor. , cost saving anal. , lighting codes/regs. , lighting audit proj.

EGMT 1320 – Lighting Applications **2 cr**
Prereq: EGMT 1310 and MATH 1010. Students will review terminology and lighting fundamentals, IES illuminance selection procedures, eval. lighting sys. , luminaries and assoc. components, perform illuminance calcs. including point by point, lumen and computerized procedures.

EGMT 1410 – Energy Investment Analysis **2 cr**
Prereq: EGMT 1210, 1240, 1310 and MATH 1010. What is/isn't appropriate energy efficiency measure investment? Utility rate schedules, simple payback analysis, comp. interest, time value of money, cost estimating, life cycle cost analysis, simulation tools reviewed. LCCA project req.

EGMT 1420 – Energy Accounting **2 cr**
Prereq: CIS 2990. Course will review energy units, data gathering for energy acctng. utility rates and schedules, energy data organization, acj. baselines, cost avoidance, load factor, data analysis, data presentation, ENACT software and spreadsheet. development.

EGMT 1540 – Alternative Energy Technologies **2 cr**
Survey of sources of energy that may be used to increase energy supply in the Mountain West region including: wind, geothermal, solar and biomass. Environmental, social and economic advantages of each source are assessed.

EGMT 1600 – Introduction to Water Resources **2 cr**
Introduction to various water and water-related topics such as water cycles, supplemental water sources and water conservation. Examination of personal, regional and global perceptions, behaviors and uses that impact water resources.

EGMT 1700 – Basic Electrical Theory **3 cr**
This course is designed to provide students with a basic understanding of electricity and the NEC Code. With subjects including: electron theory; magnetism; electromagnetism; Ohms Law; series, parallel and multi-wire circuits; protection devices; DC/AC theory; capacitance; inductance; motor, transformer, & generator theory; NEC Code navigation; voltage drop; and wire sizing.

EGMT 1710 – Basic Photovoltaics Systems **3 cr**
Prereq: EGMT 1700. This course introduces students to the basic principles of utility interactive photovoltaic system design. Through classroom and hands on instruction this course provides the knowledge to: conduct site evaluations; prepare a basic electrical and mechanical design; select appropriate components; perform a financial benefit analysis; prepare a proposal; and work safely with PV systems.

EGMT 1720 – Advanced Photovoltaic Systems **3 cr**
Prereq: EGMT 1710. This course teaches students to: properly conduct site assessments with inter row shading; adapt electrical designs according to NEC and best trade practices; working safely with PV; perform system checkouts and inspections; design, install, maintain and troubleshoot commercial and off-grid photovoltaic, battery based and hybrid systems.

EGMT 2060 – Energy Management Seminar I **1 cr**
Seminar is a pathway for students to increase their understanding of industry expectations, as well as develop job search tools/skills. Designed to transition students from classroom to co-op to professional careers.

EGMT 2065 – Energy Management Seminar II **1 cr**
Seminar is a vehicle for students to enhance their understanding of industry expectations. Students will learn job search tools/skills. Designed to transition students from classroom to professional careers.

EGMT 2800 – Energy Management Internship **4 cr**
Prereq: Completion of all major course requirements. This course provides relevant field experience integrating theory and practice while providing opportunities to develop skills, explore career options through networking with professionals and employers in the energy management field.

ELI 1110 – Electricity I A **5 cr**
Prereq: MATH 0990 or ELI 1470 (either w/C grade or better) or appropriate Accuplacer score. Electrical materials and devices, safety on the job site and handling of tools and equipment. Math for electricians and electrical code including definitions and basic direct current fundamentals.

ELI 1120 – Electricity I B **5 cr**
Prereq: ELI 1110. Direct current fundamentals with application and study of the National Electrical Code including theory and definitions, circuits, direct current motors and generators. Introduction to Alternating Current is included.

ELI 1210 – Electricity II A **5 cr**
Prereq: ELI 1120. This is the continued study of direct current fundamentals and theory. It includes applied math for electricians, capacitance and impedance, series circuits and resistance.

ELI 1220 – Electricity II B **5 cr**
Prereq: ELI 1210. This course provides continued instruction in alternating current fundamentals and applied math for electricians. Instruction includes theory and application in transformers, alternating current methods and motor controls.

ELI 1470 – Math for the Trades (QS) **5 cr**
This is a customized electricians' course in applied mathematics for the trades including algebraic and trigonometric functions.

ELI 2000 – Electrical CO-OP **3 - 6 cr**
Prereq: Instructor approval. College credit for experience on the job site. Arranged in advance. Requirements are determined by the employee.

ELI 2310 – Electricity III A **5 cr**
Prereq: ELI 1220. This course provides instruction in heating and air conditioning, continued math for electricians and introduces instrumentation. Further instruction in National Electrical Code and testing equipment is provided.

ELI 2320 – Electricity III B **5 cr**
Prereq: ELI 2310. This course covers advanced motor controls theory and application, transformers and specialty applications. Instruction also is provided in electronics and continuation of math for electricians.

ELI 2410 – Electricity IV A **5 cr**
Prereq: ELI 2320. This is a study of atomic theory, electricity and magnetism and series-parallel circuits. Continued application and study of math for electricians and the National Electrical Code is included.

ELI 2420 – Electricity IV B **5 cr**
Prereq: ELI 2410. Math for electricians including vectors and trigonometric functions. Various circuits, power sources and supplies, advanced motor and motor control. National Electrical Code is included.

ELI 2510 – Electricity V A **5 cr**
Direct current and alternating current theory fundamentals, applied math and application of motors, motor controls and the National Electrical Code. Elective class to prepare journeymen for Master's Examination.

ELI 2520 – Electricity V B **5 cr**
Direct current and alternating current theory fundamentals, applied math and application of motors, motor controls and the National Electrical Code. Elective class to prepare journeymen for Master's Examination.

ELI 2990 – Electrical Special Studies **5 cr**
Special course requested by the Utah State Licensing Board for applicant electricians to review lab projects prior to retaking practical journeyman's exam.

ELI 2991 – Electrical Special Studies II **5 cr**
Special course requested by the Utah State Licensing Board for applicant electricians to review theory prior to retaking journeyman's examination.

ELTA 2000 – Electrical/Comp Technology CO-OP **1 - 8 cr**
Prereq: Instructor approval. College credit awarded for on-the-job experience. Arranged in advance with requirements determined by the employer, employee, and instructor.

ELTR 1010 – DC/AC Basic Electronics **6 cr**
Prereq: ELTR 1040. Coreq: ELTR 1050. Covers basic electronics theory, DC and AC fundamentals, circuit analysis and troubleshooting. Students learn the use of electronics equipment such as meters, oscilloscopes, and function generators.

ELTR 1030 – Active Devices **6 cr**
Prereq: ELTA 1010 or ELTR 1010 and ELTA 2010 or ELTR 2010. Fundamentals of active devices-diodes, bi-polar junction and field effect transistors, tyristor family, opto electronic family, biasing techniques, basic amplifier classes, configurations, and basic power supplies.

ELTR 1040 – Technical Basic **2 cr**
Coreq: ELTR 1010. Covers MSDOS, Windows applications, and introduction to structured programming using QBASIC. Focus on practical applications that electronics and other technology students may encounter in the industry.

ELTR 1050 – Electronics Math **3 cr**
Prereq: MATH 1010 or appropriate Accuplacer score. Covers basic arithmetic, algebraic operations, and plane trigonometry required for electronics training program. Graphical solutions, determinants, circular solutions, and systems equations are covered.

ELTR 1080 – Electronic Assembly Skills **2 cr**
A project-oriented course that provides basic soldering and assembly skills required of electronic technicians. The focus is on thru-hole soldering to industry specifications. Students receive an industry recognized certification.

ELTR 1100 – Linear Circuits **4 cr**
Prereq: ELTR 1010 and ELTR 1050. Course covers active devices such as diodes, transistors, thyroidstors, and opto-electric devices. Amplifier biasing and categories are covered, including linear and non-linear circuits. Troubleshooting concepts are emphasized.

ELTR 1130 – Digital Circuits **4 cr**
Covers basic theory of digital circuits, binary, octal, and hexadecimal number systems, truth tables, gates, counters, and logical devices. AC/DC and DC/AC conversion is covered and lab projects emphasize troubleshooting.

ELTR 2000 – Electrical/Comp Technology Co-op **1 - 8 cr**
Prereq: Instructor approval. College credit awarded for on-the-job experience. Arranged in advance with requirements determined by the employer, employee, and instructor.

ELTR 2010 – Advanced Circuit Analysis **2 cr**
Prereq: ELTR 1010 and ELTR 1100. Covers advanced electronic network theory including Thevenin's, Norton's, Millman's and superposition. Analysis of the effects of input and output impedances and loading effects on circuit performance are taught.

ELTR 2020 – Technician Certification **2 cr**
Prereq: ELTR 1100 and ELTR 1130. Review of electronics theory, applications to practical problems, and solutions. Computerized tutorial prepares students for industry-recognized associate level exams (National Assoc. of Radio and Telecom Engineers (NARTE).

ELTR 2100 – Advanced Linear Circuits **6 cr**
Prereq: ELTR 1010 and ELTR 1100. Advanced applications of linear circuits. Analysis of active filters, frequency effects on amplifiers, analysis of amplifying systems and computer simulation of linear circuits are covered.

ELTR 2140 – Advanced Digital Circuits **6 cr**
Prereq: ELTR 1130 or ELTA 1130. Course covers advanced digital topics, including Karnaugh maps, advanced logic circuits, advanced counters, shift registers, memory systems, and fundamentals of microprocessor architecture.

ELTR 2150 – Communication Systems **6 cr**
Prereq: ELTR 1100, ELTR 1130. Principles of AM, FM phase, and pulse modulation, applications, tuned, RF and power amplifiers, transmission lines and antennae. Also covers receiver and transmitter fundamentals. Students prepare for 1st FCC exam.

ELTR 2300 – Microprocessor Programs **6 cr**
Prereq: Instructor approval. Concepts of the basic computer system architecture, 68HC11 architecture, machine language and assembly language programming, debugging and trouble shooting. Hands-on training and program problem solving.

ELTR 2350 – Microprocessor Applications **6 cr**
Prereq: ELTR 2300. Introduces students to microprocessor interfacing including; data and control-in, and data and control out. Using PIA Interface adapter and writing control programs to operate and control external devices. Intro to robotics also taught.

ELTR 2480 – FCC License Preparation **4 cr**
Prereq: Instructor approval. Principles of AM, FM, phase and pulse modulation, applications, tuned, RF and power amplifiers, transmission lines and antennae. Also covers receiver and transmitter fundamentals. Students prepare for 1st class FCC exam.

ELTR 2900 – Special Topics in Electronics **4 cr**
Special Studies allows students to pursue special interests offered elsewhere in the program. Credit hours and course of study will be based on department approval. Course syllabus will outline requirements for each student.

ENGL 1010 – Introduction to Writing (EN) **3 cr**
Prereq: WRTG 0990 w/C grade or better, or appropriate Accuplacer score. Development of critical literacies-reading, writing and thinking using methods of knowledge-making. Promotes awareness of rhetorical strategies as they apply to a variety of socio-cultural contexts.

ENGL 1030 – Writing in Professions (HR) **3 cr**
Prereq: ENGL 1010. Course examines theoretical principles, practical applications and ethical approaches of public and professional writing and places these concepts in experience-specific settings and contexts with the focus on writing as human interaction.

ENGL 1050 – Introduction to Reading Diverse Culture (HU,DV) **3 cr**
Study of written and visual genres about diverse U.S. culture in order to explore the structures that serve to the advantage of certain social groups and to the disadvantage of others.

ENGL 1100 – Diversity in Popular U.S. Literature (HU,DV) 3 cr
Course examines popular American genres as sites of cultural struggle. Students study how popular American writing preserves cultural values and reinforces imbalances of power along lines of race, class, gender, and sexual orientation.

ENGL 1200 – Introduction to Linguistics: The Study of Language 3 cr
Introduces students to the study of language. Students explore the sound, structure and social role of language in immediate and distant cultures. Natural language events will be observed, collected, interpreted and analyzed.

ENGL 1800 – Digital Media Essentials 4 cr
Intro to software and hardware used to create multimedia productions. Hands-on experience using hardware, software to create 2D/3D graphics, sound, animation, and video. Discussion of the multimedia market, copyright, and ethics in mass media.

ENGL 1810 – Mentoring Writers 3 cr
Introduces students to the theory, practice, and pedagogy of writing centers and provides practical experience through Service Learning opportunities at SLCC's Student Writing Center (SWC) and Community Writing Center (CWC).

ENGL 1820 – Publication Studies 3 cr
Introduces students to the theory and practice of production, circulation, and distribution of printed and digital writing. Provides experience with publication software and equipment. Students will assist peers with production.

ENGL 1900 – Special Studies 1 - 3 cr
Prereq: ENGL 1010 or instructor approval. Students propose a possible writing project for example, genre-based-fiction or poetry-or technical writing, then meet with the instructor a number of times throughout the semester to create and revise the project.

ENGL 1910 – WCC Capstone 1 cr
Course examines practical documentation, creation and application of the Writing Certificate of Completion Program, including the WCC e-Portfolio, resume writing and revision of signature assignments. The grade for this course is given after the ePortfolio is graded at the end of the program.

ENGL 2000 – English CO-OP Education 2 - 4 cr
Prereq: Sophomore standing, minimum 2. 0 GPA and study-related employment. Supervised work experience in a business, industrial or government environment related to the program. Credit for successful completion of specific learning objectives that provide new learning related to the job and the program.

ENGL 2010 – Intermediate Writing (EN) 3 cr
Prereq: ENGL 1010 w/C grade or better. Extends principles of rhetorical awareness and knowledge making introduced in English 1010 and increases the ideological engagement within the classroom. Interrogates socioeconomic and political issues. Course may be taught with a Service Learning component.

ENGL 2030 – Language in U.S. Society (HU, DV) 3 cr
Prereq: ENGL 1010 w/C grade or better. Through a study of the patterns and functions of language in U. S. society, this course addresses how language establishes cultural identities and social allegiances, creates and disseminates knowledge, and develops and maintains power.

ENGL 2100 – Technical Writing (EN) 3 cr
Prereq: ENGL 1010 w/C grade or better. Professional writing in technical fields, contextualizing assignments in real-life work situations. Adaptation of writing strategies to cultural, social, and political contexts. Composing of diverse workplace documents. Course may be taught with a Service Learning component.

ENGL 2250 – Introduction to Imaginative Writing (HU) 3 cr
Intro to various practices and genres of imaginative writing. The course invites writers to explore the rich resources of language at play in all kinds of writing. Students prepare a portfolio of their revised work.

ENGL 2260 – Introduction to Writing Poetry (HU) 3 cr
Introduction to forms and meta-forms of poetry. The course invites student writers to take up historic and modern forms and to engage with poetry's history. Students prepare a portfolio of their revised work.

ENGL 2270 – Introduction to Writing Fiction (HU) 3 cr
Fiction will be examined as to its originations, conventions and effects on audience. Investigation of where distinctions of fiction, autobiography and other prose writing become ambiguous. Cultural assumptions and influences discussed.

ENGL 2280 – Introduction to Creative Nonfiction (HU) 3 cr
Intro to the conventions the creative nonfiction genre. Students read, analyze, and practice various forms of the essay. Creative non-fiction invites writers to make connections between personal experiences and the larger world.

ENGL 2290 – Introduction to Novel Writing 3 cr
Introduction to the history and conventions of the novel. Students will read, analyze, and practice various genres. Course invites writers to explore various structures.

ENGL 2300 – Introduction to Shakespeare **3 cr**
Prereq: ENGL 1010 w/C grade or better. Interpretive strategies for reading Shakespeare. Approach from traditional critical positions, moving to current social cultural and political reinterpretations. Students examine contemporary retellings of the plays.

ENGL 2330 – Children`s Literature **3 cr**
Prereq: ENGL 1010 w/C grade or better. This course explores texts written for children through the elementary level. Emphasis is placed on scope, artistic merit, and selection.

ENGL 2500 – Grammar and Style **3 cr**
A study of prose style through the lens of grammar, focusing on shaping sentences, paragraphs, and longer discourses for rhetorical effect, elegance, clarity, readability, and coherence. Students will gain practical abilities to edit their own and others prose.

ENGL 2600 – Critical Introduction to Literature (HU) **3 cr**
Course introduces and analyzes various genres of literature in light of a variety of critical and theoretical approaches.

ENGL 2610 – Diversity in American Literature (HU, DV) **3 cr**
Prereq: ENGL 1010 w/C grade or better. Course interrogates historical, political and cultural ideas suggested and sustained within representative American texts, some classic, others newly emerging. Materials include both traditional and popular readings.

ENGL 2630 – Global Literatures **3 cr**
This course surveys literature from all parts of the world with a goal to promote an understanding of global/international literary works in their cultural/historical contexts and with an understanding of the enduring human values that unite different literary traditions.

ENGL 2700 – Introduction Critical Theory **3 cr**
Prereq: ENGL 2600. This course outlines, and challenges, the central orthodoxies of cultural criticism in the 20th century. Includes linguistics, Marxism, feminism, and various post-structuralisms. Includes film and pop-cultural texts. .

ENGL 2710 – Introduction to Folklore (HU) **3 cr**
Study of the importance of ordinary people and their constructions of cultural meanings. Popular creation of material goods, oral traditions, customs, and meaning-making are examined through numerous academic and hands-on methods.

ENGL 2740 – Introduction to Women`s Studies (HU) **3 cr**
Surveys the cultural and social forces that have determined women's place in society. Women's issues are examined within cultural, social and political contexts that influence ideologies of gender and power.

ENGL 2760 – Gender and Cultural Studies(HU,DV) 3 cr
Examines texts (literature, film, theory) to understand social constructs in the US. Studies the power of language to preserve cultural values and reinforce imbalances of power based on gender as well as race, class, and sexual orientation, etc.

ENGL 2810 – Native American Literature & Experience (HU,DV) 3 cr
Prereq: ENGL 1010 w/C grade or better. This course explores Native American Experiences, including a survey of histories, literatures, cultural patterns and contemporary experiences, examined within the framework of cross-cultural interactions and competing world views.

ENGL 2830 – Diverse Women Writers (HU,DV) 3 cr
Course examines the range of US women's voices and explores how racism, sexism, and cultural imperialism affect identity formation and relations between the powered and the disempowered.

ENGL 2850 – GLBT Studies (HU, DV) 3 cr
Intro to postmodern and queer theories of societal gender construction as seen in literature and film, beginning with the history of heterosexism and questioning modern US society's treatment of Gay, Lesbian, Bisexual, and Transgendered people. ENROLLMENT IN THIS COURSE IMPLIES NOTHING ABOUT THE STUDENT'S SEXUAL ORIENTATION.

ENGL 2900 – Special Topics in English 1 - 3 cr
In depth study of a particular topic in English Studies. It involves readings, discussion, research, and intensive writing.

ENGR 1030 – MATLAB Problem Solving 3 cr
Prereq: MATH 1060 or 1080. An introduction to engineering problem-solving using MATLAB. Course work includes interactive computing, data analysis, and graphics.

ENGR 1040 – Engineering Computing 3 cr
Prereq: MATH 1060 or 1080 (either can be taken concurrently). A first course in engineering problem solving, this course introduces MATLAB and C++. Problems are drawn from the various disciplines in engineering. No previous experience with computer programming is assumed.

ENGR 1050 – Introduction to Nanotechnology (ID) 3 cr
Nanoscience sits at the intersection of the basic scientific disciplines. This technology has far reaching implications in healthcare, environment, business, and society, and has wide ranging ethical impacts in the world today. This course introduces the basic concepts of Nanoscience and explores how it is changing our world.

ENGR 2900 – Special Topics in Engineering 1 - 3 cr
Special Topics reflecting items of current interest in Engineering.

ENGR 2950 – Engineering Forum **1 cr**
Exploration of Engineering through Guest Lecturers and Field Trips to industry.

ENVT 1010 – Race to Save Planet (ID) **3 cr**
Interdisciplinary elective giving students an understanding of the connections between people and the environment. Environmental problems from Utah and around the world are discussion issues. Course may be taught with a Service Learning component.

ENVT 2200 – Laws/Policy for Sustainability **3 cr**
Prereq: ENVT 1010. Explore the laws and policies in the US which affect sustainability. Discuss policies and applications for sustainability includes a project connecting laws, regulations, policies, treaties and science to a major sustainability issue.

ESL 1010 – College Listening and Speaking **7 cr**
Prereq: LOEP>72/ TOEFL 133-172/>450. Prepares students to participate in college classes. Note taking from college lectures, student presentations, are covered.

ESL 1020 – College Reading and Writing **8 cr**
Prereq: LOEP>72/TOEFL 133-172/>450. Course includes comfort and fluency in writing, academic essays, college textbook reading, and vocabulary building.

ESL 1030 – ESL Conversation **3 cr**
Prereq: LOEP>72/TOEFL 133-172/>450. Helps students improve general English conversation skills through intensive practice.

ESL 1040 – ESL Grammar **3 cr**
Prereq: LOEP>72/TOEFL 133-172/>450. Provides instruction and practice in the accurate use of English grammar, including verb tenses, articles, word order, sentence connections, adverbials, and prepositions.

ESL 1050 – ESL Vocabulary **3 cr**
Prereq: LOEP>72/TOEFL 133-172/>450. Encourages students to increase their vocabulary and to accurately use academic and conversational words and idiomatic phrases in speaking and writing.

ESL 1060 – ESL Pronunciation **3 cr**
Prereq: LOEP>72/TOEFL 133-172/>450. Assist students in improving all levels of pronunciation, including individual sounds, word stress and sentence intonation.

ESL 1070 – TOEFL Preparation **3 cr**
Prepares student to take the Test of English as a Foreign Language.

ESL 1080 – Business English for ESL **3 cr**
Prereq: LOEP>72/TOEFL 133-172/>450. Introduces students to the proper use of English in business situations, including job interviews and resume writing.

ESL 1090 – American Culture & Citizenship **3 cr**
Prereq: LOEP>72/TOEFL 133-172/>450. Provides students with instruction in the culture and history of the United States for general preparation and in preparation for the US citizenship test.

ESL 1900 – Special Studies - ESL **4 cr**
Seminars and workshops for students learning English as a Second Language.

EST 1101 – Basic Esthetics Lab I **6 cr**
Coreq: EST 1110. First of two labs. Practice and experience in facials, facial massage and treatments, body and facial waxing, pedicures/manicures, intro to lymphatic drainage, make-up, lash/brow tinting, Level I esthetics.

EST 1110 – Basic Esthetics Theory I **4 cr**
Theory of esthetics includes anatomy, physiology, histology facials, facial massage and treatments, body and facial waxing, pedicures/manicures, make-up, and lash/brow tinting.

EST 1201 – Basic Esthetics Lab II **6 cr**
Coreq: EST 1210. Second of two labs. Practice and experience in facials, facial massage and treatments, body and facial waxing, pedicures/manicures, intro to lymphatic drainage, make-up, lash/brow tinting, all aspects of Level I esthetics.

EST 1210 – Basic Esthetics Theory II **4 cr**
Theory of esthetics including Chemistry for the Esthetician, Cosmetic Chemistry, Basic of Electricity, Product selection and ingredients, Estheticians industry overview, Make up, Salon spa business, Selling products and services, Career Planning.

EST 1301 – Master Esthetician I Lab **6 cr**
Coreq: EST 1310. The first lab in a series of two that teach Advanced Esthetic competency to fulfill the requirements mandated by the State of Utah to sit for the Master Esthetics License examination.

EST 1310 – Master Esthetician I **4 cr**
Prereq: Proof of Cosmetology/Barbering License or Basic Esthetician License from the State of Utah. The first in a series of two classes that teach advanced esthetic competency to fulfill the requirements mandated by the State of Utah to sit for the Master Esthetics License examination.

EST 1401 – Master Esthetician II Lab **6 cr**
Prereq: EST 1310 and EST 1301. Coreq: EST 1410. The second lab in a series of two that teaches advanced esthetic competency to fulfill the requirements mandated by the State of Utah to sit for the Master Esthetics License examination.

EST 1410 – Master Esthetician II **4 cr**
Prereq: EST 1310 and EST 1301. The second class in a series of two, that teaches advanced esthetic competency to fulfill the requirements mandated by the State of Utah to sit for the Master Esthetics License examination.

EST 2900 – Independent Study **1 - 16 cr**
Prereq: EST 2400, 2410, 2500, 2510, 2600 and 2610. Students needing additional clock hours after completing required course work can register for 1-16 credits of EST 2900 (1 credit equals 30 clock hours).

ETHS 2410 – African American Culture (SS, DV) **3 cr**
Intro to historical, political, social and cultural experiences of African Americans in U.S. society including the impact of privilege and discrimination; use of social work frameworks to increase competency in complex cultural and community issues.

ETHS 2420 – Asian American Culture (SS,DV) **3 cr**
Intro to historical, political, social and cultural experiences of diverse Asian Americans in U.S. society including the impact of privilege and discrimination; use of social work frameworks to increase competency in complex cultural and community issues.

ETHS 2430 – Mexican American Culture (SS,DV) **3 cr**
Intro to historical, political, social and cultural experiences of Mexican Americans in U.S. society including the impact of privilege and discrimination; use of social work frameworks to increase competency in complex cultural and community issues.

ETHS 2440 – Native American Culture (SS, DV) **3 cr**
Intro to historical, political, social and cultural experiences of Native American groups in U.S. society including the impact of privilege and discrimination; use of social work frameworks to increase competency in complex cultural and community issues.

EVNT 1010 – Introduction to Event & Meeting Planning **2 cr**
This introductory online course acquaints students with the common components of well executed meetings and events. This course introduces site selection, food & beverage, audio visual, contracts, industry overview and career possibilities.

EVNT 1100 – Site Selection/Negotiation/Law **1 cr**
This course outlines the key elements to successful site selection, negotiation issues/techniques, contract provisions/analysis and diverse industry contracts. Legal issues unique to the meeting industry will be identified.

EVNT 1200 – Transportation & Housing **2 cr**
The logistics of air and ground transportation and hotel arrangements will be discussed. Students will learn trade strategies to make informed decisions leading to a successful meeting experience.

EVNT 1300 – Event Registration **2 cr**
This course introduces students to the various registration systems and keys to selecting the best registration method. Students will learn the process to make informed decisions.

EVNT 1400 – Food and Beverage Management **2 cr**
Learn a systematic approach to evaluating meeting objectives and group needs as they relate to menu design, pricing structures, guarantee strategies, negotiation items and overall information about food and beverage services.

EVNT 1500 – Hotel Sales & Operation **2 cr**
This online course introduces students to the principles and procedures of hotel sales and operation by taking part in learn-by-doing activities. Networking, building internal and external relationships and selling techniques will also be taught.

EVNT 1600 – Special Events **2 cr**
Students will be provided with the tools needed to hold effective special events. Venues including meetings, conferences, exhibits, fairs, trade shows, international events, weddings, etc. will be addressed.

EVNT 1700 – Non-Profit Event Planning **2 cr**
This online course focuses on planning successful special events for non-profit organizations. Students will explore fund-raising breakfasts, black tie galas, festivals, auctions, golf tournaments, fashion shows, concerts and soirees.

EVNT 1800 – Budgeting for Event Planners **1 cr**
This online course introduces students to the essential tools needed to prepare a budget for events of all sizes, information gathering, analyzing goals/objectives and preparing and communicating presentations to clients.

FA 1080 – Basic Metal Sculpting (FA) **3 cr**
Enable students to develop and appreciate the human imagination and understand the value of personal creativity through metal sculpting using welding techniques and design.

FA 1090 – Bridging the Arts (FA) 3 cr
Course examines the interconnectedness of art, dance, music and theatre by investigating the artistic elements and common threads within the creative process to develop an informed appreciation for one's own artistic values.

FASH 1010 – Introduction to Fashion 3 cr
Students will gain a general understanding of the many facets of the fashion industry including career opportunities and specialization areas such as history, merchandising, design, fashion coordinating and textile technology.

FASH 1100 – Pattern Drafting Essentials 3 cr
Prereq: Knowledge of basic sewing helpful. This technical course introduces the theory and application of flat pattern drafting. Students learn to draft various components of garments and to construct muslin samples from drafted pattern from sketch.

FASH 1150 – Pattern by Measurements 3 cr
Prereq: Knowledge of sewing helpful. Students will learn to create patterns for individuals of all shapes and sizes with fewer fittings.

FASH 1200 – The Art of Fashion 3 cr
Review of the social, psychological and economic aspects of fashion from a historical perspective. Students will examine styles and approaches to fashion in contemporary culture.

FASH 1210 – Fashion Illustration I 3 cr
Students will learn to draw articles of clothing in correct proportion using a guide figure. They will learn to illustrate textures and the use of color to graphically illustrate individual designs.

FASH 1240 – Fashion Buying and Management 3 cr
This class will explore all aspects of buying and management as they relate to the fashion industry. The class focus includes pricing, planning assortment, customer service, selling skills and inventory issues.

FASH 1250 – Textiles 3 cr
Students will learn the process of fabric construction; analyze fibers, yarns, fabrics, finishes, and the fabric choices in the design of clothing.

FASH 1260 – Fashion Forecasting 3 cr
Students will learn how to predict trends in fashion by evaluating popular designer collections, surveying fashion publications, catalogs and design services, researching sales statistics and studying market conditions.

FASH 1300 – Visual Merchandising **3 cr**
An introduction to the principles and elements of design as it relates to merchant displays. Students will create displays emphasizing line, balance, color and harmony.

FASH 1320 – Apparel Analysis **3 cr**
An overview of the apparel production cycle: how apparel products are designed, created and distributed. Style terminology, sizing, price points, fabric choices, sustainability and other factors in apparel production are discussed.

FASH 1350 – History of Costume **3 cr**
A study of historical fashion from 4000 BC to the 20th century and how that history affects current fashion design.

FASH 1370 – 20th Century Fashion **3 cr**
Prereq: FASH 1350. This course is designed for students to gain an appreciation for the fashions and fashion icons of the 20th Century and their impact on current fashion trends.

FASH 1400 – Copyrights For Creative Professionals **1 cr**
This introductory short course focuses on U.S. copyrights given to creative individuals who produce visual, musical, literary works of art or performing arts. The course also covers licensing and trademarking.

FASH 1420 – Sales Promo For Creative Professionals **2 cr**
This introductory short course will introduce basic sales and self-promotional principles and techniques specifically tailored for creative artists.

FASH 1440 – Build Creative Business **2 cr**
This introductory short course will introduce basic business structures and examine the process of setting up a business for creative professionals working in the areas of music, the many forms of visual design, fine art, animation, film and video, and the literary arts.

FASH 1500 – Beginning Sewing **3 cr**
Students begin their knowledge of construction techniques through demonstration, sample book of skill building construction techniques and two sewn projects.

FASH 1505 – Intermediate Sewing **3 cr**
Prereq: FASH 1500 or instructor approval. This class teaches students intermediate-level sewing techniques through a combination of practical exercises and the creation of skill-building samples and finished garments including cuffs, collars, and plackets.

FASH 1550 – Alterations **3 cr**
Prereq: FASH 1500 or knowledge of basic sewing. Students will learn techniques necessary to alter ready-made garments, preparing them for employment in retail stores and theater costume shops.

FASH 1610 – Knitwear Design **3 cr**
Prereq: FASH 1100. Students will learn construction techniques for making knit garments.

FASH 1630 – Outerwear & Performance Apparel **3 cr**
Prereq: FASH 1505, FASH 1100 and FASH 1660. A study of special techniques will enable students to understand the construction of specialized apparel used in cold climates.

FASH 1640 – Millinery **3 cr**
Prereq: FASH 1500 or basic knowledge of sewing. Students will work with felt and straw using hat blocks. Students will also learn couture finishing techniques free form sculpting using steam and added objects to create shape.

FASH 1650 – Embellishments **2 cr**
A study of embellishment techniques for clothing including decorative machine stitching, appliqué, piping, beading and other fabric embellishments.

FASH 1660 – Pattern Drafting Procedures **3 cr**
Prereq: FASH 1100. This course is a continuation of FASH 1100. Students will draft their own basic pattern set and use this set as the basis for actual product construction.

FASH 1670 – Intimate Apparel & Swimwear **3 cr**
Prereq: FASH 1610. This course introduces students to the construction techniques involved in the development of intimate apparel products. Students create a prototype from a sloper, using professional sewing methods and application techniques. This is the Advanced Knitwear class.

FASH 1680 – Digital Pattern Making **3 cr**
Prereq: FASH 1100. This course introduces the students to computer pattern making. They will learn to transfer pattern drafts to computer with industry standard software.

FASH 1700 – Tailoring Techniques **3 cr**
Prereq: FASH 1505. Overview of the techniques that are applied to the construction of suits and coats. Students will learn how to select fabrics for specific garments, alter patterns for proper fit, and construct a tailored jacket.

FASH 1850 – Fashion Show Production **4 cr**
Students will learn the processes and procedures of producing fashion shows. The class will culminate with the production of a fashion show featuring original designs from FASH 2400 students.

FASH 1900 – Special Projects **1 - 3 cr**
Prereq: Instructor approval. Students will have the opportunity to specialize in areas that are not available in class format. Students, with instructor approval. and supervision will work on individual projects.

FASH 1950 – Corset Making Techniques **3 cr**
Prereq: FASH 1505. Students learn different components of making a corset including; spiral boning and placement, coutil underlining, grommets, tipped lacings, bias binding techniques, bias making tools and couture style hand finishing techniques.

FASH 2000 – Fashion Internship **3 cr**
Prereq: FASH 1100 and FASH 1505. Students will have the opportunity to work as interns in the fashion industry as patternmakers, designers, and fashion merchandisers. They will work under the combined supervision of an on-site supervisor and an SLCC instructor.

FASH 2030 – Advanced Sewing **3 cr**
Prereq: FASH 1505. Students will learn to master the necessary construction skills to produce professional quality garments.

FASH 2050 – Pattern Alterations and Fit **3 cr**
Prereq: FASH 1100 and FASH 1505. Pattern Alterations and Fit is designed to teach the techniques in fitting readymade garments correctly, and altering patterns to fit each individual body according to their measurements and body type before the garment is constructed.

FASH 2100 – Draping Fundamentals **3 cr**
Prereq: Knowledge of basic sewing helpful. Three-dimensional draping approach to executing garment design. Through critiqued design development on the dress form, students develop their own sense of proportion, silhouette, line, style while exploring current market trends.

FASH 2150 – Draping Fundamentals **3 cr**
Prereq: FASH 1505 and FASH 1210. Three-dimensional draping approach to executing garment design. Through critiqued design development on the dress form, students develop their own sense of proportion, silhouette, line, style, while exploring current market trends.

FASH 2220 – Fashion Illustration II **3 cr**
Prereq: FASH 1210. Students will develop their own style of illustration and broaden their knowledge of professional designers and illustrators. Students will learn Adobe Illustrator and Photoshop for fashion design.

FASH 2280 – Bridal Design / Evening Wear **3 cr**
Prereq: FASH 1505 and FASH 1660. Students will learn the art of Bridal and Eveningwear Dressmaking in a methodical, step-by-step fashion that will culminate in a finished garment.

FASH 2300 – Design Outreach **3 cr**
Prereq: Instructor approval. Students will design clothing, create patterns, and sew a fashion collection that will be sold in a local retail boutique shop.

FASH 2350 – Costuming **3 cr**
Prereq: FASH 1350, FASH 1505 and FASH 2010. Overview of techniques applied to the construction of costumes for the theater. Students will participate in all aspects of costume preparation, including: alterations, pattern making, fittings, construction, and accessories.

FASH 2410 – Collection Development **3 cr**
Prereq: FASH 1505, FASH 1220 and FASH 2100. This course is for second year students. Students make an initial selection of color and fabric, develop design ideas, and determine the fashion direction of their collections for the Raw Couture Fashion Show.

FASH 2440 – Collection Production **3 cr**
Prereq: FASH 2410. This course is for second year students. Students continue to develop a collection for our fashion show, perfect muslin samples of their designs, begin construction of garments, and fit finished garments on a professional model.

FASH 2450 – Portfolio Development **3 cr**
Prereq: Instructor approval. Focus on the process of evaluating portfolios. Students will create a portfolio that can be used for employment interviews or applications for advanced education.

FASH 2500 – Fashion Entrepreneurship **3 cr**
Prereq: Instructor approval. Students will explore entrepreneurial opportunities and learn business skills necessary to succeed as small business owners in the apparel and sewn products industry.

FASH 2550 – Fashion Production & Sourcing **3 cr**
Prereq: FASH 2450 and FASH 2500. Emphasis is on creating a sample, negotiating, developing, merchandising, producing the sample, and analyzing the choices for materials and garment construction, and how choices affect the price of a garment.

FHS 0010 – Introduction to Early Childhood Education Lab **0 cr**
Coreq: FHS 2500, 2600, or 2620. A lab experience in which students complete two or more hours per week (depending on concurrent course) of supervised interaction with children in the Eccles Lab School.

FHS 0011 – Child Guidance - Lab **0 cr**
Coreq: FHS 2610. A lab experience in which students complete two hours per week of supervised interactions with children in the Eccles Lab School.

FHS 1230 – Adolescent Growth & Development **3 cr**
Studies the growth and development of adolescents. Principles and issues that affect adolescents' daily lives in the home, school, and society are discussed.

FHS 1500 – Lifespan Human Development (SS) **3 cr**
Fundamentals of growth and development from preconception to old age and death are explored. The domains of physical, cognitive, and social-emotional growth for each age in the life cycle are explored in a variety of contexts.

FHS 1900 – Individual Studies in FHS **1 - 3 cr**
Prereq: Instructor approval. Students plan areas of study, Service Learning, or travel and work with an instructor on an individual basis. The course may involve readings, discussion, research, service learning, intensive writing, or other skills deemed appropriate.

FHS 2000 – Co-op Education in FHS **1 - 2 cr**
Prereq: Instructor approval. This course is designed to accommodate the needs of students who are working at least 20 hours per week in a professional environment that provides direct care to young children. Credit varies (1-2 hours).

FHS 2020 – Special Studies-CDA Completion **3 cr**
Individuals who have been awarded the CDA Credential will be awarded credit.

FHS 2300 – Administration of E. C. Programs **2 cr**
This class examines basic management principles in directing a preschool or child care program. Budgeting, personnel, licensing and building issues are examined.

FHS 2400 – Marriage and Family Relations (ID) **3 cr**
Introduction to marriage and the family. Personality, interpersonal relations, and society are examined within the context of the family life cycle. Emphasis is placed on the impact of societal and personal choices on the family.

FHS 2450 – Introduction to Human Sexuality (ID) **3 cr**
Integration of biological, behavioral, and socio-cultural factors in human sexuality and relationships. Personal and social-sexual issues as they relate to decision-making concerning sexual behavior and sexual health are explored.

FHS 2500 – Child Development: Birth-Eight **3 cr**
Prereq: FHS 1500, FHS 2600, and FHS 2610 (can be taken concurrently) w/C grade or better. Coreq: FHS 0010. The study of child development. Emphasis on curriculum development and developmentally appropriate practices. Methods of teaching children are examined and practiced. Includes observation and participation in a supervised lab experience.

FHS 2550 – Infant and Toddler Development **3 cr**
The total development of the infant from birth to 24 months. Emphasis on observation, assessment, developmentally appropriate practices and professional infant care. Research on experimental learning will be reviewed.

FHS 2570 – Growth & Development of Children 6-12 **3 cr**
Studies the growth and development of children ages 6 to 12 years. Principles and issues that impact the child's daily life in the home, school, and community are discussed.

FHS 2600 – Introduction to Early Childhood Education **3 cr**
Coreq: FHS 0010. An introduction to the field of Early Childhood Education. The basics for shaping curriculum for young children are introduced. Observation and participation in a supervised lab experience (FHS 0010) is a key element of the course.

FHS 2610 – Child Guidance **3 cr**
Coreq: FHS 0011. This is an introduction to effective strategies for guiding children in individual and large group settings. It includes observations and participation in a supervised lab.

FHS 2620 – Creative Learning **4 cr**
Prereq: FHS 1500, 2500, FHS 2600, and FHS 2610, all w/C grade or better. Coreq: FHS 0010 (a specified section of FHS 0010 must be taken with this course please contact the department for more information). Capstone course for FHS AS degree. Emphasizes creative process in planning, implementing curriculum and self discovery. Assessment, home and school communication, professional ethics included. Department capstone project and e-portfolio required. Two weekly labs required.

FHS 2640 – Home, School & Community Relations **3 cr**
The relationship between home, school and the community are explored. Emphasis is placed on building effective communication between parents and teachers.

FHS 2645 – E.C. Integrated Curriculum **3 cr**
Provides students with a practical framework for building effective and meaningful curriculum for young children. Students will study, participate in and practice methods in planning and implementing an integrated early childhood curriculum.

FHS 2800 – Practicum Teaching **5 cr**
Prereq: FHS 2500, FHS 2620 (can be taken concurrently), and instructor approval. Coreq: FHS 2820. Supervised classroom practicum experience in the Eccles Lab School. In collaboration with lead teacher, students plan and implement lesson plans and activities for a large group of children. Community placement module included.

FHS 2820 – Teaching Seminar **2 cr**
Prereq: FHS 2500, FHS 2620 (can be taken concurrently), and instructor approval. Coreq: FHS 2800. Examines child development concepts and how they apply to teaching young children. Focuses on building teaching competencies. Seminar format. Discussion of strengths and challenges associated with practicum teaching experience.

FHS 2900 – Special Topics in FHS **1 - 3 cr**
An in depth study of a particular topic in early childhood, family or human studies. The course may involve readings, discussion, research, intensive writing or other skills deemed appropriate. Course may be taught with a Service Learning component.

FIN 1050 – Personal Finance (ID) **3 cr**
Study of financial skills essential for economic success. Subjects: Financial planning, financial services, income taxes, consumer buying, insurance, retirement planning and estate planning.

FIN 1210 – Principles of Banking **2 cr**
Evolution of American banking; deposit, credit and payment functions; loans and investment; liquidity, safety and income; bank language, documents, accounting and pricing; regulation and examination; personnel, marketing and security; trust services.

FIN 1380 – Financial Mathematics (QS) **3 cr**
Prereq: MATH 0990 or appropriate Accuplacer score. This course studies time value of money applications in both business and individual settings. Topics include simple and compound interest, annuities, installment loans, savings programs, and APR, APY, NPV, IRR calculations.

FIN 2000 – Finance and CO-OP Education **1 - 3 cr**
Prereq: Minimum 2.0 GPA with 20 hours/week study-related work. This is supervised work experience in business, industrial, or governmental environment related to the program major. Credit is awarded for completion of specific new learning objectives related to the job and program major.

FIN 2040 – Financial Management **3 cr**
Prereq: ACCT 2020. This course studies concepts essential to business success. Planning and analysis, leverage, asset management, stock valuation, and debt financing are all examined. Problem-solving with financial calculators and computer applications is taught.

FIN 2100 – Introduction to Investments **3 cr**
Recommended prereq: FIN 1050. Process of investing; goal setting, risk-return, diversification and asset allocation. Study of available investment vehicles, functions of financial markets, investment techniques/strategies. Taxes, insurance, and estate planning.

FIN 2150 – Mutual Funds **3 cr**
Recommended prereq: FIN 1050. Mutual funds are a widely-held investment product. Topics include financial intermediaries, marketing to investors, portfolio management, technology and internationalization. Case studies are used for analysis.

FIN 2200 – Personal Financial Plan **3 cr**
Recommended prereq: FIN 1050. Real-life case studies; questioning and decision making; basic principles of financial planning, cash budgets, taxes, management of assets and debts; insurance review (life, health, property and liability), major investment vehicles, retirement and estate planning.

FIN 2210 – Credit and Collections **3 cr**
Recommended prereq: ACCT 1110 or ACCT 2010. Business and consumer credit; credit management, developing credit information, financial systems analysis, decision making, collection practices and procedures; credit reporting agencies, department organization and policies, international trade credit, government use and regulations.

FIN 2220 – Financial Statement Analysis **2 cr**
Prereq: ACCT 1120 or 2010 (can be taken concurrently) and FIN 2210 (can be taken concurrently). Analysis of company financial statements to identify and evaluate credit risk. Analysis leads students to conclusions about a firm's financial condition and credit worthiness.

FIN 2240 – Credit Law **2 cr**
Recommended prereq: FIN 2210. Legal aspects of credit and collections. Subjects: Credit laws, civil procedure, secured claims and bankruptcy.

FIN 2600 – Securities Trading I **3 cr**
Recommended prereq: FIN 1050. Analysis, application and practice of trading philosophy, trading planning, trading rules, technical analysis, fundamental analysis, and portfolio analysis in the stock, options, currency and commodities markets.

FIN 2950 – Executive Lectures I **1 cr**
Corporate, industry, and government leaders share their experiences in finance, management, and economics. Students benefit from wisdom acquired through practical business experience and learn about events affecting local and national businesses/economies.

FIN 2960 – Executive Lectures II **1 cr**
Prereq: FIN 2950. Similar to Executive Lectures I, but usually taken one year later; therefore, some speakers and topics change, as do local and national business and economic conditions.

FIN 2990 – Special Studies in Finance **1 - 3 cr**
Prereq: Instructor approval. Under the supervision of the instructor, students develop and follow an individualized curriculum.

FLM 1023 – Introduction to Film (FA) **4 cr**
Introduces students with no previous film training to historical, technical, and aesthetic developments of film within its cultural context. Film genres examined. Some materials presented are R-rated. Also listed as THEA 1023.

FLM 1045 – Beginning Film Production **6 cr**
An intensive workshop experience in which students, crewing in their area of specialization, complete the shooting and post-production of projects up to 15 minutes in length. Required for film majors.

FLM 1055 – Intermediate Film Production **6 cr**
Prereq: FLM 1045. An intensive workshop experience in which students complete pre-production building toward a final project which they will cast, staff, and shoot, producing a 15 to 20 minute short film. Required for film majors.

FLM 1070 – Film and Culture (FA, DV) **4 cr**
Course intended to raise diversity awareness through aesthetic, critical, and interdisciplinary examination of our American Cultural Identity through film. Presents film as an art form, as an industry, and ultimately a system of cultural representation and communication.

FLM 1075 – Screenwriting **3 cr**
Introduces professional screenwriting techniques, with focus on properly formatting screenplays for film, including narrative style projects. The student will be required to develop a script using professional screenplay software.

FLM 1080 – Music In Film **2 cr**
Prereq: FLM 1023 or concurrently, or instructor approval. Instruction and discussion in the role of music in film. Students will examine the scores of historical and present-day films to learn different approaches to film scoring and the different roles music can play in film, and will learn about the process of creating music for film from the spotting session through the final audio mix.

FLM 1100 – Acting for the Camera I **1 cr**
Acting for the camera focuses on discovering and developing strong acting techniques common to both stage and camera, on the relationship between actors and directors, and on developing basic camera techniques.

FLM 1101 – Acting for the Camera I Lab **3 cr**
This lab course allows for practice time in both solo and interactive performances for the camera.

FLM 1110 – Voice & Speech for the Actors **3 cr**
Principles of diction, voice development and improvement, vocal variety and expressiveness. Focus on various aspects of using the voice effectively including volume and projection, rate and phrasing, inflection, and resonance.

FLM 1200 – Acting for the Camera II **1 cr**
Prereq: FLM 1100. Hands-on study of the camera actor's craft. Emphasis on more advanced camera acting theories, auditioning techniques, practice of various camera techniques and the study of methods used by Film/TV actors.

FLM 1201 – Acting for the Camera II Lab **3 cr**
Prereq: FLM 1101. This lab course allows for practice time in both solo and interactive performances for the camera.

FLM 1300 – Money & Creative Professionals **1 cr**
Basic financial information for creative professionals or students interested in freelance work or setting up a studio. This course is useful for artists working in the areas of fine art, the many forms of design, photography, film/video, music, advertising, the performing arts and creative or technical writing.

FLM 1400 – Copyrights For Creative Professionals **1 cr**
This introductory short course focuses on U.S. copyrights given to creative individuals who produce visual, musical, literary works of art or performing arts. The course also covers licensing and trademarking.

FLM 1420 – Sales Promo For Creative Professionals **2 cr**
This introductory short course will introduce basic sales and self-promotional principles and techniques specifically tailored for creative artists.

FLM 1440 – Build Creative Business **2 cr**
This introductory short course will introduce basic business structures and examine the process of setting up a business for creative professionals working in the areas of music, the many forms of visual design, fine art, animation, film and video, and the literary arts.

FLM 1515 – Basic Audio Production **3 cr**
A broad overview of sound, sound systems, recording, and live sound reinforcement providing basic training in the physics of sound and the hardware and systems used to control and record it. No prerequisites.

FLM 1800 – Digital Media Essentials **4 cr**
Intro to software and hardware used to create multimedia productions. Hands-on experience using hardware, software to create 2D/3D graphics, sound, animation, and video. Discussion of the multimedia market, copyright, and ethics in mass media.

FLM 1900 – Independent Studies **1 - 2 cr**
Prereq: Instructor approval. Students will plan their areas of study, performance and/or technical work with full-time instructor on an individual basis.

FLM 2015 – Film Directing **4 cr**
Prereq: FLM 1045 w/C grade or better or instructor approval. This course teaches film directing techniques and theory. Students will explore film directing history; film terminology, language and grammar; and story structure and basic acting theory. Students will: perform script analysis; prepare a shot list; diagram and block a scene; learn and exhibit methods to shoot and cover a scene; understand how to work with actors; learn to work with departments and crew

FLM 2045 – Commercial Film Production **4 cr**
Prereq: FLM 1045 and FLM 1055 both w/C grade or better. This course presents professional instruction in digital, industrial, and commercial production techniques for Film and broadcast. Required for film majors.

FLM 2065 – Motion Picture Sound **4 cr**
Prereq: FLM 1515. Sound as a creative tool for enhanced story telling in film production. Use of proper equipment and techniques for acquisition of production sound; tools techniques and practices of audio post production.

FLM 2200 – Introduction to Film Criticism **4 cr**
Prereq: THEA 1013, THEA/FLM 1023, or THEA/FLM 1070. Film or theatre majors explore in-depth critical aspects of film including aesthetic and technical developments that have influenced film from its inception to present day. Students will view key films. Some R-rated films presented.

FLM 2510 – Advanced Video Production Documentary **4 cr**
Prereq: COMM 2200 or FILM 1055. Provides advanced video production experiences for students who already have significant video production experience. Students work alone to produce short format documentary films and in groups to produce long format film projects.

FLM 2715 – Cinematography **4 cr**
Prereq: FLM 1045 or instructor approval. This course covers advanced lighting techniques and camera technology for digital cinematography. Through lab demonstrations, studio projects and location settings, students will utilize professional motion-picture equipment to develop various compositional and technical skills. Digital camera equipment, lighting, filters, and other film technology will be explored.

FLM 2750 – Film Production Technology Internship **1 - 3 cr**
Prereq: Instructor approval. Students participate in Film Production internships through approved employers. Students learn practical work experience as it applies to their career in the Film Production Industry.

FLM 2800 – Film Acting for Directors **1 cr**
Coreq: FLM 2801. Course demystifies the actor's craft and develops a range of techniques through scene study, improvisations, exercises and script analysis. Techniques are invaluable to directors and writers.

FLM 2801 – Film Acting for Directors Lab **2 cr**
Prereq: THEA 1013, THEA/FLM 1023, or THEA/FLM 1070. Coreq: FLM 2800. This lab course provides practice time to focus on the principles discussed in FLM 2800.

FLM 2900 – Special Topics **3 - 4 cr**
Prereq: THEA 1013, THEA/FLM 1023, or THEA/FLM 1070. A course designed for students to explore specific areas of interest in a classroom setting.

FMTA 1110 – Maintenance Electricity I **5 cr**
Prereq: FMTA 1470 or MATH 1010 or appropriate Accuplacer score. Basic AC/DC Electricity course discussing terminology, circuits, testing equipment, troubleshooting, outlets, three way switching, single pole switching, repair/replacement, splicing wires, working knowledge of code, lighting, and electrical safety rules and procedures in lock-out tag-out. First Aid/CPR course.

FMTA 1120 – Maintenance Electricity II **5 cr**
Prereq: FMTA 1110. Continued training in industrial motor control principles and electrical magnetic controls, ladder diagramming and relay logic, reduced voltage starting, braking and speed control, symbols, design strategies, NEC codes, instrumentation, distribution and various control systems.

FMTA 1210 – Maintenance HVAC **5 cr**
Prereq: FMTA 1120. Includes safety, basic HVAC principles/practices, EPA refrigerant evacuation/reclamation Certification, basic refrigeration, basic heating, troubleshooting, tools, and equipment. Course work for RMGA Certification will be presented with testing optional.

FMTA 1220 – Maintenance Plumbing **5 cr**
Prereq: FMTA 1470 or MATH 1010 or appropriate Accuplacer score and FMTA 1210 or approval of Program Sponsor.

FMTA 1470 – Math for the Trades (QS) **5 cr**
Customized course in applied mathematics starting with whole numbers, formulas, fractions, decimals, algebra, geometry, and trigonometric functions.

FMTA 2310 – Maintenance Construction/Mechanic **5 cr**
Prereq: FMTA 1470 or MATH 1010 or appropriate Accuplacer score and Program Sponsor approval.

FMTA 2320 – Maintenance Pipefitting **5 cr**
Prereq: Approval of Program Sponsor.

FMTA 2410 – Maintenance Welding/Trowel Trades **5 cr**
Prereq: FMTA 1470 or MATH 1010 or appropriate Accuplacer score and Program Sponsor approval.

FRN 1010 – Beginning French I **5 cr**
First in a series of four courses which focus on listening, speaking, reading, writing and culture. Major objective of the first year is to develop functional language ability in the French culture. Lab attendance is required.

FRN 1020 – Beginning French II (LN) **5 cr**
Prereq: FRN 1010 or instructor approval. Second in a series of four courses which focus on listening, speaking, reading, writing and culture. Major objective of the first year is to develop functional language ability in the French culture. Lab attendance is required.

FRN 1300 – Beginning Conversation **1 cr**
Prereq: FRN 1010 or instructor approval. Course practices currently held conversation skills to increase speaking ability and vocabulary. Includes role-plays, small group work and presentations. Lab attendance may be required. May be repeated for credit.

FRN 1900 – Special Studies in French **1 - 2 cr**
Prereq: Instructor approval. In this course in language and culture, students plan areas of study, Service Learning or travel and work with an instructor on an individual basis. Some work may be done in groups. Lab may be required. May be repeated for credit.

FRN 2010 – Intermediate French I **4 cr**
Prereq: FRN 1020 or instructor approval. Third in a series of four courses which focus on listening, speaking, reading, writing and culture. Major objective of second year is to increase functional language ability. Emphasis is on proficiency. Lab attendance required.

FRN 2020 – Intermediate French II **4 cr**
Prereq: FRN 1020 or instructor approval. Second-year French courses increase functional language ability focusing on listening, speaking, reading, writing as well as increased focus on culture (philosophies, history, geography, literature, etc.) Lab attendance is required.

FRN 2300 – Conversation **1 cr**
Prereq: FRN 1020 or instructor approval. Course practices currently held conversation skills to increase speaking ability and vocabulary. Includes role-plays, small group activities and presentations. Lab attendance required. May be repeated for credit.

FRN 2700 – Introduction to Literature **3 cr**
Prereq: FRN 2020 or FRN 2010. Second year courses focus on improvement of listening, speaking, reading, writing and culture skills. Major objective is to increase functional language ability through holistic approach to literature. Lab attendance required.

FRN 2710 – Introduction to French Film **3 cr**
Prereq: FRN 1020 or instructor approval. Course will aid students in their study of language and culture. Films will be viewed with subtitles and written work and discussions will be in French. Lab attendance required.

FRN 2900 – Special Topics in French **1 - 3 cr**
This is a course designed by faculty which allows students to explore specific interests in French language and culture. Lab attendance is required. May be repeated for credit.

GEN 1000 – Genealogy Computer & Internet Tools **3 cr**
Introduction to genealogy computer programs and basic genealogy skills used to conduct research and document records with appropriate citations. Students will learn how to use internet tools for genealogy research. May take Department Challenge Exam in place of course.

GEN 1010 – Introduction to Genealogical Research **3 cr**
Prereq: Completion of GEN 1010 w/C grade or better or GEN 1010 Department Challenge Exam. Students explore record groups and repositories which contain 10 U.S. sources known to provide evidence linking families from students' lifetime to 1850 and solve research problems by evaluating evidence.

GEN 1011 – U.S. Record Groups **3 cr**
Prereq: Completion of GEN 1010 w/C grade or better or GEN 1010 Department Challenge Exam. Course will provide an in-depth study of sources, records, and methodologies not covered in GEN 0010 essential to documenting and verifying family history and genealogies within the U.S. and focusing on a time period prior to 1850.

GEN 1012 – International Record Groups **3 cr**
Prereq: Completion of GEN 1010 with a grade of "C" or better or GEN 1010 Department Challenge Exam. Students examine and use major international record groups in genealogical research. Paleography, record recognition and usage, research strategies, and usage of the international collections at various repositories will be covered.

GEN 1016 – Tracing Immigrant Origins **3 cr**
Prereq: Completion of GEN 1011 or 1012 w/C grade or better. Introduction to methodologies and practices to extend family genealogies beyond the U.S. to other countries by finding evidence in unique U.S. records to link localities to International locations.

GEN 1110 – Genealogy Writing & Publishing **3 cr**
Prereq: Completion of GEN 1016 w/C grade or better. Introduction to standards in genealogical writing, reporting, documentation and presentation of genealogical data. Students will also learn how to publish a family history in various medias.

GEN 1150 – Preparing for US Credentials **3 cr**
Prereq: Completion of GEN 1110 w/C grade or better. Students finalize an ICAPGen credentialing application, a 4-generation report (with record citations linked to original images and research planners, and an analysis of evidence), plus assemble a research portfolio, and take a practice exam.

GEN 1151 – Preparing for International Credentials **3 cr**
Prereq: Completion of GEN 1110 w/C grade or better. Students finalize international credentialing application, a 4-generation report (with record citations linked to original images and research planners, and an analysis of evidence), plus assemble a research portfolio, and take a practice exam.

GEO 1010 – Introduction to Geology (PS) **3 cr**
An introduction to the processes and materials that shape the earth. It includes mineral identification, map reading, deposition, volcanism, earthquakes, and continental drift.

GEO 1060 – Environmental Geology **3 cr**
Coreq: GEO 1065. This is the study of natural and man-made threats to human life and property. Their causes, preventions, and mitigation are covered.

GEO 1065 – Environmental Geology Lab **1 cr**
Coreq: GEO 1060. This course provides hands-on experience in the lab, the community, and the field with subjects covered in GEO 1060.

GEO 1110 – Physical Geology **3 cr**
Coreq: GEO 1115. This is a survey of the earth's crust and crustal physical processes, basic earth materials constituting the lithosphere and hydrosphere. Class is designed for Geology majors.

GEO 1115 – Physical Geology Lab **1 cr**
Coreq: GEO 1110. This is a laboratory experience in physical geology.

GEO 1220 – Historical Geology **3 cr**
Prereq: GEO 1110 and GEO 1115 Coreq: GEO 1225. Class covers physical and biological history of earth development of major structural and stratigraphic features; also an introduction to fossil record.

GEO 1225 – Historical Geology Lab **1 cr**
Coreq: GEO 1220. This twice per week class is to provide hands-on experience in the lab, the community, and the field with subjects covered in GEO 1220.

GEO 2350 – Field Studies in Geology **3 cr**
Prereq: Instructor approval. Course provides an introduction to geology field studies. Covers local geology, rock and mineral identification, map reading, structure recognition and relevant geologic processes.

GEOG 1000 – Earth's Surface Environments (PS) **3 cr**
This course examines the interrelationships of land, water, and atmosphere in the human environment. Location of features and countries is also emphasized.

GEOG 1300 – Regional Geography (ID) **3 cr**
The study of the cohesive elements that constitute the major cultural regions of the world. Course includes, but is not limited to the introduction and analysis of contemporary cultural, political, economic, and environmental issues.

GEOG 1400 – Human Geography (ID) **3 cr**
The thematic study of human activity (population, religion, language, migration, industry) and the global distribution of these activities.

GEOG 1700 – Natural Disasters (PS) **3 cr**
Course introduces natural disasters and the related energy and processes which cause them. An awareness of the impact on human activity is an integral component, investigating methods of prevention, preparation, and mitigation of damage.

GEOG 1780 – Remote Sensing of Earth (PS) **3 cr**
Using the geospatial technology of satellite imagery, this hands-on course will investigate land-cover patterns of the physical and social environment spatially and over time using remote sensing applications for analysis along with GIS and GPS.

GEOG 1800 – Geospatial Technology (ID) 3 cr
An investigation into how information can be acquired to analyze spatial patterns through the use of discipline related data, aerial photography, satellite imagery, GPS, and a strong emphasis on Geographic Info. Systems (GIS).

GEOG 1820 – Applied GIS I 3 cr
Prereq: GEOG 1800 or instructor approval. GIS analysis using geocoding, network analysis, geodatabase management, metadata, topology, primary and secondary source data, geospatial data formats, integrating GPS with GIS, and the ethics of geospatial information.

GEOG 1850 – Environmental Field Studies 3 cr
Prereq: GIS 1800 or concurrently, or instructor approval. GIS is applied to basic interpretation of the interrelationships inherent among the physical, cultural, and technological footprints of a region. Field study area may be at a local, national, or international scale.

GEOG 1900 – Special Projects 1 - 3 cr
Prereq: Instructor approval. With instructor as facilitator, students develop and pursue an individualized curriculum, using ArcView/GIS procedures. .

GEOG 2000 – Geography Co-Op 2 - 4 cr
Prereq: Instructor approval. Cooperative education represents flexibility and alternative opportunities for students to complete portions of their educational goals through new learning associated with study related internships/employment.

GEOG 2100 – Maps and Measurement 3 cr
Course provides basic cartographic skills, scale, grid systems, measurements, contour line/interpolation, aerial photos, remote sensing, surveying essentials, graphing, and other map interpretation skills.

GEOG 2200 – Urban and Environmental Issues (ID) 3 cr
Class investigates the effect of encroachment of the urban environment upon the natural environment, and the complexity of interrelationships at local, national, and global levels, to define the individual's role.

GEOG 2900 – Independent Projects 1 - 3 cr
Prereq: Instructor approval. Course provides an avenue for recertification/endorsements for teachers, or an opportunities for students with varying credit needs. Individual topics will be mutually defined by instructor and student. Course may be taught with a Service Learning component.

GEOG 2920 – Applied GIS II **3 cr**
Prereq: GEOG 1820 or instructor approval. Advanced GIS analysis using model building, 3D Analysis, Spatial Analysis, metadata, Python and Visual Basic, and basic remote sensing using ENVI. Addresses institutional aspects of geospatial technology in society.

GER 1010 – Beginning German I **5 cr**
First in a series of four courses which focus on listening, speaking, reading, writing and culture. Major objective of the first year is to develop functional language ability in the German culture. Lab attendance is required.

GER 1020 – Beginning German II (LN) **5 cr**
Prereq: GER 1010 or instructor approval. Second in a series of four courses which focus on listening, speaking, reading, writing and culture. Major objective of the first year is to develop functional language ability in the German culture. Lab attendance is required.

GER 1300 – Beginning Conversation **1 cr**
Prereq: GER 1010 or instructor approval. Course practices currently held conversation skills to increase speaking ability and vocabulary. Includes role-plays, small group work and presentations. Lab attendance may be required. May be repeated for credit.

GER 1900 – Special Studies in German **1 - 2 cr**
Prereq: Instructor approval. In this course in language and culture, students plan areas of study, Service Learning or travel and work with an instructor on an individual basis. Some work may be done in groups. Lab may be required. May be repeated for credit.

GER 2010 – Intermediate German I **4 cr**
Prereq: GER 1020 or instructor approval. Second-year German courses increase functional language ability focusing on listening, speaking, reading, writing as well as increased focus on culture (philosophies, history, geography, literature, etc.) Lab attendance is required.

GER 2020 – Intermediate German II **4 cr**
Prereq: GER 1020 or instructor approval. Second-year German courses increase functional language ability focusing on listening, speaking, reading, writing as well as increased focus on culture (philosophies, history, geography, literature, etc.) Lab attendance is required.

GER 2300 – Conversation **1 cr**
Prereq: GER 1020 or instructor approval. Course practices currently held conversation skills to increase speaking ability and vocabulary. Includes role-plays, small group activities and presentations. Lab attendance required. May be repeated for credit.

GER 2700 – Introduction to Literature **3 cr**
Prereq: GER 2010 or GER 2020. Second year courses focus on improvement of listening, speaking, reading, writing and culture skills. Major objective is to increase functional language ability through holistic approach to literature. Lab attendance required.

GER 2710 – Introduction to German Film **3 cr**
Prereq: GER 1020 or instructor approval. Course will aid students in their study of language and culture. Films will be viewed with subtitles and written work and discussions will be in German. Lab attendance required.

GER 2900 – Special Topics in German **1 - 3 cr**
This is a course designed by faculty which allows students to explore specific interests in German language and culture. Lab attendance is required. May be repeated for credit.

HCCA 1110 – Heavy Civil Carpenter 1A **5 cr**
Prereq: APPR 1470 or appropriate Accuplacer score. This course is an introductory course in heavy civil carpentry. Students will gain a basic knowledge of construction safety, hand and power tools, blueprint reading, and an introduction to concrete and related materials.

HCCA 1120 – Heavy Civil Carpenter 1B **5 cr**
Prereq: HCCA 1110. This course will provide students with knowledge and skills concerning the properties of concrete and an introduction to foundations and slab on grade methods, and techniques for reinforcing, handling and placing concrete.

HCCA 1210 – Heavy Civil Carpenter 2A **5 cr**
Prereq: HCCA 1120. This course provides students with an in-depth understanding of vertical and horizontal forms. An introduction to distance measurement and leveling as well as site layout is also presented.

HCCA 1220 – Heavy Civil Carpenter 2B **5 cr**
Prereq: HCCA 1210. This course introduces students to angular measurement techniques, welding techniques and practices, below-grade construction processes, and structural bridge building. Project management skills are also presented.

HIST 1100 – Western Civ. to 1300 (SS) **3 cr**
A survey of the development of Western Civilization to 1300. Special emphasis is placed on the cultural, economic, social and political contributions of ancient and medieval cultures in the Western civilization.

HIST 1110 – Western Civ Since 1300 (SS) **3 cr**
This is a survey of the development of Western Civilization since 1300. Special emphasis is placed on the cultural, economic, social, and political contributions of European culture.

HIST 1300 – Colonial Latin America (SS) 3 cr
This is a survey of Latin America from pre-Columbian times to an era of independence. Emphasis is placed on the continuum of Latin as well as native cultures. Covers Latin American History from colonization to independence in the 1820s focusing on the interaction of Europeans, Africans, Native Americans and the imposition of European institutions and culture on subject populations.

HIST 1310 – Modern Latin America(SS) 3 cr
This course surveys Latin America from the era of independence to the present. Examines the political, social and economic issues and their diverse influence in shaping contemporary Latin America.

HIST 1450 – Middle Eastern Civilization (SS) 3 cr
An introduction to the beginnings of civilization in river valleys of Mesopotamia and Egypt to the end of the 18th century. Emphasizes cultural and religious developments that contributed to modern Western European and Islamic civilizations.

HIST 1460 – Modern Middle Eastern Civilization (SS) 3 cr
Survey of Middle East from late 18th Century to present. Emphasis on interactions between the various religious and ethnic groups in region as they find ways to fit into modern world and respond to the rise of Western powers.

HIST 1500 – World History to 1500 (SS) 3 cr
This is a survey of the development of civilizations in the world to 1500. Special emphasis is placed on the cultural, economic, social and political contributions of each civilization.

HIST 1510 – World History Since 1500 (SS) 3 cr
This is a survey of the development of civilizations in the world since 1500. Special emphasis is placed on the cultural, economic, social and political contributions of World history.

HIST 1700 – American Civilization (AI) 3 cr
Prereq: RDG 0990. This course covers American History from the Pre-Columbian period to the present. It provides a thorough examination of the major social, political, and economic events, issues, and themes of the period. Course may be taught with a Service Learning component.

HIST 1900 – Special Studies in History 1 - 3 cr
Prereq: Instructor approval. Under the instructor's supervision, students develop and follow an individualized curriculum. Designed to allow students with special interests in a particular area of history to work with the instructor in creating a course and study plan. Course is research oriented.

HIST 2010 – Native American History & Culture **3 cr**
Recommended prereq: ENGL 1010. A survey of Native North Americans from earliest societies to the present. Students will examine all aspects of Native American culture including food production, economics, political systems, kinship, religion, art and other aspects.

HIST 2020 – Native Americans & the Environment **3 cr**
Examines historical and contemporary issues of Native American land use. Explores opposing views with information allowing critical assessment of issues. Folk and scientific resources will be used.

HIST 2030 – Native American Art History **3 cr**
An introduction to prehistoric, historic, and contemporary Native American art forms and the underlying philosophical belief systems of the artists. Topics are organized around geographical regions and cultural types.

HIST 2200 – Americanization (SS,DV) **3 cr**
Course focuses on challenges of diverse groups in their struggle for inclusion in US society. Politics and economics will be examined in the context of power structures that created privilege and how marginalized groups became privileged over time.

HIST 2600 – Native American Voices (SS,DV) **3 cr**
This course examines the history and diverse cultures of indigenous peoples in the U.S. from the pre-Columbian period to the present. The focus is on the perspective of the Native Americans as they experienced the imposition of European and American institutions and fought to survive and preserve cultural integrity and tribal sovereignty. It challenges common stereotypes and ethnocentric views.

HIST 2700 – U.S. History to 1877 (SS) **3 cr**
Provides a thorough examination of American History from the Pre-Columbian period through Reconstruction, with a focus on the challenges that diverse groups faced as they struggled for an inclusive place in American society.

HIST 2710 – U.S. History Since 1877 (SS) **3 cr**
American History is covered from Reconstruction to the present. In addition to thorough treatment of the major events of the period, this course will focus on the challenges that diverse groups faced as they struggled for an inclusive place in American society.

HIST 2800 – Utah`s Diverse Heritage (SS,DV) **3 cr**
Utah has always been a multicultural, multiethnic and multiracial society. Connects the historical conflict of the dominant and subdominant, the powerful and less powerful, and the privileged and less-privileged from Pre-Columbian times to the present.

HIST 2900 – Special Topics in American History **3 cr**
An in-depth study of a particular topic in American History. It involves readings, discussion, research, and intensive writing.

HIT 1010 – Introduction to Computers **1 cr**
This course includes concepts related to hardware and software, the impact of computers on society, and computer systems/data communications networks. Microsoft desktop applications such as Word, Excel, PowerPoint, and Access are typically taught in this course.

HIT 1020 – Basic Diagnosis Coding **3 cr**
This course includes instruction in International Classification of Diseases ICD-9-CM and International Classification of Diseases ICD-10-CM. The course also covers use of official coding guidelines and reporting requirements and other diagnosis coding systems and code sets including DSM-IV and ICD-0.

HIT 1030 – Basic Procedure Coding **3 cr**
This course includes instruction in basic procedure coding systems including ICD-9-CM Volume III, Current Procedural Terminology – CPT-4, HCPCS Level II codes, other procedure coding systems, and ICD-10-PC.

HIT 1040 – Pathophysiology for Health Information Techs **3 cr**
Emphasis placed on the disease processes affecting the human body via an integrated approach to specific disease entities, including the study of causes, diagnosis, and treatment of disease.

HIT 1100 – Medical Terminology for Health Information Techs **3 cr**
Designed to teach students to accurately spell, pronounce, and define common medical terms related to major disease processes, diagnostic procedures, laboratory tests, abbreviations, drugs, and treatment modalities.

HIT 1110 – Health Informatics **3 cr**
Prereq: HIT 1020 and either HIT 1010 or CIS 1020. Overview of electronic health records, data exchange, and the commonly available software tools used in health care and by major vendors, including use of encoding tools (coding, grouping, reference systems).

HIT 1120 – Pharmacotherapy for Health Information Techs. **2 cr**
Prereq: HIT 1040. Emphasis is placed on understanding the action of drugs, including the absorption, distribution, metabolism, and excretion of drugs by the body.

HIT 1130 – Healthcare Reimbursement Methodologies 3 cr
Prereq: HIT 1020, 1030, and 1040. This course studies the uses of coded data and health information in reimbursement and payment systems appropriate to all healthcare settings and managed care. Includes contemporary prospective payment systems and key health plans, charge master maintenance, and evaluation of fraudulent billing practices.

HIT 1140 – Healthcare Data Content and Structure 3 cr
Prereq: HIT 1020, 1030, and 1040. This course introduces the generic components of the content, use, and structure of healthcare data and data sets and how these components relate to primary and secondary record systems. The course also introduces legal, ethical, privacy, security, and confidentiality issues and practices applicable to health information.

HIT 1150 – Healthcare Delivery Systems 3 cr
Prereq: HIT 1020, 1030, and 1040. This course describes the organization, financing, regulatory, and delivery structures of different healthcare services and explores the 'continuum of care' concept.

HIT 1220 – Intermediate Diagnosis Coding 3 cr
Prereq: HIT 1020. This course includes case studies using more complex code assignments with ICD-9-CM. It also includes PPS application examples for ICD coding (DRG, RUGS, HHRG, etc.) and compares and contrasts ICD-9-CM and ICD-10-CM code assignments and conventions. The course provides an introduction to Systematized Nomenclature of Medicine (SNOMED) and includes a brief overview of its role in the health care delivery system as the basis for an electronic health record, outlining its relationship to the administrative code sets currently used for billing and statistical reporting. The course also includes definitions for crosswalks and maps used in the clinical coding process and provides authentic coding experience.

HIT 1230 – Intermediate Procedure Coding 3 cr
Prereq: HIT 1030. This course includes instruction in intermediate procedure coding. RBRVS, APCs, and ASC examples are used including professional fee billing examples in coding (Evaluation and Management services, surgical services, etc.). Case studies and more complex code assignments using CPT and HCPCS Level II codes are included. The course also covers procedure coding for inpatients (ICD-9-CM Volume III or ICD-10-PCS - compare and contrast the two systems at an introductory level). Provides authentic coding experience.

HIT 1250 – Professional Practice Experience Capstone 1 cr
Prereq: Instructor approval. This course provides students with coding practice in a hospital, physician's office, clinic, or other healthcare setting with directed projects common to a clinical coding specialist on the job.

HLAC 1000 – Cardio Fitness (LW) 1 cr
A workout class that emphasizes the correct concepts of a cardiorespiratory workout, including target heart rate zones and perceived exertion. Appraisal of student fitness level included. Emphasis is on lifelong wellness.

HLAC 1013 – Body Strength and Tone (LW) 1 cr
A group conditioning class that uses a variety of equipment to increase muscular strength and endurance. Students will learn to monitor their workout intensity, and safely use a variety of training methods. Lifelong wellness is emphasized.

HLAC 1014 – CrossFit (LW) 1 cr
A varied, high-intensity, functional movement strength and conditioning class to build cardio-respiratory endurance, strength, flexibility, power, speed, coordination, agility, and balance. Lifetime wellness concepts will be emphasized.

HLAC 1015 – Spinning (LW) 1 cr
A rigorous aerobic workout class on stationary bikes. Students learn to monitor their target heart rate and personal training zones for increased cardiovascular endurance and muscular strength. Lifelong fitness is emphasized.

HLAC 1020 – Step (LW) 1 cr
Aerobic conditioning designed to develop cardiovascular endurance, strength, and coordination. Routines include step benches and vigorous exercise, set to music. Course is designed for fun and to encourage lifelong fitness.

HLAC 1025 – Interval Training (LW) 1 cr
A group aerobic class which may include jogging, bands, interval training, and vigorous exercise, set to music. This course covers proper guidelines to monitor target heart rate, technique and safety. Designed to encourage lifelong fitness.

HLAC 1030 – Kickboxing (LW) 1 cr
A workout class combining techniques of boxing and the martial arts. Heart rate and personal training zones are taught to help students develop cardiovascular endurance and muscular strength. Emphasis is on lifelong wellness.

HLAC 1035 – Zumba (LW) 1 cr
An interval class that combines Latin/international rhythms with dance and aerobic moves for a fun cardiovascular workout. This class encourages fitness and wellness.

HLAC 1040 – Belly Dancing Basics (LW) 1 cr
This class uses Middle Eastern Dance in a low impact cardio workout to stretch and strengthen muscles, especially core. It can help improve posture and increase concentration while having fun. This class encourages lifetime health/wellness.

HLAC 1046 – Jog/Walk (LW) 1 cr
Student will engage in a personalized jogging and/or walking program. Emphasis is on helping students lose fat, firm up, improve cardiovascular endurance and ease stress. Emphasis is on lifelong wellness.

HLAC 1051 – TRX (LW) 1 cr
TRX is suspension training using straps, body weight, and angles for core and functional strength work. TRX includes flexibility, stability, balance, strength, power and cardio conditioning. Lifetime wellness concepts will be emphasized.

HLAC 1052 – Boot Camp (LW) 1 cr
High-intensity interval class that uses cardio-respiratory, speed, and endurance drills combined with muscular strength and endurance exercises for a fun and challenging workout to increase fitness. Lifetime wellness is emphasized.

HLAC 1055 – Pilates I (LW) 1 cr
This is a Pilates mat class that uses breathing, core conditioning and body awareness in a series of dynamic exercises to stretch, strengthen and streamline the body. This course emphasizes lifelong fitness and wellness.

HLAC 1056 – Pilates II (LW) 1 cr
Recommended prereq: HLAC 1055 or previous Pilates experience. Advanced Pilates Mat Class that will utilize equipment and delve deeper into Pilates principles of conditioning. This class will teach principles of form and alignment and emphasize lifelong health and wellness.

HLAC 1057 – Yoga I (LW) 1 cr
An introduction to Hatha Yoga stretching, breathing, and relaxation techniques. It is designed for stress management, meditation, peace of mind and self-awareness. This class emphasizes overall balance and lifelong wellness concepts.

HLAC 1058 – Yoga II (LW) 1 cr
Recommended prereq: HLAC 1057. A more advanced practice of Hatha Yoga stretching, breathing and relaxation techniques. It is designed for stress management, meditation and increased self-awareness. This course emphasizes life balance and lifelong wellness concepts.

HLAC 1062 – Flexibility for Fitness (LW) 1 cr
A comprehensive stretching program to increase the range of joint mobility, through a regular flexibility exercise program. This course covers safe practice and enjoyable ways to increase muscular flexibility. Emphasis is on lifelong wellness.

HLAC 1073 – Aerobic Circuit (LW) 1 cr
A cardiovascular workout combined with strength training. It covers the use of resistance equipment while alternating with aerobic intervals. This course is excellent for cross training and muscle toning. Emphasis is on lifelong wellness.

HLAC 1080 – Strength Training I (LW) 1 cr
A basic resistance training course which teaches proper lifting techniques and methods to increase muscular strength and endurance. Free weights and resistance machines will be used. Emphasis is on lifelong fitness.

HLAC 1081 – Strength Training II (LW) 1 cr
Recommended prereq: HLAC 1080 . A more advanced resistance training class that teaches proper lifting techniques to increase muscular strength and endurance. Free weights and resistance machines will be used. Emphasis is on lifelong fitness.

HLAC 1082 – Strength Training III (LW) 1 cr
Prereq: Instructor approval. This is the fall semester, intercollegiate athletic team class that teaches and practices advanced resistance training methods to increase muscular strength and endurance. Emphasis is on lifelong fitness.

HLAC 1083 – Strength Training IV (LW) 1 cr
Prereq: Instructor approval. This is the spring semester, intercollegiate athletic team class that teaches and practices advanced resistance training methods to increase muscular strength and endurance. Emphasis is on lifelong fitness.

HLAC 1096 – Fitness for Life (LW) 1 cr
Wellness and healthy lifestyle concepts are taught with an emphasis on aerobic exercise and physical fitness. Lecture/ Lab format. Students will design and engage in a fitness program. Includes fitness appraisals and behavior change with emphasis on lifelong wellness.

HLAC 1100 – Tennis I (LW) 1 cr
Covers the basic strokes, shots, safety, rules, etiquette, and strategy of tennis. Course is designed for fun, competition, and to encourage lifelong participation.

HLAC 1101 – Tennis II (LW) 1 cr
Recommended prereq: HLAC 1100. Course is for the intermediate player. Students will learn to adjust their tennis strokes according to power, control, height of bounces, speeds and angles. Course is designed for fun, competition, and encourages lifelong participation.

HLAC 1105 – Badminton (LW) 1 cr
Course covers basic concepts of singles and doubles badminton. Includes basic strokes, serves, shots, safety, rules, and strategy. Course is designed for fun and encourages lifelong participation.

HLAC 1110 – Racquetball I (LW) 1 cr
Covers basic fundamentals of racquetball. Includes basic strokes, shots, safety, rules, etiquette, and strategy. Course is designed for fun, competition, and to encourage lifelong participation.

HLAC 1111 – Racquetball II (LW) 1 cr
Recommended: HLAC 1110. This course teaches the intermediate skills of racquetball, with emphasis on strategy and a more competitive style of play. It is designed for fun, competition, and encourages lifelong participation.

HLAC 1130 – Golf I (LW) 1 cr
Covers the basic fundamentals of golf. Emphasis is on the knowledge and practice of individual skills. Rules and etiquette will be taught. Course is designed for fun to encourage lifelong participation.

HLAC 1131 – Golf II (LW) 1 cr
Recommended prereq: HLAC 1130. Course teaches intermediate golf skills, techniques, rules, etiquette and strategies. It is designed for fun, competition, and encourages lifelong participation.

HLAC 1145 – Bowling I (LW) 1 cr
Covers the basic skills of bowling including: ball selection, fit, approach and delivery. History, rules, safety, terminology, and etiquette will also be covered. Designed for fun and to encourage lifelong participation.

HLAC 1146 – Bowling II (LW) 1 cr
Recommended prereq: HLAC 1145. Course continues the study and practice of bowling. Intermediate skills, techniques and strategies will be taught. Course is designed for fun, competition, and encourages lifelong participation.

HLAC 1200 – Basketball I (LW) 1 cr
This course covers the fundamentals of basketball. Students will increase individual skills and gain an understanding of the regulations that govern this sport. It is designed for fun, competition, and to encourage lifelong participation.

HLAC 1201 – Basketball II (LW) 1 cr
Recommended prereq: HLAC 1200. This course teaches the intermediate skills of basketball, with emphasis on strategy and a more competitive style of play. It is designed for fun, competition, and encourages lifelong participation.

HLAC 1210 – Volleyball I (LW) 1 cr
Covers the basic fundamentals of volleyball. Students will increase individual skills and gain an understanding of the regulations that govern this sport. It is designed for fun, competition, and to encourage lifelong participation.

HLAC 1211 – Volleyball II (LW) 1 cr
Recommended prereq: HLAC 1210. This course covers intermediate skills and team concepts, including 6-person, 3-person and 2-person intense transition drills. It is designed for fun, competition, and encourages lifelong participation.

HLAC 1212 – Volleyball III (LW) 1 cr
Recommended prereq: HLAC 1211. This course covers skills and team concepts for advanced player, including advanced techniques in offensive and defensive systems and blocking principles. It is designed for fun, competition, and lifelong participation.

HLAC 1213 – Sand Volleyball (LW) 1 cr
This class teaches the principles of sand volleyball including doubles, three, four or six player combinations. Basic volleyball skills will be taught. This class encourages fitness and wellness.

HLAC 1230 – Soccer I (LW) 1 cr
This course covers basic soccer skills including ball control, heading, passing and shooting. This course teaches rules and strategies with emphasis on team play. It is designed for fun, competition, and to encourage lifelong participation.

HLAC 1232 – Competitive Soccer (LW) 1 cr
Prereq: Instructor approval. This course is designed for the club soccer team at SLCC. instructor approval. is required. The class combines skill development, practice, and competition, and encourages lifelong fitness and wellness.

HLAC 1350 – Scuba I (LW) 1 cr
Prereq: Must be able to swim. This course covers basic techniques, safety and equipment used in scuba diving in an indoor pool setting. Students will learn about pressure, dive tables, respiration and dive planning. It emphasizes lifelong fitness and wellness concepts.

HLAC 1351 – Scuba II (LW) **1 cr**
Prereq: HLAC 1350, instructor approval or Open Water Course. This course covers underwater search patterns, principles of underwater physics, volume and pressure changes, and limited visibility diving. Specialty equipment, deep diving and photography will be covered. Lifelong wellness is emphasized.

HLAC 1410 – Tai Chi Chuan (LW) **1 cr**
This course covers basic knowledge and practice of Yang style Tai Chi Chuan Peking Form, and Chi Gung exercises, theories, and strategies. This course emphasizes martial arts for fitness rather than as a combative practice.

HLAC 1413 – Qi Gong (LW) **1 cr**
A 5000 year old Chinese practice of slow movements combined with deep breathing to bring a peaceful mind, calm spirit, more capability dealing with daily stresses and disease along with an invigorated body. Health/wellness component taught.

HLAC 1440 – Aikido I (LW) **1 cr**
A Japanese martial arts incorporating joint-lock and throwing techniques applied in self-defense. Class helps develop strength, flexibility, posture/balance, concentration, awareness, self-observation, and lifelong fitness/wellness.

HLAC 1442 – Brazilian Capoeira (LW) **1 cr**
Capoeira is a diverse Brazilian martial art which incorporates self-defense, kicks, ground moves, acrobatics and music. Participants gain strength, flexibility, coordination, and endurance. This course emphasizes lifelong wellness concepts.

HLAC 1445 – Taekwon-Do I (LW) **1 cr**
This course covers the basic techniques, conditioning and self-defense movements of this Korean martial art. It provides opportunity to learn kicking, blocking, punching and self-defense techniques, and emphasizes lifelong wellness.

HLAC 1446 – Taekwon-Do II (LW) **1 cr**
Prereq: HLAC 1445 or instructor approval. Continuation of HLAC 1445 with emphasis on intermediate technique, body conditioning and self-defense. Students will perform intermediate kicks, blocks, patterns and board breaking. Lifelong wellness concepts will be emphasized.

HLAC 1449 – Kung fu I/Wing Chun (LW) **1 cr**
Introduction to Wing Chun Kig fu including calisthenics and basic techniques. Will include history, theory, fight strategy, self defense, sticky hand, grab, and grappling techniques. Emphasis is on lifelong wellness.

HLAC 1450 – Kung fu I/Hung Gar (LW) 1 cr
This course covers Hung Gar Kung fu techniques including calisthenics/conditioning (cardiovascular, forearms, and shins). It includes history, theory, fight strategy, self defense, and grappling techniques. Emphasis is on lifelong wellness.

HLAC 1451 – Kung Fu II (LW) 1 cr
Recommended prereq: HLAC 1450 or HLAC 1449 or instructor approval. It continues the study of Hung Gar Kung fu, emphasizing theory, fight strategy, self defense, grab techniques and 1st traditional Hung Gar Kung fu form. Conditioning focus is on cardio, ribs, and outer thighs. Lifelong wellness emphasis.

HLAC 1520 – Hiking (LW) 1 cr
Students will learn the basic skills of hiking, including trip planning, map reading and basic first aid. Hikes include various locations along the Wasatch Front. This course is designed for fun and encourages lifelong participation.

HLAC 1527 – Rock Climbing I (LW) 1 cr
This is a beginning climbing class focusing on indoor Top Rope belaying/climbing skills and techniques. No prior rope climbing experience required. This course is designed for fun, challenge and encourages lifelong participation.

HLAC 1528 – Rock Climbing II (LW) 1 cr
Recommended prereq: HLAC 1527 or instructor approval. Students learn intermediate static and dynamic movement styles, including belaying, clipping and rope management techniques. Students are taught to safely lead-climb indoors. Designed for fun, challenge and lifelong participation.

HLAC 1535 – Backpacking (LW) 1 cr
This course is for students to learn the basic skills of backpacking; trip planning, navigation, outdoor cooking, and safety and survival skills, and includes two weekend class trips. This course encourages lifelong participation.

HLAC 1540 – Related Outdoor Activity (LW) 1 cr
Provides credit for physical activity tied to other courses offered by the college such as community services courses (building homes for the homeless) or anthropology courses involving field schools. Lifelong wellness is encouraged.

HLAC 1550 – Mountain Biking I (LW) 1 cr
This course provides instruction in mountain biking techniques, bike maintenance, trip planning and safety. Class meets at various locations along the Wasatch Front. This course is designed for fun and encourages lifelong participation.

HLAC 1551 – Mountain Biking II (LW) 1 cr
Recommended prereq: HLAC 1550. This course covers more advanced mountain biking skills with longer and more technical rides than Mountain Biking I. It is designed for fun and encourages lifelong participation.

HLAC 1610 – Skiing/Snowboarding (LW) 1 cr
This is a basic skiing and/or snowboarding course, taught by professionally trained instructors and accommodates all skill levels. The course is designed for fun and encourages lifelong participation.

HLAC 1655 – Snowshoeing (LW) 1 cr
Students are taught basic skills in snowshoeing techniques, maintenance, trip planning and safety. Class meets at various trails in the Wasatch Mountains. This course is designed for fun and encourages lifelong participation.

HLAC 1715 – Country Western Dance (LW) 1 cr
This course teaches popular partner country western dances including Texas Two-Step, Nightclub Two-Step, East Coast Swing, West Coast Swing and Cha-cha. This course is designed for fun and encourages lifelong participation.

HLAC 1720 – Social Dance I (LW) 1 cr
This course introduces social, ballroom and partner dancing. It includes basic steps of Merengue, Waltz, Rumba, Foxtrot, Triple Swing, Cha-cha and Tango. This course is designed for fun and encourages lifelong participation.

HLAC 1721 – Social Dance II (LW) 1 cr
Recommended prereq: HLAC 1720. This course covers the more advanced steps of the Waltz, Cha-Cha, West Coast Swing, Two Step, Tango and Viennese Waltz. It is designed for fun and encourages lifelong participation.

HLAC 1800 – Intercollegiate Athl I (LW) 1 cr
Prereq: Instructor approval. This is the intercollegiate athletic team class offered in the Fall Semester. The class is designed for practice, competition, and encourages lifelong wellness.

HLAC 1801 – Intercollegiate Athl II (LW) 1 cr
Prereq: Instructor approval. This is the intercollegiate athletic team class offered during Spring Semester. The class is designed for practice, competition, and encourages lifelong fitness.

HLAC 1802 – Intercollegiate Athl III (LW) 1 cr
Prereq: Instructor approval. This is the intercollegiate athletic team class offered during Fall Semester. Instructor approval is required. The class is designed for practice, competition, and encourages lifelong wellness.

HLAC 1803 – Intercollegiate Athl IV (LW) **1 cr**
Prereq: Instructor approval. This is the intercollegiate athletic team class offered during Spring Semester. Instructor approval is required. The class is designed for practice, competition, and encourages lifelong wellness.

HLAC 1805 – Cheer Squad I (LW) **1 cr**
Prereq: Instructor approval. This is the fall semester intercollegiate cheer squad class. Instructor approval is required. The class is designed for practice, competition, and encourages lifelong fitness.

HLAC 1806 – Cheer Squad II (LW) **1 cr**
Prereq: Instructor approval. This is the spring semester intercollegiate cheer squad class. Instructor approval is required. The class is designed for practice, competition, and encourages lifelong fitness.

HLAC 2110 – Principles of Weight Training(LW) **1 cr**
Advanced course designed to provide students with the knowledge and skill in the use of free weights, weight machines and exercise apparatus, with an emphasis in designing resistant training programs to meet a wide range of goals. Course emphasizes lifelong fitness and wellness concepts.

HLTH 1020 – Foundations of Nutrition **3 cr**
Introduces and applies basic nutrition concepts. Fundamentals of human nutrition and its applications to a healthier lifestyle. Evaluation and assessment of nutrition issues which includes preventing nutrition-related diseases.

HLTH 1050 – Life, Society and Drugs (ID) **3 cr**
A comprehensive study of the personal, social, health, political and economic effects of substance use and abuse in this country. The impact of alcohol and other drugs on the individual, family, and society as a whole, will be covered.

HLTH 1105 – Healthy Body Image & Weight Management **2 cr**
Promotes positive body image and self esteem. Includes self assessment, evaluation, biological, social and spiritual strategies to assist students in accepting themselves regardless of body size or images.

HLTH 1110 – Social Health & Diversity (ID, DV) **3 cr**
This course offers an analysis and evaluation of social health issues facing the United States today. Disparity in health care caused by social problems such as bias, privilege, discrimination and prejudice will be discussed.

HLTH 1150 – Know Greater Heroes I **3 cr**
Students will be coached to master key communication skills, beliefs and physiology of truly successful people and outstanding leaders.

HLTH 1200 – First Aid and Safety **3 cr**
Course follows American Red Cross Responding to Emergency guidelines and leads to first aid and CPR certification.

HLTH 1240 – Theory & Practice of Meditation(LW) **2 cr**
This course is an overview of the use and practice of meditation to reduce stress and increase health and wellness. Different forms and purposes of meditation will be explored and daily meditation practice encouraged.

HLTH 1242 – Laughter Yoga (LW) **2 cr**
A mind/body class combining lecture, practice and laughter to lower stress hormones, foster a positive and hopeful attitude and to help people increase health and vitality through unconditional laughter and yogic breathing.

HLTH 1243 – Introduction Laughter Yoga Instructor **2 cr**
Recommended prereq: HLTH 1242. Train to become a certified Laughter Yoga Instructor. Learn how to lead Laughter Yoga and Meditations sessions for social clubs, corporate clients, senior citizen groups and school children. After successful completion of this course you will be qualified as a Certified Laughter Yoga Leader (CLYL)

HLTH 1245 – Environmental Yoga (LW) **2 cr**
Yoga philosophy and principles are used to explore ways to be more environmentally conscious, to appreciate human interconnectedness with the environment and how to live a sustainable, ethical life.

HLTH 1250 – Stress Management **2 cr**
Covers ways to help minimize effects of stress. Includes techniques of prevention, perception and intervention. Also provides relaxation techniques, personality profiles, goal setting, communication, time management and imagery skills.

HLTH 1255 – Mind/Body Connection **3 cr**
Intro to mind/body potential for alleviating illness and improving health. Covers relaxation tech, guided imagery, and other alternative methods. Includes psychoneuroimmunology and support systems with practical application.

HLTH 1260 – 21st Century Medicine **3 cr**
Explores trends in medical treatment. Learn about nutrition therapies, environmental detoxification, pharmaceutical treatment, herbology, homeopathy, energy medicine, physical therapy and other practical preventative measures.

HLTH 1300 – Doula & Childbirth Preparation **3 cr**
This course covers the pre and post partum period of pregnancy as well as labor and delivery. Students will learn what to expect in pregnancy, childbirth and the postpartum period.

HLTH 1325 – Intro/Group Fitness Instructor **2 cr**
This course assists successful students to prepare for certification as fitness professional by covering the educational components of teaching a safe and effective group fitness class.

HLTH 1350 – Introduction to Yoga Teacher Training **3 cr**
Recommended prereq: HLAC 1057 or HLAC 1058 or personal practice. Class will cover the following principles of yoga: asanas, pranayamas, kriyas, chanting, mantra, meditation and other traditional yoga practices with equal time given to analytical training and teaching and practice techniques.

HLTH 1355 – Yoga Teacher Training II **2 cr**
Class will cover human physical anatomy, physiology, and energy anatomy and physiology (chakras, nadis, etc.) as applied to the subject and application to yoga practice.

HLTH 1360 – Yoga Teacher Training III **3 cr**
Recommended prereq: HLTH 1350. Class covers the following principles of yoga: asanas, pranayamas, kriyas, chanting, mantra, meditation and other traditional yoga practices with equal time given to analytical training and teaching, and practice techniques.

HLTH 1365 – Yoga Teacher Training IV **3 cr**
Recommended prereq: HLTH 1350. Class studies advanced asanas, pranayamas, kriyas chanting, mantra, meditation and other traditional yoga techniques. Teaching methodology and ethics will be covered.

HLTH 1370 – Yoga Teacher Practicum **2 cr**
Prereq: Instructor approval. This class allows students to complete the required practical teaching requirements for the Yoga Alliance. Practicum teaching will be done with fellow students during class and in the community as a volunteer.

HLTH 1400 – Intro Personal Training Group Exercise Instructor **2 cr**
Intro to the professions of personal training and group exercise instruction. Visit health clubs, corporate fitness centers and private training facilities. Information on national certification requirements and costs given.

HLTH 1405 – Evaluation and Assessment of Fitness **3 cr**
Recommended prereq: HLTH 2200. Students will learn to use various tools in assessing and evaluating the fitness level of their clients. They will be introduced to assessment software and learn to administer and interpret the results.

HLTH 1500 – Lifetime Wellness/Fitness (ID) 3 cr
This interdisciplinary course teaches students to become active participants in achieving wellness in the physical, intellectual, emotional, social, spiritual and environmental areas of health in their lives.

HLTH 2020 – Nutrition for the Life Cycle 3 cr
Covers nutrition function needs, sources and alterations during pregnancy, lactation, growth, development, maturation and aging. Includes disease prevention, essential nutrients, metabolism, wt. management and specific problems.

HLTH 2021 – Nutrition for Fitness & Sports 3 cr
Prereq: HLTH 1020. Examines advanced fitness/sport nutrition issues, including ergogenic aids and nutrient metabolism for optimal athletic performance.

HLTH 2100 – Fitness Motivation/Behavior Response 3 cr
Covers behavior management techniques that will assist fitness trainers in providing programs for people of all ages. Provides students with an understanding of a variety of teaching, learning and communication strategies.

HLTH 2150 – Know Greater Heroes II 3 cr
Prereq: HLTH 1150. A continuation of HLTH 1150. Students will continue their mastery of communication skills, mentoring and teaching leaders to train others to be outstanding leaders.

HLTH 2200 – Kinesiology 3 cr
Recommended prereq: BIOL 1090. This course will focus on the anatomical, physiological and mechanical principles as they are applied to human movement.

HLTH 2250 – Exercise Physiology 3 cr
Recommended prereq: BIOL 1090. Covers the function and adaptation of the human body to the stress of physical activity. This course will study these adaptations and the metabolic process of energy yielding pathways.

HLTH 2300 – Emergency Medical Technician 10 cr
14-week course. Must be 18 years old. CPR cert. available. Treatment of medical emergencies, trauma injuries, shock treatment, bleeding, illness, bandaging, splinting, taking vital signs. Utah certifiable.

HLTH 2400 – Exercise & Dimensions of Aging 3 cr
Prereq: HLTH 1405. This course looks at how the human aging process affects the individuals fitness and overall wellness. Students will learn to assess the fitness level of the over-40 population and design a training program that meets the individuals needs and resources.

HLTH 2430 – Designing Training Programs **3 cr**
Prereq: HLTH 1405. Students will learn to design and implement a comprehensive fitness program, preparing them for a career in the fitness industry.

HLTH 2435 – Personal Fit Trainer Industry **3 cr**
Recommended prereq: HLTH 1400. This course introduces students to the business aspect of the fitness training industry. Students will have the opportunity to create their own business plan as a fitness entrepreneur.

HLTH 2450 – Personal Trainer Internship **3 cr**
Prereq: Instructor approval. Should be taken in final semester of Fit Tech Program. Students will observe and assist in the fitness training of individuals. 120 hours must be completed. Possible intern sites include SLCC fitness center, fitness clubs, county recreation and corporate fitness centers.

HS 2050 – Culture Ethics in Medicine (ID,DV) **3 cr**
The course explores Western medical ethics as articulated by clinicians, health care professionals within the framework of a wide range of secular, cultural, and socioeconomic groups and religious traditions and how these various factors lead to tension and compromise effective, humane health care. The course will promote awareness of health care outcomes and medical care for diverse populations.

HSS 1500 – Therapeutic Recreation Tech **6 cr**
Course introduces students to basic principles of recreation therapy and gives a general overview of the field. Areas related to rules and regulations, assessment, documentation, planning and program implementation will be covered.

HUMA 1100 – Introduction to Humanities (HU) **3 cr**
Course thematically investigates the fundamental and perennial questions of humankind and how human beings relate through culture to their political, religious, social, intellectual, economic, and geographic environments.

HUMA 1900 – Special Studies in Humanities **1 - 3 cr**
This is an individualized studies course in the humanities. Students plan their areas of study and work with the instructor on individual basis. Some work may be done in groups. May be repeated for credit.

HUMA 2000 – Humanities CO-OP Education **2 - 4 cr**
Prereq: Sophomore standing, minimum GPA of 2.0. Supervised work experience in a business, industrial, nonprofit corp. or gov. environment related to the program major. Credit awarded for completion of specific objectives that provide new learning related to the program major.

HUMA 2120 – Sacred Traditions (HU) 3 cr
This course focuses on structural and psychological approaches to the study of sacred narratives, stories derived from oral traditions, and cultural events that invite symbolic analysis.

HUMA 2130 – Philosophy in Literature (ID) 3 cr
Presents masterpieces of world literature as a narrative means of philosophical problems. Philosophical and literary methodologies are used for analysis of the literary texts.

HUMA 2220 – Pacific American Studies (HU, DV) 3 cr
This course explores Pacific Islander American Experience including their histories, literature, cultural patterns and contemporary experiences within the context of a theoretical framework of race and ethnic studies.

HUMA 2300 – World Religions (HU) 3 cr
A survey of the world's religions, their cosmologies and methods for living. Takes a historical perspective including mythology, philosophy, rituals, and doctrines of the belief systems; emphasizes the relationship religion has with culture.

HUMA 2310 – Great Books I 3 cr
Examines the unique legacy left to us by ancient and medieval cultures from around the world through intensive reading and discussion of primary sources in literature, philosophy, political theory, religion, and history.

HUMA 2320 – Great Books II 3 cr
Examines the unique legacy left to us by early-modern and modern cultures through intensive reading and discussion of primary sources in literature, philosophy, political theory, religion, and history.

HUMA 2400 – Religious Diversity-U.S. (HU,DV) 3 cr
Examines what it means to be religious in America: the conflict, interaction and influence of US culture and diverse religious minorities. Explores ideas of privilege, stereotypes, discrimination and the challenge of integration and accommodation.

HUMA 2600 – Decade of the `60s (HU) 3 cr
Course examines significant political, social, cultural elements of the 1960s: the Vietnam conflict, artistic expression, social movements, including a great awakening of rights consciousness, and considers their human impact and legacy.

HVAC 1100 – Refrigeration Basic Electrical 10 cr
Coreq: HVAC 1120. Provides an understanding of HVACR electrical controlled circuits. Reading ladder and schematic diagrams, computerized training, troubleshooting circuits, electric single-phase motors and starting devices are emphasized in both theory and lab.

HVAC 1110 – HVAC I A **5 cr**
Prereq: HVAC 1470 or equivalent. Materials and devices with focus on CPR/First Aid, Safety, Hand Tools, Accessories, Basic Electricity, Character Education/Customer Service, and Basic Gas Properties/ Gas Appliance Installation.

HVAC 1120 – HVAC IB **5 cr**
Prereq: HVAC 1110. Basic refrigeration cycle and physic principles. Cut, solder, and braze copper tubing, demonstrate safe use of manifold gauges, vacuum pumps, recovery machines. EPA/CFC certificate preparation.

HVAC 1210 – HVAC IIA **5 cr**
Installation principles, determine heat and cooling loads, calculate and design ducts, identify filtration methods, and install residential systems. Rocky Mountain Gas Association (RMGA) installation test.

HVAC 1220 – HVAC IIB **5 cr**
Prereq: HVAC 1210. Reading and interpreting of HVAC system blueprints to design and install HVAC layout, fabricate and install common sheet metal duct fittings.

HVAC 1400 – Air Conditioning **10 cr**
Prereq: HVAC 1300. Provides an understanding of commercial and residential air conditioning installation, service on refrigerant control devices and compressors, super-heat and sub-cooling adjustments, and heat pump operations. adjustments, and heat pump operations.

HVAC 1470 – Math Basics for HVAC (QS) **5 cr**
This is a customized course in applied mathematics for the trades including algebraic and trigonometric functions.

HVAC 2000 – Heat, Vent, Air Specialties **5 cr**
This course is designed to meet the needs of a student requesting co-op credit for on-the-job training hours. Credit hours may vary for this course.

HVAC 2310 – HVAC IIIA **5 cr**
Prereq: HVAC 1120. Electron theory, AC and DC current, ohm's law, series and parallel circuits, operation of gas furnaces, basic heat and cool controls and balance equipment. ICE Residential and Light Commercial Air-Conditioning and Heating Certification tests.

HVAC 2320 – HVAC IIIB **5 cr**
Prereq: HVAC 2310. Operation of the compression refrigeration and heat pump cycles, and troubleshoot systems. RMGA Service Certification test, the NATE Core Service and one Specialty test.

HVAC 2410 – HVAC IVA **5 cr**
Prereq: HVAC 2320. Fan types, measure air flow, volume and velocity using various instruments. Principles of Hydronics, steam heat and heat distribution units as well as basic principles of oil furnace heat systems.

HVAC 2420 – HVAC IVB **5 cr**
Prereq: HVAC 2410. Electronic components and control systems in electromechanical, pneumatic, electronic and DDC. Principles of psychometrics, humidification, desiccant cooling and dehumidification.

IND 1120 – Math for Industry (QS) **3 cr**
Prereq: MATH 0900 w/C grade or better. Designed to provide students with training in elementary math skills and work place applications of various vocational areas. Intent is to increase and enhance the math skills that are necessary.

IND 1130 – Math for Welders **3 cr**
Prereq: IND 1120. Math for Welders is designed to help students apply fundamental math skills to practical workplace problems.

INTD 1010 – Introduction to Interior Design **3 cr**
A broad overview of the principles of interior design, furniture selection, accessories, lighting, fabrics and architectural finishes.

INTD 1100 – Drafting for Interior Design **3 cr**
An introduction to the basic principles and techniques of Hand drafting and rendering for planning interior environments in residential and commercial design.

INTD 1200 – Color for Interiors **3 cr**
A review of the theories of color and applications as they relate to the psychological impact of color in residential and commercial settings.

INTD 1300 – Perspective Drawing **3 cr**
Prereq: INTD 1100. Overview of techniques and media used by Interior Designers for perspective drawings and renderings.

INTD 1350 – Rendering Techniques **1 cr**
Coreq: INTD 1300. Highlighting the use of markers in combination with other mediums, this class focuses on hard-to-draw subjects such as wood, stone, glass, foliage, skies, carpet, and fabrics.

INTD 1370 – Commercial Space Planning **3 cr**
Prereq: INTD 1010. Overview of the principles of commercial interior design. This course will require students to focus on individual projects and field work.

INTD 1400 – Copyrights For Creative Professionals **1 cr**
This introductory short course focuses on U.S. copyrights given to creative individuals who produce visual, musical, literary works of art or performing arts. The course also covers licensing and trademarking.

INTD 1420 – Sales Promo For Creative Professionals **2 cr**
This introductory short course will introduce basic sales and self-promotional principles and techniques specifically tailored for creative artists.

INTD 1440 – Build Creative Business **2 cr**
This introductory short course will introduce basic business structures and examine the process of setting up a business for creative professionals working in the areas of music, the many forms of visual design, fine art, animation, film and video, and the literary arts.

INTD 1450 – Interior Design AutoCAD I **4 cr**
Prereq: INTD 1100. Survey of basic AutoCAD applications for Interior Design. Students will learn how to create floor plans using AutoCAD.

INTD 1460 – Interior Designers AutoCAD II **4 cr**
Prereq: INTD 1450 . Students will learn to use advanced computer-aided design tools and drafting techniques.

INTD 1550 – Presentation Technique I **3 cr**
Prereq: INTD 1010. Capstone course to develop a presentation portfolio utilizing printed and multimedia applications.

INTD 1600 – History of Interior Design & Furniture **3 cr**
This course is a survey of historical furnishings, architecture design motifs from ancient civilization through the Victorian era, with emphasis on French, English and American periods.

INTD 1700 – Contemporary Furnishings **3 cr**
This course is a survey of contemporary furnishings from the end of the Victorian period to present day, emphasizing the masters of contemporary furniture design and current trends.

INTD 1750 – Design Psychology **3 cr**
Prereq: INTD 1010. An introduction into the field of Design Psychology. Students will explore basic Psychology principals that explore the relationship between people and place, and examine how individuals unconsciously connect with their environments.

INTD 1950 – Materials/Components of Design **3 cr**
Prereq: INTD 1010. A survey of the properties and production of materials employed in interiors, such as textiles, wood, metals, masonry, and other elements.

INTD 2000 – Internship **3 cr**
Prereq: INTD 1950 and instructor approval. To experience and gain a first-hand working knowledge of various aspects of the interior design field.

INTD 2150 – Green/Sustainable Interiors **3 cr**
Prereq: INTD 1950, INTD 2200 and INTD 2500. An overview of the environmentally responsible design, building practices, systems, materials, current codes, and current applicable certifications. Emphasis is on residential construction and interiors.

INTD 2200 – Building Construction and Codes I **3 cr**
Prereq: INTD 1450 and INTD 1950. Students will be introduced to the basics of construction management and the common practices of residential and commercial construction. The role of interior designers in the construction process will also be taught.

INTD 2300 – Lighting Design & Application **3 cr**
Prereq: INTD 1450. Overview of light fundamentals and lighting systems. Students will learn to calculate lighting levels, solve interior design lighting problems and communicate specification to clients and other professionals.

INTD 2400 – Kitchen & Bath Design **3 cr**
Prereq: INTD 1450. An overview of the basic principles of kitchen design and space layout, including drawing floor plans and elevations to scale. Cabinetry, appliances, finish materials, barrier free design are covered.

INTD 2450 – Advanced Kitchen & Bath Design **3 cr**
Prereq: INTD 2400. Course covers kitchen and bath design in greater depth, including theme, universal design, and auxiliary spaces.

INTD 2500 – Building Construction & Codes II **3 cr**
Prereq: INTD 1460. Overview of the principles of commercial interior design. This course will require students to focus on individual projects and field work.

INTD 2600 – Professional Practice **4 cr**
Prereq: INTD 2500. Overview of basic business principles related to interior design. Topics include: ethics, fees, documentation, terminology and job coaching.

INTD 2700 – Presentation Techniques II **3 cr**
Prereq: INTD 2600. Gain the skills needed to produce presentation quality drawings by using Photoshop, Illustration, InDesign and Google SketchUp to augment artistic skills.

INTD 2800 – Historic Preservation **3 cr**
Prereq: Instructor approval. This is an introduction course to historic preservation from a national and international perspective including the evolution of theory and practice and its application.

INTD 2900 – Independent Study **1 - 3 cr**
Prereq: INTD 2600 or instructor approval. For Interior Design majors ONLY. This Independent Study is based on a student-selected design topic.

INTL 2040 – Immigrant Experience Literature & Film (HU,DV) **3 cr**
A study of human issues linked to immigration through literature and film: cultural identity, prejudice, racism, multiculturalism. The US experience will be framed in the perspective of human migration and globalization.

INTL 2060 – International Literature and Culture (HU, DV) **3 cr**
Comparison of literature of ethnic groups of the U.S. with that of the native country in order to explore issues of U.S. discrimination, acculturation, identity, and bigotry as well as appreciating the benefits brought by that provenance.

INTL 2230 – Global French Cultures (HU) **3 cr**
Focuses on non-European French-speaking areas, such as Africa, the Caribbean, the Pacific Islands, Southeast Asia and Quebec. Students study literature, films, etc., and through them, the history of French colonialism, the areas' geography, and current economic and political status.

INTL 2240 – Latin American Studies (HU) **3 cr**
Explores the Latin American Experience based on literature, film, geography, histories, politics, religion, cultural patterns and contemporary experiences to increase intercultural competence and understanding modern Latin culture.

INTL 2980 – Travel Study (ID) **3 cr**
Prereq: Varies by semester and trip taken. This course includes travel experience with faculty of SLCC as well as pre- and post-trip activities and assignments. Credit awarded for successful completion of specified learning objectives.

INTL 2990 – Study Abroad (ID) **3 cr**
Prereq: Varies by semester and trip taken. The student attends lectures/workshops at an institution in a different country and studies in conjunction with faculty of SLCC in residence. Credit awarded for successful completion of specified learning objectives.

INTR 1000 – Introduction to Interpreting **1 cr**
This course provides an intro to the profession of interpreting with lecture, interviews, readings, and projects. Topics include history, terminology, responsibilities, skills/aptitudes, and employment options for interpreters.

INTR 1100 – Connections to Community I **1 cr**
Prereq: Acceptance into the INTR program. This course is designed to immerse students in the Deaf community and interpreting profession through Service Learning and mentoring opportunities to improving ASL skills and broaden their understanding of the community and profession.

INTR 1110 – Connections to Community II **1 cr**
Prereq: Acceptance to the INTR program and INTR 1100. This course is designed to immerse students in the Deaf community and interpreting profession through Service Learning and mentoring opportunities to improving ASL skills and broaden their understanding of the community and profession.

INTR 1200 – Interpreting I **5 cr**
Prereq: Acceptance to the INTR program. This course provides an intro to, and enhancement activities for, cognitive processing skills associated with interpretation. Discourse styles of ENG and ASL are analyzed and consecutive interpreting is introduced.

INTR 1300 – Ethics/Professional Standards **3 cr**
Prereq: Acceptance to the INTR program. This course provides an overview of ethical decision-making and prepares students to apply strategies professionally. Interpreting ethics are explored and readings, discussions, and case studies are used to apply knowledge used in course.

INTR 1400 – Interpreting II **5 cr**
Prereq: INTR 1200. This course provides students with the opportunity to practice interpretation skills in consecutive formats while further enhancing cognitive and linguistic skills as well as cultural awareness and knowledge.

INTR 1500 – Comparative Linguistics **3 cr**
Prereq: Acceptance to the INTR program and INTR 1200. Coreq: INTR 1400. This course examines basic similarities and differences between the linguistic structure of ASL and ENG, focusing on the way each conveys primary and secondary information. Students engage in a research project related to course content.

INTR 1600 – Internship I **2 cr**
Prereq: INTR 1400. This course provides students opportunities to make connections with professionals in the field, learn about different tasks, populations and settings of interpreting as well as explore later internship options.

INTR 1900 – Individual Studies **1 - 3 cr**
Prereq: INTR 1400. In this special studies course, students plan areas of study Service Learning or travel and work with an instructor on an individual basis. Some work may be done in groups.

INTR 2000 – Individual Research Project **1 cr**
Prereq: INTR 1400. In this special studies course, students plan areas of study Service Learning or travel and work with an instructor on an individual basis. Some work may be done in groups.

INTR 2100 – Connections to Community III **1 cr**
Prereq: INTR 1110. This course is designed to immerse students in the Deaf community and interpreting profession through Service Learning and mentoring opportunities to improving ASL skills and broaden their understanding of the community and profession.

INTR 2200 – Interpreting III **5 cr**
Prereq: INTR 1400. This course provides the opportunity to continue practicing ASL/ENG interpretation skills using a simultaneous format. Linguistic and cultural considerations are emphasized for accurate interpretations and to preserve meaning.

INTR 2400 – Interpreting IV **2 cr**
Prereq: INTR 2200. This course focuses on ASL/ENG interactive interpreting skills. Transliteration skills are also introduced as a means for matching consumer language use.

INTR 2600 – Internship II **2 cr**
Prereq: INTR 2400. This course is the internship component that complements your academic work through practical experiences in a community setting. Students will observe interpreters and interpret with direct supervision.

INTR 2900 – Special Topics **1 - 3 cr**
Prereq: INTR 2200. This course provides various topics in interpreting including community, video relay service, and theatrical interpreting, working with specific populations, and other topics of importance to interpreters.

INTR 2910 – Educational Interpreting **2 cr**
Prereq: INTR 2200. This course is an introduction to interpreting in K-12 settings. Topics include an overview of public/deaf education in the US, classroom learning activities, language skills/communication modes, learning styles, and accessibility.

INTR 2920 – VRS Interpreting **2 cr**
Prereq: INTR 2200. This course is an introduction to interpreting in Video Relay settings. Topics include an overview of legislation and federal administration, corporate environments, and the use and challenges of technology used to interpret in this setting.

INTR 2930 – Community Interpreting **2 cr**
Prereq: INTR 2200. This course is an introduction to interpreting in community settings. Topics business practices, billing, insurance, and taxes. Students will also be introduced to types of employment expected in community settings.

ISA 1110 – Ironworkers 1A **5 cr**
This course includes OSHA Outreach Training, MSILA New Miner Training, and specialized training for Steel Erection.

ISA 1120 – Ironworkers 1B **5 cr**
Prereq: ISA 1110. This course covers the fundamentals of placing reinforcing steel and Post Tensioning cables in concrete. Upon completion, students will be able to take PTI certification exam.

ISA 1210 – Ironworkers IIA **5 cr**
Prereq: ISA 1120. This course covers blueprint reading and the fundaments of construction and steel erection drawings.

ISA 1220 – Ironworkers IIB **5 cr**
Prereq: ISA 1210. This course covers the fundamentals of planning, job layout, and steel erection.

ISA 2310 – Ironworkers IIIA **5 cr**
Prereq: ISA 1220. This course examines the basic fundamentals of welding.

ISA 2320 – Ironworkers IIIB **5 cr**
Prereq: ISA 2310. This course is a continuation of the basic fundamentals of welding.

ITL 1010 – Beginning Italian I **5 cr**
First in a series of four courses which focus on listening, speaking, reading, writing and culture. Major objective of the first year is to develop functional language ability in the Italian culture. Lab attendance is required.

ITL 1020 – Beginning Italian II (LN) **5 cr**
Prereq: ITL 1010 or instructor approval. Second in a series of four courses which focus on listening, speaking, reading, writing and culture. Major objective of the first year is to develop functional language ability in the Italian culture. Lab attendance is required.

ITL 1300 – Beginning Conversation **1 cr**
Prereq: ITL 1010 or instructor approval. Course practices currently held conversation skills to increase speaking ability and vocabulary. Includes role-plays, small group work and presentations. Lab attendance may be required. May be repeated for credit.

ITL 1900 – Special Studies in Italian **1 - 2 cr**
Prereq: Instructor approval. In this course in language and culture, students plan areas of study, Service Learning or travel and work with an instructor on an individual basis. Some work may be done in groups. Lab may be required. May be repeated for credit.

ITL 2010 – Intermediate Italian I **4 cr**
Prereq: ITL 1020 or instructor approval. Second-year Italian courses increase functional language ability focusing on listening, speaking, reading, writing as well as increased focus on culture (philosophies, history, geography, literature, etc.) Lab attendance is required.

ITL 2020 – Intermediate Italian II **4 cr**
Prereq: ITL 1020 or instructor approval. Second-year Italian courses increase functional language ability focusing on listening, speaking, reading, writing as well as increased focus on culture (philosophies, history, geography, literature, etc.) Lab attendance is required.

ITL 2300 – Conversation **1 cr**
Prereq: ITL 1020 or instructor approval. Course practices currently held conversation skills to increase speaking ability and vocabulary. Includes role-plays, small group activities and presentations. Lab attendance required. May be repeated for credit.

ITL 2700 – Introduction to Literature **3 cr**
Prereq: ITL 2010 or ITL 2020. Second year courses focus on improvement of listening, speaking, reading, writing and culture skills. Major objective is to increase functional language ability through holistic approach to literature. Lab attendance required.

ITL 2710 – Introduction to Italian Film **3 cr**
Prereq: ITL 1020 or instructor approval. Course will aid students in their study of language and culture. Films will be viewed with subtitles and written work and discussions will be in Italian. Lab attendance required.

ITL 2900 – Special Topics in Italian **1 - 3 cr**
This is a course designed by faculty which allows students to explore specific interests in Italian language and culture. Lab attendance required. May be repeated for credit.

JPN 1010 – Beginning Japanese I **5 cr**
First in a series of four courses which focus on listening, speaking, reading, writing and culture. Major objective of the first year is to develop functional language ability in the Japanese culture. Lab attendance is required.

JPN 1020 – Beginning Japanese II (LN) 5 cr
Prereq: JPN 1010 or instructor approval. Second in a series of four courses which focus on listening, speaking, reading, writing and culture. Major objective of the first year is to develop functional language ability in the Japanese culture. Lab attendance is required.

JPN 1300 – Beginning Conversation 1 cr
Prereq: JPN 1010 or instructor approval. Course practices currently held conversation skills to increase speaking ability and vocabulary. Includes role-plays, small group work and presentations. Lab attendance may be required. May be repeated for credit.

JPN 1900 – Special Studies in Japanese 1 - 2 cr
Prereq: Instructor approval. In this course in language and culture, students plan areas of study, Service Learning or travel and work with an instructor on an individual basis. Some work may be done in groups. Lab may be required. May be repeated for credit.

JPN 2010 – Intermediate Japanese I 4 cr
Prereq: JPN 1020 or instructor approval. Second-year Japanese courses increase functional language ability focusing on listening, speaking, reading, writing as well as increased focus on culture (philosophies, history, geography, literature, etc.) Lab attendance is required.

JPN 2020 – Intermediate Japanese II 4 cr
Prereq: JPN 1020 or instructor approval. Second-year Japanese courses increase functional language ability focusing on listening, speaking, reading, writing as well as increased focus on culture (philosophies, history, geography, literature, etc.) Lab attendance is required.

JPN 2300 – Conversation 1 cr
Prereq: JPN 1020 or instructor approval. Course practices currently held conversation skills to increase speaking ability and vocabulary. Includes role-plays, small group activities and presentations. Lab attendance required. May be repeated for credit.

JPN 2700 – Introduction to Literature 3 cr
Prereq: JPN 1020 or instructor approval. Second year courses focus on improvement of listening, speaking, reading, writing and culture skills. Major objective is to increase functional language ability through holistic approach to literature. Lab attendance required.

JPN 2710 – Introduction to Japanese Film 3 cr
Prereq: JPN 1020 or instructor approval. Course will aid students in their study of language and culture. Films will be viewed with subtitles and written work and discussions will be in Japanese. Lab attendance required.

JPN 2900 – Special Topics in Japanese **1 - 3 cr**
This is a course designed by faculty which allows students to explore specific interests in Japanese language and culture. Lab attendance is required. May be repeated for credit.

KABM 0115 – Basic Math Skills **64 hrs**
Prereq: ABLE test, placement test in class. Coreq: KALL 0100. Student improves skills in basic operations, problem solving, analysis and computations using whole numbers, fractions, decimals, percents, measurement and formulas, equations, ratio and proportion, and GED prep.

KABR 0115 – Basic Reading Skills **64 hrs**
Prereq: ABLE test given during admission process. Coreq: KALL 0100. Student tests in classroom for proper placement in curriculum; gains comprehension and vocabulary skills; uses computer aids; studies grammar, spelling, and writing as it relates to these nine levels of reading.

KACC 0100 – Safety Fundamentals **20 hrs**
Prereq: School of App Tech assessment. Students prepare for the OSHA 10 hr. safety certificate and practice safety rules that apply to HVAC Industry.

KACC 0105 – Green Energy Systems **40 hrs**
Prereq: School of App Tech assessment. Also requires completion of the following previous courses from this HVAC program: KACC 0100 Safety Fundamentals. Provides an awareness of the need for conservation and energy management and self-sufficiency in energy needs related to HVAC service. Students learn principles of solar, wind, and alternative energy resources.

KACC 0110 – Fundamentals of Electricity **320 hrs**
Students receive electrical theory and hands-on experience while using trainers, computer simulations, and practical applications applied to air conditioning, heating, and refrigeration systems.

KACC 0200 – Fundamentals of Electricity **180 hrs**
Prereq: School of App Tech assessment, KACC 0100 and KACC 0105. Electrical theory and applications in HVAC service. Students learn principles of electricity as applied to HVAC. Students may earn related 'Employment Ready' certificates.

KACC 0220 – Electrical Applications **140 hrs**
Prereq: School of App Tech assessment, KACC 0100, KACC 0105 and KACC 0200. Students apply the fundamentals of electricity in specific HVAC applications. Heat pumps, electrical heating equip, variable frequency drives, electrical and DDC controls are emphasized. Students may earn 'Employment Ready' certificates.

KACC 0230 – HVAC Fundamentals **20 hrs**
Prereq: School of App Tech assessment, KACC 0100, KACC 0105, KACC 0200 and KACC 0220. HVAC theory and applications are introduced. Students learn fundamentals of heat transfer and the basic principles of refrigeration.

KACC 0240 – Applied Combustion Heating **80 hrs**
Prereq: School of App Tech assessment, KACC 0100, KACC 0105, KACC 0200, KACC 0220, KACC 0230. Theory and applications of combustion heating systems are introduced. Students learn principles of natural gas and oil heating systems and associated mechanical codes and safety; includes COSA carbon monoxide protection and RMGA exams.

KACC 0250 – Applied Refrigeration Theory **70 hrs**
Prereq: School of App Tech assessment, KACC 0100, KACC 0105, KACC 0115, KACC 0220 and KACC 0230. Application of refrigeration theory and basic refrigeration systems are introduced. Students learn properties of refrigerants, and characteristics of different types of refrigeration systems; includes preparation for certifications.

KACC 0260 – Automotive A/C Service **10 hrs**
Prereq: School of App Tech assessment, KACC 0100, KACC 0105, KACC 0200, KACC 0220, KACC 0230 and KACC 0250. Application of refrigeration practices particular to the service of automotive air conditioners. Students can qualify for the Federal Clean Air Act automotive CFC (EPA 609) certification exam.

KACC 0290 – Employment Workshop **10 hrs**
Students learn job-seeking skills, resume writing, and interviewing skills necessary for job placement.

KACC 0300 – Residential HVAC Systems **160 hrs**
Prereq: School of App Tech assessment, KACC 0100, KACC 0105, KACC 0200, KACC 0220, KACC 0230, KACC 0240 and KACC 0250. Application of heating and refrigeration practices as they apply to residential heating and air conditioning systems. Emphasis is on energy efficiency in home HVAC systems. Students prepare for all applicable certifications.

KACC 0400 – Light Commercial HVAC Systems **80 hrs**
Prereq: School of App Tech assessment, KACC 0100, KACC 0105, KACC 0200, KACC 0220, KACC 0230, KACC 0240, KACC 0250 and KACC 0300. Application of heating and refrigeration practices for light commercial heating and air conditioning systems. Emphasis is on energy efficiency in the installation, operation, and service of basic commercial systems.

KACC 0420 – Commercial HVAC Systems **80 hrs**
Prereq: School of App Tech assessment, KACC 0100, KACC 0105, KACC 0200, KACC 0220, KACC 0230, KACC 0240, KACC 0250 and KACC 0300. Introduction to the basic heating and refrigeration fundamentals of larger commercial HVAC systems. Emphasis is on compliance to federal Indoor Air Quality(IAQ) requirements and IEEE energy efficiency standards for commercial facilities.

KACC 0440 – Commercial Heat/Refrigeration **80 hrs**
Prereq: School of App Tech assessment, KACC 0100, KACC 0105, KACC 0200, KACC 0220, KACC 0230, KACC 0240, KACC 0250 and KACC 0300. Introduction to commercial heating and refrigeration applications other than commercial HVAC systems. Focus is on safe and efficient commercial food handling and storage and other miscellaneous applications.

KACC 0500 – Capstone Project **80 hrs**
Prereq: School of App Tech assessment, KACC 0100, KACC 0105, KACC 0200, KACC 0220, KACC 0230, KACC 0240, KACC 0250 and KACC 0300 and completion of two of the following courses: KACC 0400, KACC 0420, KACC 0440. The student develops a personal choice project that applies the skills learned throughout the program. Students design the project focusing on energy efficiency with instructor input.

KACC 0990 – HVAC Externship **80 - 240 hrs**
Prereq: To enroll, students must have either completed the full HVAC program or have completed all courses in the program with the exception of KACC 0500. Students must meet the employment eligibility standards of Questar Gas and apply and be accepted by Questar Gas to enroll in this course. This course allows HVAC students a supervised paid work experience with Questar Gas assisting to perform semi-skilled and skilled routine HVAC job tasks.

KACK 0110 – Beginning Keyboarding **12 hrs**
This course teaches the efficient operation of the keyboard, including the touch method of operation (without looking at the keyboard), correct techniques, and correct fingering.

KACK 0130 – Ten-Key **40 hrs**
Students learn basic ten-key calculator concepts and applications using the touch method, with emphasis on attaining speed, accuracy, and skills necessary to qualify for an entry-level job.

KACK 0140 – Computer Concepts/Windows **45 hrs**
Students learn basic Windows skills: working with WordPad and Paint programs, managing files using My Computer/Windows Explorer, customizing the Windows environment, and using various search engines to become familiar with the Internet.

KACK 0150 – Customer Service/Life Skills **60 hrs**
The class covers professionalism as it pertains to attitude, ethics, communications, appearance, verbal presentation, conflict mgt. /resolution, problem-solving, team skills, telephone etiquette, note taking, closing sales and life skills.

KACK 0160 – Keyboard Skill Building **113 hrs**
Prereq: KACK 0110. This course reinforces the touch method of keyboarding, with emphasis on attaining the speed, accuracy, and knowledge necessary for an entry-level job.

KACK 0170 – Word Processing (MS Word Core) **35 hrs**
Prereq: KACK 0110 and KACK 0140. Students learn basic word-processing skills, such as creating, opening, closing, editing, saving, and managing files; line and page formatting; using the speller and thesaurus; also formatting letters, memos, and tables.

KACK 0180 – Business Communications **60 hrs**
Students learn principles of English grammar; spelling; paragraph, essay, letter, and memo writing; proofreading; and dictionary and reference manual usage.

KACK 0190 – Presentations(PowerPoint Core) **30 hrs**
Prereq: KACK 0140. Students learn and demonstrate MS PowerPoint presentation software including creating, modifying, enhancing, and formatting slides and using embedding techniques.

KACK 0200 – Spreadsheets (Excel Core) **35 hrs**
Prereq: KACK 0140. Hands-on simulations assist students in acquiring basic skills, which include building, editing, and formatting worksheets and charts, and working with formulas and functions.

KACK 0210 – Spreadsheets (MS Excel Expert) **35 hrs**
Prereq: KACK 0200. Hands-on simulations assist students in acquiring skills in importing and exporting data, using templates, formatting numbers, using named ranges, toolbars, macros, and analysis tools; auditing worksheets; collaborating with workgroups.

KACK 0220 – Accounting (Mod 1 & 2) **120 hrs**
Prereq: KACK 0130. Students learn the skills required to record entries on balance sheets, in general journals and ledgers, as well as on worksheets and financial statements.

KACK 0230 – Accounting Office Procedures **15 hrs**
Students learn business alphabetic filing skills and other basic accounting office procedures. information, team skills, reprographic resources, and office mechanics, using Power Point office software.

KACK 0240 – Computer-Assisted Accounting **35 hrs**
Prereq: KACK 0140. Using a hands-on approach, students learn computerized accounting. They enter realistic accounting transactions for various business applications and generate financial statements and other management information reports.

KACK 0250 – Quick Books **65 hrs**
Prereq: KACK 0140. Students will learn to use the QuickBooks software to its full potential. Practical examples and exercises will show how to utilize functions that will allow you to record all regular and special transactions and produce reports.

KACT 0110 – Spreadsheets 1 **35 hrs**
Introduces spreadsheet functions and applications. Students will learn how to design, create, manipulate, calculate, and present data. Students will utilize critical thinking skills and apply spreadsheet techniques in developing information for business applications.

KACT 0115 – Basic Spreadsheets **40 hrs**
Students learn basic spreadsheet skills including creating, editing, saving and printing worksheets and workbooks; manipulating and formatting worksheets; creating and using formulas and functions; creating, editing, and formatting charts; creating and manipulating tables and using What-If analysis tools.

KACT 0120 – Spreadsheets 2 **35 hrs**
Prereq: KACT 0110. This is a continuation of Spreadsheets I and is designed to provide students with advanced knowledge of formatting techniques, spreadsheet functions, analysis tools, and management techniques.

KACT 0125 – Comprehensive Spreadsheets **80 hrs**
Students learn basic to advanced spreadsheet skills including creating and using worksheets and workbooks; formatting; formulas and functions; charts; table analysis tools; audit and validate workbooks; inserting graphics and hyperlinks; consolidating data and linking workbooks; sorting and filtering; work with external data sources; data tables; PivotTables; macros; templates; sharing workbooks. Comprehension levels: Math 8th grade, Reading 10th grade, Vocabulary 10th grade

KACT 0130 – Accounting 1 **30 hrs**
Prereq: KACT 0170. Records Management This course emphasizes the accounting requirements for sole proprietorship and service businesses in manual systems. The accounting cycle is covered, from the original business transaction to posting transactions, to the General Ledger, including the preparation and interpretation of financial statements.

KACT 0135 – Accounting **140 hrs**

This course takes students from an introduction to the accounting cycle, the double entry framework and the basic concepts in accounting all the way to the generation of financial statements and the year end accounting procedures for service and merchandising businesses. It emphasizes in the use of manual systems.

KACT 0140 – Accounting 2 **30 hrs**

Prereq: KACT 0170 and KACT 0130. This course emphasizes the accounting requirements for service businesses using manual systems. This part of the accounting course emphasizes adjustments, worksheets, and methods to find errors. It also explains cash, modified cash, and accrual methods of accounting.

KACT 0150 – Accounting 3 **30 hrs**

Prereq: KACT 0140. Accounting 2 Emphasizes how to calculate employee earnings and deductions, payroll records, taxes, merchandise sales transactions, sales accounts, accounts receivable ledger, merchandise purchases, accounts payable ledger and how to prepare a schedule of accounts payable.

KACT 0160 – Accounting 4 **30 hrs**

Prereq: KACT 0150. Accounting 3 This course emphasizes accounting requirements for service businesses using manual systems, and the use of special journals, inventory accounting and adjustments, year end accounting, and financial statements.

KACT 0170 – Records Management **30 hrs**

Students learn business alphabetic filing skills.

KACT 0180 – QuickBooks 1 **40 hrs**

The student will learn to navigate and utilize the QuickBooks Home Page, open and backup company files, display and edit the chart of accounts, and utilize the Banking, Customer, Vendor, and Items and Services sections.

KACT 0185 – Basic QuickBooks **40 hrs**

This course teaches students on how to utilize QuickBooks to create companies, record transactions and adjust and correct entries.

KACT 0190 – QuickBooks 2 **40 hrs**

Prereq: KACT 0180. QuickBooks 1 The student will learn to utilize the Employees section of QuickBooks, enter and adjust journal entries, utilize the Report Center to print reports and financial statements, and use the EasyStep Interview to set up a new company.

KACT 0195 – Comprehensive QuickBooks **80 hrs**
This course teaches students on how to utilize QuickBooks to create companies, record transactions and adjust and correct entries.

KACT 0310 – Computerized Accounting **70 hrs**
Students perform accounting functions including, setting up a company, accounting for daily transactions, managing inventory, processing payroll, working with bank accounts and preparing financial statements.

KACT 0320 – Financial Records **90 hrs**
Keeping accurate financial records is a vital part of every office. This course focuses on the basic skills, knowledge and procedures needed by entry-level office employees.

KACT 0330 – Accounting I **60 hrs**
Learn the fundamentals of a double-entry accounting system through hands-on experience working through the accounting cycle of a service business from source documents to financial statements.

KACT 0340 – Accounting II **60 hrs**
Learn to maintain payroll records and the additional accounting records for a merchandising business. Learn how to prepare financial statements as well as prepare and maintain payroll records.

KALL 0110 – Integrated Learning Lab **64 hrs**
Students receive supplementary computer-assisted instruction in math, reading comprehension, vocabulary, spelling, grammar, and GED subjects.

KAOS 0110 – Beginning Keyboarding **20 hrs**
This course teaches the efficient operation of the keyboard, including the touch method of operation, correct techniques, and correct fingering.

KAOS 0120 – Keyboard Skill Building 1 **60 hrs**
Prereq: Keyboarding Basics KAOS 0110. This course reinforces the touch method of keyboarding, with emphasis on attaining speed, accuracy, and knowledge necessary for an entry-level job.

KAOS 0125 – Beginning & Basic Keyboarding **80 hrs**
This course teaches and reinforces the touch method of keyboarding, with emphasis on attaining the speed, accuracy, and knowledge necessary for an entry-level job.

KAOS 0130 – Keyboard Skill Building 2 **40 hrs**
Prereq: Keyboarding Skill Building 1 KAOS 0120. This course reinforces the touch method of keyboarding, with emphasis on attaining the speed, accuracy, and knowledge necessary for an entry-level job.

KAOS 0135 – Comprehensive Keyboarding **120 hrs**
This course teaches and reinforces the touch method of keyboarding, with emphasis on attaining the speed, accuracy, and knowledge necessary for an entry-level job.

KAOS 0140 – Ten-key 1 **30 hrs**
Students learn basic ten-key calculator concepts and applications using the touch method, with emphasis on attaining speed, accuracy, and skills necessary to qualify for an entry-level job.

KAOS 0145 – Basic Ten-Key **250 hrs**
This course teaches basic ten-key calculator concepts and applications using the touch method, with emphasis on attaining speed, accuracy, and skills necessary to qualify for an entry-level job.

KAOS 0150 – Ten-key 2 **30 hrs**
Students learn basic ten-key calculator concepts and applications using the touch method, with emphasis on attaining speed, accuracy, and skills necessary to qualify for an entry-level job.

KAOS 0155 – Intermediate Ten-Key **50 hrs**
This course teaches basic ten-key calculator concepts and applications using the touch method, with emphasis on attaining speed, accuracy, and skills necessary to qualify for an entry-level job.

KAOS 0160 – Ten-key 3 **20 hrs**
Prereq: KAOS 0150. Students learn the basic ten-key calculator concepts and applications using the touch method, with emphasis on attaining speed, accuracy, and skills necessary to qualify for an entry-level job.

KAOS 0165 – Comprehensive Ten-Key **75 hrs**
This course teaches basic ten-key calculator concepts and applications using the touch method, with emphasis on attaining speed, accuracy, and skills necessary to qualify for an entry-level job.

KAOS 0170 – Computer Concepts **30 hrs**
It introduces spreadsheet functions and applications. Students will learn how to design, create, manipulate, calculate, and present data. Students will utilize critical thinking skills and apply spreadsheet techniques in developing information for business applications.

KAOS 0180 – Word Processing 1 **40 hrs**
Prereq: KAOS 0110 and KAOS 0170. Students learn basic word processing skills including creating, opening, closing, editing, saving, and managing files; character, paragraph, and page formatting; using the spell check and thesaurus; and formatting letters and memos.

KAOS 0185 – Basic Word Processing **40 hrs**
Students learn basic word processing skills including creating, opening, closing, editing, saving, printing, and managing files; character, paragraph, and page formatting; using the spell check and thesaurus; formatting letters and memos; creating and utilizing tables and columns.

KAOS 0190 – Word Processing 2 **35 hrs**
Prereq: KAOS 0180, Word Processing 1. This course will cover intermediate skills using Microsoft Word. Students learn how to create and format basic and advanced tables; create and format multiple column layouts; and insert and format graphics including clip art, word art, text boxes, SmartArt, and charts.

KAOS 0195 – Comprehensive Word Processing **80 hrs**
Students learn basic to advanced word processing skills including creating, editing formatting, and printing documents; using reference tools; tables and columns; inserting graphics; mail merge; fields and forms; macros; footnotes, endnotes, bibliographies, outlines, and table of contents; create comments; compare and merge documents; track changes; and create hyperlinks.

KAOS 0200 – Word Processing 3 **35 hrs**
Prereq: KAOS 0180, Word Processing 2. Students learn advanced word processing skills including mail merge, creating, editing and running macros, and long document formatting including footnotes, endnotes, bibliography, table of contents, and indexes. Course also covers comparing and merging documents, tracking changes, and creating hyperlinks.

KAOS 0210 – Business Communications 1 **35 hrs**
Students learn basic principles of English grammar including punctuation, number usage, capitalization, sentence structure, nouns, pronouns, and verbs. In addition, the course includes spelling, dictionary and reference manual usage, paragraph and essay writing, and proofreading.

KAOS 0215 – Basic Business Communications **40 hrs**
Students learn basic principles of English grammar including punctuation, number usage, capitalization, sentence structure, nouns, pronouns, and verbs. In addition, the course includes spelling, dictionary and reference manual usage, paragraph and essay writing, and proofreading.

KAOS 0220 – Business Communications 2 **15 hrs**
Business Communications 1 (KAOS 0210). Students learn basic principles of English grammar including adjectives, adverbs, prepositions, and conjunctions. In addition, the course includes spelling, reference manual usage, memo, letter writing, and proofreading.

KAOS 0225 – Intermediate Business Commun 58 hrs
Students learn basic principles of English grammar including punctuation, capitalization, number usage, sentence structure, nouns, pronouns, verbs, adjectives, adverbs, prepositions, and conjunctions. In addition, the course includes spelling, dictionary and reference manual usage, paragraph, e-mail, essay, memo, and letter writing, and proofreading.

KAOS 0230 – Buisness Communications 3 10 hrs
Prereq: Business Communications 2 (KAOS 0220). Students learn spelling, proofreading, and principles of English grammar including misused verbs and word choice.

KAOS 0235 – Advanced Business Commun 69 hrs
Students learn basic principles of English grammar including punctuation, capitalization, number usage, sentence structure, nouns, pronouns, verbs, adjectives, adverbs, prepositions, conjunctions, misused verbs, and appropriate word choice. In addition, the course includes spelling, dictionary and reference manual usage, paragraph, e-mail, essay, memo, and letter writing, and proofreading.

KAOS 0240 – Business Communications 4 20 hrs
Prereq: Business Communications 3 (KAOS 0230). Consists of basic principles of English grammar including verb tense, phrases, and clauses. In addition, students learn spelling, proofreading, reference manual usage, and report writing.

KAOS 0245 – Comprehensive Business Commun 90 hrs
Students learn basic principles of English grammar including punctuation, cap, number usage, sent structure, nouns, pro, verbs, adjectives, adv, prep, conj, misused verbs, appropriate word choice, verb tense, phrases, and clauses. In addition, the course includes spelling, dictionary and reference manual usage, paragraph, e-mail, essay, memo, letter, and report writing, and proofreading.

KAOS 0250 – Customer Service/Life Skills 60 hrs
This class covers professionalism as it pertains to attitude, ethics, communications, appearance, verbal presentation, conflict management/resolution, problem solving, team skills, telephone etiquette, note taking, closing sales, up-selling, and life skills.

KAOS 0260 – Presentations 30 hrs
Introduces spreadsheet functions and applications. Students will learn how to design, create, manipulate, calculate, and present data. Students will utilize critical thinking skills and apply spreadsheet techniques in developing information for business applications.

KAOS 0270 – Database 40 hrs
This course introduces spreadsheet functions and applications. Students will learn how to design, create, manipulate, calculate, and present data. Students will utilize critical thinking skills and apply spreadsheet techniques in developing information for business applications.

KATO 0010 – Introduction and Safety **30 hrs**
An introduction to the automotive shops. Emphasis is on shop safety and HazMat handling and disposal.

KATO 0020 – Math for Automotive Techs **60 hrs**
An introduction to basic math used in automotive technology, includes operations with whole numbers, fractions, decimals, averages and percentages.

KATO 0031 – Steering and Suspension I **40 hrs**
In the first of three courses, students learn repair of automotive suspension and steering systems. Instruction focuses on diagnosing and replacement of suspension components.

KATO 0041 – Brake Systems I **50 hrs**
In the first of three courses, students learn to diagnose and repair automotive brake systems. Emphasis is placed on the function, diagnosis, and repair of the hydraulic brake system.

KATO 0111 – Practical Shop Applications **80 hrs**
Learn the proper use and identification of hand and power tools; safe and proper lifting of vehicles; use of taps/dies torque wrenches, and precision instruments; automotive manuals; and estimating customer vehicle repairs.

KATO 0130 – Utah State Inspection **16 hrs**
Completion of this course certifies proficient light-duty inspection skills in accordance with Utah state law. Prepares students to pass the Utah State Safety Inspection Test.

KATO 0141 – Technical Essentials **90 hrs**
Learn the basic functions and components of automotive systems, including basic design of manual and automatic transmissions, differentials, drive axles, engines, brakes, suspension systems. Includes vehicle inspection.

KATO 0151 – Preventive Main & Service I **130 hrs**
Covers preventive maintenance and the proper techniques of basic service in the automotive industry. Includes changing fluids, tire dismounting/mounting, balancing, electrical theory, exhaust welding and basic diagnostic skills.

KATO 0211 – Steering and Suspension II **70 hrs**
With a focus on ASE/NATEF standards, covers diagnosis and repair of steering and power steering systems. Includes alignments, diagnosing and replacement of steering and suspension components, tire repair and alignments.

KATO 0220 – Steering and Suspension III **90 hrs**
The third course in the series focuses on diagnosis, inspection, adjustment and repair of tire wear and wheel alignments, diagnosing and replacement of steering and suspension components. Conforms to ASE/NATEF standards.

KATO 0221 – Steering and Suspension III **70 hrs**
The third course in the series focuses on diagnosis, inspection, adjustment and repair of tire wear and wheel alignments, diagnosing and replacement of steering and suspension components. Conforms to ASE/NATEF standards.

KATO 0311 – Brake Systems II **50 hrs**
While focusing on ASE/NATEF standards, the second course in the series focuses on inspection, adjustment, and repair of automotive brake systems.

KATO 0321 – Brake Systems III **90 hrs**
While focusing on ASE/NATEF standards, the third course in the series focuses on parking brake systems, power assist units, wheel bearings, and anti-lock brakes. Includes diagnosis, repairs and proper service of components.

KATO 0510 – Electrical/Electronics I **60 hrs**
While conforming to ASE/NATEF standards, the first course focuses on electrical principles, basic circuits and electrical components. Includes electrical theory, Ohms law, troubleshooting and diagnosis.

KATO 0521 – Electrical/Electronics II **50 hrs**
While conforming to ASE/NATEF standards, the second course focuses on Ohms law, series and parallel circuits, uses of wiring diagrams, troubleshooting, diagnosis, and electrical systems.

KATO 0531 – Electrical/Electronics III **180 hrs**
While conforming to ASE/NATEF standards, the third course focuses on diagnosis and repair of major electrical systems, such as lighting, instrument clusters, wipers, and inflatable restraint systems.

KATO 0611 – Engine Performance I **90 hrs**
While conforming to ASE/NATEF standards, this course focuses on diagnosing engine conditions and the operation and repair of ignition systems.

KATO 0621 – Engine Performance II **270 hrs**
While conforming to ASE/NATEF standards, the second course focuses on air induction and exhaust systems, fuel systems, emission systems, and onboard computer powertrain controls. Focuses on diagnosis and repair.

KBA1 0102 – Basic Comp. Skills-Professions **30 hrs**
Provides entry level skills in basic computer use needed in the workplace. Covers common features of word processing, spreadsheet, internet use and e-mail.

KBA1 0110 – Computer Literacy (IC3 Skills) **90 hrs**
Provides an understanding of computing concepts including knowledge and use of computer hardware, software and operating systems. Covers common features of word processing, spreadsheet and database applications, internet use and e-mail.

KBA2 0180 – E-mail Client (MS Outlook) **60 hrs**
Prepares students for Microsoft Outlook Certification. MS Outlook is an application that provides tools to send and receive e-mail, organize schedules and events and maintain contact lists, to-do lists and notes.

KBA2 0910 – Integrated Project **60 hrs**
This course integrates student knowledge and skills. Students apply decision-making, critical thinking and problem-solving skills in completing realistic business projects. May be completed as part of an internship or externship.

KCDL 0100 – CDL Learner's Permit **16 hrs**
Prepare for the CDL learner's permit written test with the following endorsements: general knowledge, air brakes, and combinations (tractor and single trailer). Additional endorsement riders can be obtained at $10 each.

KCDL 0120 – CDL License Upgrade **80 hrs**
This course is designed to give students who are sponsored by companies backing skills, over-the-road driving practice, shifting and other skills required by their employer. Includes the CDL road test.

KCMA 0010 – Intro to Clinical Medical Asst **20 hrs**
An overview of the Medical Assistant profession and role in the health care environment.

KCMA 0020 – Medical Asepsis & Govt Regs **20 hrs**
Provides the guidelines for personal safety and well being of staff and patients. Students learn and practice CDC guidelines for hand hygiene and apply government regulations for standard and biohazard wastes.

KCMA 0030 – Law & Ethics in Medical Office **20 hrs**
An introduction to the legal and ethical issues that impact the health care setting.

KCMA 0040 – Psych & Patient Communication **20 hrs**
Provides basic principles of psychology required in a health care environment. Students are exposed to ethnic cultures and the differences in expectations for medical care.

KCMA 0061 – Medical Office Communications **25 hrs**
Prereq: KCMA 0040. Certifies proficient medical office communication skills. Introduction to medical terminology, suffixes, and prefixes.

KCMA 0065 – Med Off Comm & Records **55 hrs**
Prereq: KCMA 0105. Provides training in proficient medical office communication and administrative skills, the fundamentals of beginning and tracking a patient record using both paper and electronic medical record (EMR) software. Introduction to medical terminology suffixes and prefixes.

KCMA 0070 – Tracking Patient Records **20 hrs**
Provides the fundamentals of beginning and tracking a patient record using both paper records and electronic medical records (EMR) software.

KCMA 0080 – Vital Signs/CPR/First Aid **20 hrs**
Provides a fundamental understanding of vital signs and how to accurately take them.

KCMA 0091 – Phlebotomy **35 hrs**
Prereq: KCMA 0080. Provides a fundamental understanding of phlebotomy and enables students to perform venipuncture using vacutainer, butterfly, and syringe.

KCMA 0100 – Intro to Clinical Laboratory **20 hrs**
Completion of this course certifies proficient understanding of the basic concepts and procedures of clinical assisting.

KCMA 0105 – Working in the HC Environ **70 hrs**
Prereq: KAOS 0110 and KAOS 0170. An overview of the medical assistant profession and its role in the health care environment, introduction to the legal and ethical issues that impact the healthcare setting, basic principles of psychology in a health care environment and the impact of ethnic cultures in healthcare as well as introduction to medical terminology in these areas.

KCMA 0115 – MA Proc 1 **95 hrs**
Prereq: KCMA 0065. Provides the guidelines for personal safety and well-being of staff and patients learning and practicing the CDC guidelines for hand hygiene and government regulations for standard and biohazard wastes. Provides a fundamental understanding of vital signs, basic first aid and healthcare provider level CPR. Provides a fundamental understanding and skill in phlebotomy.

KCMA 0120 – Hematology/Serology **20 hrs**
Learn proper handling and performance of hematology/ serology labs.

KCMA 0125 – MA Proc 2 **60 hrs**
Prereq: KCMA 0115. Provides understanding of basic concepts, safety and procedures of clinical lab. Learn proper handling and performance of CLIA waived hematology/serology labs and proper specimen handling and performance of microbiology and urinalysis testing.

KCMA 0130 – Microbiology/Urinalysis **20 hrs**
Learn proper handling and performance of microbiology and urinalysis testing.

KCMA 0135 – MA Proc 3 **110 hrs**
Prereq: KCMA 0125. Provides understanding of the basic skills and procedures for assisting with patient exams. Learn to prepare patients for diagnostic, therapeutic, rehabilitation, and radiology procedures. Provides understanding of heart anatomy and electrical physiology as students properly perform ECG's. Learn to calculate medication dosages and administer nonparenteral and parenteral medications.

KCMA 0140 – Cardiology Procedures with ECG **30 hrs**
This course provides understanding of heart anatomy and electrical physiology. Students will properly perform ECG’s.

KCMA 0160 – Intro to Insurance Procedures **20 hrs**
Provides an introduction to medical insurance.

KCMA 0165 – Intro Med Ins & Billing Proc **40 hrs**
Prereq: KCMA 0065. Provides an introduction to medical insurance procedures. Exposes the clinical medical assistant to medical office financial procedures.

KCMA 0170 – Financial Procedures/Sched **20 hrs**
Exposes the clinical medical assistant to medical financial procedures.

KCMA 0180 – Intro to Assisting with Exams **20 hrs**
Certifies proficient understanding of the basic skills and procedures for assisting with patients.

KCMA 0191 – Intro to Pharmacology **30 hrs**
Prereq: KCMA 0180. Learn to calculate medication dosages and administer nonparenteral and parenteral medications.

KCMA 0200 – Assisting w/Office Procedures **220 hrs**
Fourteen modules cover medical assisting in a variety of medical office procedures and/or exams.

KCMA 0220 – Therapeutic & Rehabilitation **20 hrs**
Learn to prepare patients for therapeutic and radiology procedures.

KCMA 0420 – Final Review & Cert Prep **10 hrs**
Focuses on performance of medical assisting tasks under the supervision of nursing and medical staff. A final job requirement.

KCMA 0431 – Clinical Medical Assisting **165 hrs**
This course provides an opportunity for students to demonstrate and practice their medical assisting skills in a clinical setting.

KCMS 0110 – Computer Technology Basics **120 hrs**
This course consists of touch keyboarding (minimum 20 wpm), basic computer hardware and software, DOS, Windows and other operating systems (with an introduction to Unix/Linux), and Internet and E-mail.

KCMS 0116 – Computer Literacy Basics **168 hrs**
Gives computer literacy training including personal computer hardware, Windows/DOS, email/internet, keyboarding, word-processing, and spreadsheets. Students prepare for the IC3 industry certification exams.

KCMS 0126 – Hardware & Software Basics **168 hrs**
This accelerated course covers techniques for basic computer hardware and operating systems, including installing, building, upgrading, repairing, configuring, troubleshooting, diagnosing, with elements of soft skills and security.

KCMS 0136 – Computer Components **75 hrs**
Prereq: Minimum basic skills required as defined by program. Please see an admissions advisor. This accelerated course covers techniques for basic computer hardware and operating systems, including installing, building, upgrading, repairing, configuring, and troubleshooting.

KCMS 0140 – Storage and Multimedia **75 hrs**
Prereq: minimum basic skills required as defined by program. Please see an admissions advisor. This accelerated course is a continuation of KCMS 0136 which covers techniques for basic computer hardware and operating systems, including installing, building, upgrading, repairing, configuring, and troubleshooting.

KCMS 0151 – Wired and Wireless **75 hrs**
Prereq: Minimum basic skills required as defined by program. Please see an admissions advisor. This course stresses troubleshooting and interacting with customers remotely via the telephone or e-mail. It is targeted to individuals who work or intend to interact with clients resolving technical issues.

KCMS 0180 – Software and Security **75 hrs**

Prereq: Minimum skills required as defined by program. Please see an admissions advisor. This course is a continuation of KCMS 0151 which stresses troubleshooting and interacting with customers remotely via the telephone or e-mail. It is targeted to individuals who intend to interact with clients resolving technical issues.

KCMS 0201 – Basic Externship **75 hrs**

Prereq: KCMS 0180 and instructor approval. Students will participate in an externship with a local company and will learn and experience first-hand, strong teamwork skills which should prepare them as viable, experienced job applicants when seeking employment after graduation.

KCMS 0202 – Advanced Externship **75 hrs**

Prereq: KCMS 0201. In this elective, students will continue the cooperative externship with a local company. The student will receive additional hands-on experience and teamwork skills providing them with additional hours in the workplace setting.

KCMS 0210 – Networking Technologies-Elect. **168 hrs**

Students learn basic computer networking terms and concepts, the OSI model, transmission media, and protocols as well as many various vendor protocols used in LAN and WAN network implementation. Prepares student for Network+ Certification.

KCMS 0240 – Intro to Networking Technology **75 hrs**

Prereq: Minimum basic skills required as defined by program. Please see an admissions advisor. This course covers techniques of basic networking technologies and operating systems, including installing, building, upgrading, repairing, configuring, troubleshooting, diagnosing, and security.

KCMS 0250 – Advanced Network Technology **75 hrs**

Prereq: KCMS 0240. This course is a continuation of KCMS 0240 which covers techniques of basic networking technologies and operating systems, including installing, building, upgrading, repairing, configuring, troubleshooting, diagnosing, and security.

KCMS 0350 – Customer Service Help Desk **75 hrs**

This course takes a detailed look at the characteristics of excellent technical customer support including soft skills, business skills and self-management skills.

KCMS 0415 – Linux Administration **75 hrs**

Prereq: Minimum basic skills required as defined by program. Please see an admissions advisor. This Linux Administration course includes installation, command syntax, systems management, file systems, devices, upgrades, as well as other common administrative tasks. Can be used as preparation for the CompTIA Linux+ industry exam.

KCMS 0500 – Mac OS X Essentials **75 hrs**
This course covers basic installation, configuration, and support of Apple's OS X operating system.

KCMS 0520 – Advanced Mac OS **75 hrs**
Prereq: KCMS 0500. This course prepares students for advanced Mac OS tasks including working with images and video, printing, automation and troubleshooting.

KCMS 0810 – MTA Networking Fundamentals **50 hrs**
Prereq: KCMS 0180 or instructor permission. This course allows students to gain a solid foundation for understanding networking concepts upon which more advanced topics and technologies can be built. Students will learn networking components, understand the OSI model, core TCP/IP protocols, and how to network components. For students to successfully pass this this course, they must earn Microsoft MTA certification # 98-366.

KCMS 0820 – MTA Security Fundamentals **50 hrs**
Prereq: KCMS 0180 or instructor permission. This course is designed to provide students with knowledge of fundamental security concepts. Students will become familiar with the concepts and the technologies relevant to Windows Server, Windows based networking, Active Directory, Anti-Malware products, firewalls, network topologies and devices, and network ports.

KCMS 0830 – MTA Windows Server Admin **50 hrs**
Prereq: KCMS 0180 or instructor permission. This course allows students to gain a solid foundation for understanding Windows server administration which more advanced topics and technologies can be built. Students understanding and install a server, demonstrate the various roles of a server, and how server performance and maintenance impacts a network.

KCMS 0840 – MTA Windows OS Fundamentals **50 hrs**
Prereq: KCMS 0180 or instructor permission. This course allows students to gain a solid foundation for understanding of the Windows desktop operating system. Students will learn such essentials as clean installs versus upgrades, configuration, security, file and device management, Group Policy, and more.

KCNA 0010 – CPR Health Care Professionals **4 hrs**
Prepares and certifies students in CPR for Health Care Professionals.

KCNA 0100 – Patient Care Theory **74 hrs**
Students learn the skills required to meet the needs of acute, chronic, long-term, and chronically ill patients in hospitals, long-term care facilities, and in the home, while preparing for the state Certified Nurse Assistant exam.

KCNA 0110 – Skills Lab **20 hrs**
This lab must be taken concurrently with the Patient Care Theory course. Students will practice and demonstrate patient care skills that align with the theory portion of the program.

KCNA 0120 – Patient Care Long Term Clinic **16 hrs**
Students practice and demonstrate patient care skills in a long term care facility.

KCNA 0140 – Patient Care Acute Care Clinic **12 hrs**
Students practice and demonstrate patient care skills in a hospital.

KCNA 0300 – Restorative Nursing Assistant **60 hrs**
Prereq: CNA, can be taken concurrently while enrolled in the Certified Nursing Assistant program. Students acquire the skills needed to meet the needs of residents in long-term care facilities to promote their ability to adapt and adjust to living as independently as possible.

KECT 0120 – RF Communications **96 hrs**
Prereq: Analog Circuits, Digital Circuits Principles of AM, FM, phase, pulse modulation, transmission lines/antennae, satellite transmission/ reception, receivers/transmitters, analog/digital television, telephony, data, and GPS.

KECT 0130 – Transmit Lines/Antennas/Towers **48 hrs**
Prereq: KECT 1020, RF Communications or equivalent. Principles of transmission lines, antennas, antenna types, signal levels, site surveys, grounding, towers, wiring, and interference.

KECT 0140 – Microwaves **72 hrs**
Prereq: RF Communications. The course covers solid state microwave passive and active components, basic principles and operation of microwave systems, and use of Smith chart to determine transmission line parameters/test equipment operation.

KECT 0150 – Fiber Optics **72 hrs**
Prereq: RF Communications. Laser applications, technology, and theory, including the principles of optical fibers, applications, techniques, and devices used to connect fiber networks. Modern communication systems that use optics are explored.

KECT 0155 – Introduction to Mobile Systems **48 hrs**
Prereq: RF Communications. Covers base simplex operation, mobile relay, remote control, RF link, trunking, multisite systems, simulcast, satellite voltage systems, CTCSS, DCSS, point-to-point and point-to multipoint transmission, and SCADA.

KECT 0160 – Federal Regulations **24 hrs**
Prereq: RF Communications. Review of federal regulations including FCC, FAA, OSHA, and NEC, with regard to communications.

KEET 0100 – LabVIEW Basics: Introd & Dev. **96 hrs**
Prereq: Experience with Microsoft Windows and writing algorithms in the form of flowcharts or block diagrams. The course introduces the LabVIEW environment, its features, dataflow programming, and common architectures. It also teaches you to design complete, stand-alone applications. Prepares for Associate Developer Cert.

KEET 0400 – Schematic Capture & Simulation **72 hrs**
Prereq: Completed Electronics Core or Equivalent. This course introduces the Multisim integrated capture and simulation design environment. Learn how to build a schematic and evaluate circuit performance through interactive simulation and analyses.

KEET 0500 – Printed Circuit Board Design **72 hrs**
Prereq: Completed Electronics Core or equivalent and KEET-0400. This PCB layout course provides the basics of the Utiliboard environment. It prepares you to transfer Multisim schematic netlists to Ultiboard and design a printed circuit board for export to production.

KELA 0151 – Universal Assembly and Repair **72 hrs**
A project oriented course that provides basic soldering and assembly skills required of electronics technicians. The focus is on thru-hole soldering to industry specifications.

KELA 0161 – Surface Mount Technology **72 hrs**
Prereq: KELA 151 or equivalent education or experience, must provide proof of this to dept. Learn theory, installation, and quality workmanship methods involved in surface mount technologies (SMT), including component identification, placement, and rework soldering techniques.

KELA 0172 – IPC-A-610E Cert IPC Specialist **36 hrs**
Designed and certified by IPC. Enables students to make correct accept/reject decisions for appropriate class(es) of electronic assemblies. Certification earned through examination.

KELA 0190 – Basic Assembly and Soldering **24 hrs**
A basic assembly and soldering skills course required of communications electronics technicians. The focus is hand-on thru-hole soldering to industry specifications.

KEMA 0167 – IPC-J-STD-001E Cert **36 hrs**
Prereq: Students must have quality through-hole and surfact-mount soldering background: Universal Assembly and Repair (KELA 0151 or equivalent) Surface Mount Assembly (KELA 0161 or equivalent) IPC 610 E Certification Specialist (KETA 0172 or equivalent) or instructor permission based on industry experience or other factors that suggest the student will be successful in this course. J-STD-001 E is a consensus standard for soldering materials/ processes using lead-tin and lead-free solder. Course has practical and academic elements. Certification requires practical and written exams.

KEMA 0168 – IPC/WHMA-A-620 Cert **64 hrs**
IPC/WHMA-A-620 is a consensus standard for requirements and acceptance for cable and wire harness assemblies. Prepares students for the IPC written Certification Exam.

KEMA 0180 – Electromechanical Project **70 hrs**
This project-based course combines material from previous courses with industry requirements to complete an entire project. Mechanical/electronics assembly/safety/handling/ cleaning, and cabling/harnessing are emphasized.

KESL 0010 – ESL Pre to-Beginning Literacy **1 hrs**
Prereq: CASAS 0-150. Introduction to basic reading, writing, and communication skills.

KESL 0020 – Low Beginning ESL **1 hrs**
Prereq: CASAS 151-179. Introduction to basic reading, writing, and communication skills.

KESL 0110 – Level 1 - Beginning Grammar **120 hrs**
Prereq: A score of 0-20 on the CELSA test. Introduction to basic parts of speech and verb forms.

KESL 0112 – Beginning Grammar/Writing **90 hrs**
Prereq: CASAS 180-200, CELSA 10-20. Introduction to basic parts of speech, verb forms, and writing.

KESL 0120 – Level 1-Begin Read/Write/Speak **60 hrs**
Introduction to basic reading, writing, and communication skills.

KESL 0122 – Beginning Reading **45 hrs**
Prereq: CASAS 180-200, CELSA 10-20. Introduction to general reading skills.

KESL 0150 – Listening and Speaking Skills **60 hrs**
Prereq: CASAS 180-200. Introduce and develop listening strategies, vocabulary building, and speaking abilities in various contexts.

KESL 0152 – Beginning Listening/Speaking **45 hrs**
Prereq: CASAS 180-200, CELSA 10-20. Introduction to basic listening and speaking skills.

KESL 0190 – Level 1 Language Lab **60 hrs**
Prereq: CASAS 180-200. Computer-aided instruction in spelling, pronunciation, grammar, vocabulary, reading, writing, and keyboarding, and/or communicative activities to develop fluency.

KESL 0192 – Beginning Language Lab **45 hrs**
Prereq: CASAS 180-200, CELSA 10-20. Introduction to effective pronunciation and computers using ESL institutional software.

KESL 0210 – Level 2-Intermed. Grammar **120 hrs**
Introduction and practice of basic structures and usage: present, past, and future tenses; nouns and pronouns; basic modals; present and past perfect; count and non-count nouns and articles.

KESL 0211 – Grammar **60 hrs**
Prereq: CASAS 201-220. Introduction and practice of basic structures and usage: present, past and future tenses; nouns and pronouns; basic modals; present and past perfect; count and non-count nouns and articles.

KESL 0212 – Intermediate Grammar/Writing **90 hrs**
Prereq: CASAS 201-220, CELSA 21-39. Practice with basic verb forms and parts of speech. Introduction to perfect tenses. Short paragraph writing with correct grammar, sentence word order, capitalization and punctuation.

KESL 0220 – Level 2-Int. Read/Write/Speak **60 hrs**
Intermediate practice of reading and writing skills; vocabulary development; communication skills; cultural awareness.

KESL 0221 – Reading/Writing/Speaking **120 hrs**
Prereq: CASAS 201-220. Intermediate practice of reading and writing skills; vocabulary development; communication skills; cultural awareness.

KESL 0222 – Intermediate Reading **45 hrs**
Prereq: CASAS 201-221, CELSA 21-39. The focus is on developing reading and vocabulary skills.

KESL 0250 – Level 2-Inter Listen/Note-take **60 hrs**
Introduce and develop listening strategies, note-taking and organizational skills, vocabulary building, and speaking abilities in various contexts.

KESL 0251 – Listening and Speaking **60 hrs**
Prereq: CASAS 201-220. Introduce and develop listening and speaking fluency in various contexts, as well as build vocabulary.

KESL 0252 – Intermediate Listening/Speaking **45 hrs**
Prereq: CASAS 201-220, CELSA 21-39. Develop intermediate listening and speaking skills.

KESL 0253 – Intermediate Listen/Note Taking **45 hrs**
Prereq: CASAS 201-220, CELSA 21-39. Develop intermediate listening strategies and note-taking skills.

KESL 0310 – Level 3-Advanced Grammar **120 hrs**
Advanced grammatical and complex sentence structures: verb tense review; passive; complete modal usage; gerunds and infinitives; conditionals.

KESL 0311 – Grammar **60 hrs**
Prereq: CASAS 221-235. Advanced grammatical and complex sentence structures: Verb tense review; passive; complete modal usage; gerunds and infinitives; conditionals (optional).

KESL 0312 – Advanced Grammar/Writing **90 hrs**
Prereq: CASAS 221-235, CELSA 40-57. Extensive practice with all verb tenses. Introduction and practice with modals. Paragraph writing with correct grammar, sentence word order, capitalization and punctuation.

KESL 0320 – Reading **60 hrs**
Prereq: CASAS 221-235.Advanced reading and writing skills; vocabulary development; compositions; group discussions; presentations; cultural awareness.

KESL 0321 – Reading/Writing/Speaking **120 hrs**
Prereq: CASAS 221-235. Advanced reading and writing skills; vocabulary development; compositions; group discussions; presentations; cultural awareness.

KESL 0322 – Advanced Reading/Writing **45 hrs**
Prereq: CASAS 221-235, CELSA 40-57. The focus is on developing advanced reading and vocabulary skills.

KESL 0330 – Writing **60 hrs**
Prereq: CASAS 221-235. Advanced writing skills, including journal writing, writing portfolio, using rubric as assessment tool, and understanding of correct sentence structure.

KESL 0350 – Level 3-Adv. Listen/Note-take **60 hrs**
Refine listening strategies, note-taking and organizational skills, academic vocabulary building, cooperative speaking activities, and test-taking skills.

KESL 0351 – Listening and Speaking **60 hrs**
Prereq: Develop and refine listening skills and speaking fluency in various contexts, as well as build vocabulary.

KESL 0352 – Advanced Listening/Speaking **45 hrs**
Prereq: CASAS 221-235, CELSA 40-57. Develop and refine listening and speaking fluency in various contexts.

KESL 0353 – Advanced Listen/Note Taking **45 hrs**
Prereq: CASAS 221-235, CELSA 40-57. Develop advanced listening strategies and note-taking skills.

KESL 0450 – Language Lab **30 hrs**
Prereq: CASAS 221-235. Computer-aided instruction in spelling, pronunciation, grammar, vocabulary, reading, writing, and keyboarding, and/or communicative activities to develop fluency.

KESL 0452 – Language Lab **45 hrs**
Prereq: CASAS 201-235, CELSA 21-57. Improve pronunciation, conversational skills, language skills, and typing ability.

KESL 0455 – Language Lab **60 hrs**
Prereq: CASAS 180-235. Computer-aided instruction in spelling, pronunciation, grammar, vocabulary, reading, writing, and keyboarding, and/or communicative activities to develop fluency.

KESL 0460 – Pronunciation **60 hrs**
Prereq: CASAS 180-250. Assist students in speaking American English more clearly and effectively including focusing on individual problem areas.

KESL 0470 – Vocabulary/Dictionary Skills **60 hrs**
Prereq: CASAS 201-250. Develop and build essential vocabulary for work, school, and specific content areas. Learn and develop useful dictionary skills.

KESL 0480 – Effective Communication Skills **60 hrs**
Prereq: CASAS 201-250. Develop effective skills as needed for work and study for both oral and written communication. Develop an understanding of emotional intelligence and its impact.

KESL 0490 – Reading For Career Development **60 hrs**
Prereq: CASAS 221-250. Strengthen reading skills as needed for career and technical training using a variety of materials and in a variety of contexts.

KESL 0720 – Pre-College Reading/Writing **120 hrs**
Thorough review of English grammar as needed for reading and writing; advanced reading and vocabulary skills; summaries; essays.

KESL 0721 – Reading/Writing **120 hrs**
Prereq: CASAS 236-250. Advanced reading, critical thinking and vocabulary skills; summaries; essays.

KESL 0722 – Pre-College Reading/Writing **90 hrs**
Prereq: CASAS 236-250, CELSA 58-75. Advanced reading and vocabulary skills are practiced. Students are taught correct organizational styles for writing summaries of readings and college level essays.

KESL 0730 – Pre-College Listening/Speaking **60 hrs**
Note-taking skills; lecture comprehension; prepared speeches; community Service Learning.

KESL 0731 – Listening/Speaking **30 hrs**
Prereq: CASAS 236-250. Assist students in speaking American English more clearly, effectively, and fluently including focusing on individual problem areas.

KESL 0732 – Pre-College Listening/Speaking **21 hrs**
Prereq: CASAS 236-250, CELSA 58-75. Improve pronunciation and fluency of American English.

KESL 0740 – Pre-College Computer Skills **60 hrs**
Introduction and practice as needed for college success: word processing, e-mail, internet.

KESL 0742 – Pre-College Computer Lab **45 hrs**
Prereq: CASAS 236-250, CELSA 58-75.

KESL 0750 – Pre-College Workshop **30 hrs**
Pronunciation, debate, particular grammar points, vocabulary, etc. Student needs and interests determine actual curriculum.

KESL 0751 – Grammar **60 hrs**
Prereq: CASAS 236-250. Students will refine their grammar abilities for linguistic competence and accuracy.

KESL 0752 – Pre-College Grammar **45 hrs**
Prereq: CASAS 236-250, CELSA 58-75. A refining of grammar abilities for linguistic competence and accuracy.

KET2 0100 – Basic Computer Literacy **16 hrs**
Provides computer literacy skills including Windows, email/internet, word-processing, and spreadsheets.

KET2 0128 – Electronics Math 1 **72 hrs**
The Electronics Math 1 includes modules such as basic Math, Algebra fundamentals, and graphing.

KET2 0129 – Electronics Math 2 **72 hrs**
Prereq: KET2 0128. The Electronics Math 2 includes modules such as Trigonometry fundamentals, logarithm in electronics, math for digital electronics, and an introduction to statistics in electronic electronics.

KET2 0135 – DC Fundamentals **72 hrs**
Prereq: KET2 0128 and 129. DC circuit fundamentals, component characteristics, analysis, formulas, and theory. Lab and lecture combination to apply theory concepts and learn practical aspects of DC fundamentals/measurements.

KET2 0136 – DC Circuits **72 hrs**
Prereq: KET2 0135. DC circuits fundamentals, analysis, formulas, and theory. Lab and lecture combination to apply theory concepts and learn practical aspects of DC fundamentals, measurements, troubleshooting, and circuit construction.

KET2 0147 – AC Fundamentals **72 hrs**
Prereq: KET2 0136. Fundamentals of AC circuits includes practical application of theory, circuit construction, measurements, trouble- shooting, and use of Oscilloscopes, function generators, and frequency counters.

KET2 0148 – AC Circuits **72 hrs**
Prereq: KET2 0147. Fundamentals of AC circuits including RL, RC, and RCL circuits; lecture/lab combination theory, application, circuit construction, measurements, troubleshooting, oscilloscope use.

KET2 0158 – Analog 1-Analog Devices **96 hrs**
Prereq: KET2 0148. Covers a variety of semi-conductor devices, operating characteristics, calculations, circuit applications, measurement and troubleshooting; including diodes, transistors, voltage regulators, amplifiers, and FETs.

KET2 0159 – Analog 2-Circuits&Applications **96 hrs**
Prereq: KET2 0158. Covers a variety of semi-conductor devices, operating characteristics, calculations, circuit applications, measurement and troubleshooting; includes oscillators, SCRs, multivibrators, and operational amplifiers circuits.

KET2 0168 – Digital Fundamentals **96 hrs**
Prereq: KET2 0159. Cover digital electronic fundamentals, electrical characteristics of digital integrated circuits; testing and troubleshoot logic circuits and applications; number conversions, and simplification techniques.

KET2 0169 – Digital Circuits& Applications 96 hrs
Prereq: KET2 0168. Covers digital circuits and its variety of applications; includes flip-flops, register memory circuits, arithmetic counting, conversion. The focus will be on data circuits, digital applications and projects.

KET2 0171 – Microprocessors 96 hrs
Prereq: KET2 0169. Covers basic concepts of microcomputer and microprocessor architecture, assembly language and machine language programming, debugging and troubleshooting. Interfacing hardware/software, control and feedback is covered. The Freescale 68K, and HCS12 are covered devices.

KET2 0172 – Embedded Controllers 96 hrs
Prereq: KET2 0169.This class covers the fundamentals of the microcontroller family's architecture and instruction set. Topics include the architecture, instruction set, writing and editing assembly programs, and programming devices. The PIC controller is covered.

KET2 0173 – Troubleshooting 96 hrs
Prereq: KET2 0169. Covers the principles, techniques, and procedures for trouble-shooting electronics equipment. Covers power supplies, audio and RF systems, analog, and digital systems. Emphasis is on the use of test equipment and the troubleshooting process.

KET2 0220 – Coop. Internship - Elective 100 hrs
Students participate in cooperative internship with a local company. Student and instructor will work with company to ensure students complete specific tasks and assignments in a workplace environment to enhance their competency.

KET2 0242 – Technician Certification 42 hrs
Prereq: KET2 169. A review of electronics theory and applications to practical problems and solutions. Computerized tutorials prepare students for the industry recognized Electronics Technician Associate level certification exam.

KET2 0250 – Programmable Logic Controllers 96 hrs
Programmable Logic Controllers course will provide coverage of all aspects of programming, installation, maintaining procedures and hardware components. Development of wiring diagrams, Ladder Logic Programs, Programming of Timers, Counters, Data Manipulation, Sequencer and Shift Register Instructions. Troubleshooting of process control, Network Systems, SCADA and usage of the CLX Controllers.

KET2 0281 – FCC License Preparation 48 hrs
Prereq: Instructor approval. Covers principles of AM/FM/phase/modulation/tuned/RF/power amplifiers, transmission lines/antennas/transmitter-receiver fundamentals/maritime-aviation radio law. Students prepare for General Radiotelephone Operators License (GROL) FCC exam.

KFLT 0250 – Fork Lift Training **8 hrs**
Students learn the basic skills needed to safely operate fork lifts and pallet jacks.

KFND 0100 – Intro to Computers **20 hrs**
Students will learn to identify parts of a Computer, hold and use the Mouse, log onto/off the Computer, type using the Keyboard, use Word, use Internet Explorer.

KFND 0200 – Computer Basics **49 hrs**
Students will learn to identify parts of a Computer, hold and use the Mouse, log onto/off the Computer, type using the keyboard, use Word, use Internet Explorer, learn Internet basics and e-mail.

KFND 0260 – Fundamental Skills, Business **40 hrs**
Students will be introduced to the terminology, vocabulary and basic skills necessary for successful completion of the Business program.

KFND 0270 – Fundamental Skills, CDL **40 hrs**
Students will be introduced to the vocabulary, traffic signs and manual associated with the CDL.

KFND 0280 – Fund. Skills, Health Care **40 hrs**
Students will be introduced to the basic skills and vocabulary necessary for successful completion of a program in Health Care at the SAT.

KFND 0290 – Fund Skills, Auto/Diesel **40 hrs**
Students will be introduced to vocabulary and basic skills necessary for successful completion of the Transportation program.

KFND 0360 – Terminology & Skills, Business **70 hrs**
This course will focus on the basics of computers for Business Technologies. Students will also be introduced to the terminology, vocabulary and basic skills necessary for successful completion of the Business program.

KFND 0370 – Terminology & Skills, CDL **65 hrs**
This course will focus on the basics of computers for CDL. Students will be introduced to the vocabulary, traffic signs and manual associated with the CDL.

KFND 0380 – Terminology/Skills, Healthcare **65 hrs**
This course will focus on the basics of computers for Health Care. Students will be introduced to the basic skills and vocabulary necessary for successful completion of a program in Health Care at the SAT.

KFND 0390 – Term. & Skills, Transportation **65 hrs**
This course will focus on the basics of computers for Transportation. Students will be introduced to vocabulary and basic skills necessary for successful completion of the Transportation program.

KGED 0500 – GED Language Arts/Writing **64 hrs**
Designed for individual study to prepare for the GED writing exams (I and II). Test-taking tips are presented in the course to lessen test anxiety and encourage confidence.

KGED 0600 – GED Test Preparation **64 hrs**
Prereq: ABLE score of 8.0 in comprehension and vocabulary; complete levels 1-7 of KABM 0110 to enter level 8, GED Math. Coreq: KGED 0500; optional KALL 0100. Students prepare for the GED Social Studies, Reading and Science Exams. Test-taking tips are presented in the course to lessen test anxiety and encourage confidence.

KHUC 0190 – Health Unit Coordinating **60 hrs**
Students learn the skills required to work as a member of the health care team providing non-clinical support for patient care: maintain patient charts, transcribe doctor's orders, order diagnostic tests/procedures, etc.

KHUC 0210 – Cooperative Externship **78 hrs**
Students participate in a cooperative externship with a local hospital. A cooperative preceptor assists with specific assignments to enhance the student's competency and proficiency for work in a hospital nursing unit.

KHVT 0005 – Heavy Duty Brakes **90 hrs**
Provides theory and hands-on experience for students on maintenance and repair of air ABS, hydraulic brakes and wheel bearing systems.

KHVT 0010 – Preventive Maint. & Inspection **90 hrs**
Students prepare for complete inspection on the vehicle to ensure a safe operation. Covers inspections and repairs on items such as wheel bearings, engine inspections, checking lights, oil levels and tire and frame inspections.

KHVT 0015 – Suspension and Steering **120 hrs**
Provides theory and hands-on experience in maintenance and repair of the heavy duty steering and suspension systems. Covers shocks, kingpins, drag links, tie rods, steering bear box, straight axles, wheels, tire and frame service.

KHVT 0020 – Heavy Duty HVAC **120 hrs**
Provides theory and hands-on experience for students on troubleshooting and repair of heavy duty truck air conditioning systems, including condensers, check valves, driers, compressors, evaporators, controls and recovering, handling and installing different refrigerants.

KHVT 0025 – Diesel Engines **210 hrs**
Provides theory and hands-on training on basic operation, parts and overhaul procedures of a diesel engine. Students receive detailed instruction on engine lubricants, air cooling and exhaust systems.

KHVT 0030 – Electrical/Electronic Systems **120 hrs**
Provides theory and hands-on training on basic electrical components and systems. Includes alternators, lights, wiring, schematics, symbols and circuits. Students wire various circuits and use test equipment to troubleshoot components and systems.

KHVT 0035 – Safety and Shop Skills **60 hrs**
Provides theory and hands-on training on basic skills and safety needed for the diesel shop, including how to lift heavy materials properly, working with electrical machinery fire extinguishers, welding safety and hand tools.

KHVT 0040 – Hydraulics I **60 hrs**
Provides instruction and hands-on training for fluid power (hydraulics) as used in modern mobile equipment; includes practical theory and troubleshooting on hydraulic/pneumatic components.

KHVT 0060 – Drive Trains **90 hrs**
Provides theory and hands-on experience on maintenance and repair of the heavy duty drive train systems. Covers clutches, transmissions, drive lines and differentials.

KLCK 0110 – Line Cook Skills **97 hrs**
General skills needed by food service workers/prep. cooks in restaurants, cafeterias, or banquet settings. Focus will be on developing a good work ethic as well as food preparation and presentation.

KMAT 0010 – Machine Shop Intro Work Ethics **25 hrs**
Students learn job performances and attitudes that employers expect from their employees and are exposed to the machine shop as a possible career.

KMAT 0050 – Blueprint Reading **50 hrs**
Prereq: KMAT 0010. Students learn to read and interpret mechanical drawings and apply them to machining projects.

KMAT 0105 – Basic Mill **60 hrs**
Prereq: KMAT 0100. Students learn the basic operation of Knee Mills.

KMAT 0155 – Advanced Mill **60 hrs**
Prereq: KMAT 0105. Students learn the advanced operation of Knee Mills.

KMAT 0205 – Basic Lathe **60 hrs**
Prereq: KMAT 0010. Students learn the basic operation of metal cutting lathes.

KMAT 0250 – Advanced Lathe **60 hrs**
Prereq: KMAT 0205. Students learn the advanced operation of metal cutting lathes.

KMAT 0305 – Basic Grinding **60 hrs**
Prereq: KMAT 0010. Students learn the basic operation of Knee Mills.

KMAT 0355 – Advanced Grinding **60 hrs**
Prereq: KMAT 0305. Students learn the advanced operation of Pedestal and Surface Grinders.

KMCB 0110 – Medical Filing **15 hrs**
This class covers basic concepts and rules governing medical filing, including the correct use of terminology. Both theory and practical applications are covered.

KMCB 0120 – Medical Terminology **30 hrs**
Through lecture and video presentations, students learn 300 medical elements (roots, suffixes, and prefixes), with emphasis on pronunciation, definitions, and usage.

KMCB 0130 – Anatomy/Med. Coding & Billing **40 hrs**
Prereq: KMCB 0120 Medical Terminology. This class covers the basis human anatomy and physiology concepts required to help the student prepare for the AACP and/or AHIMA national certification tests. Terminology will be covered with emphasis on body structures and systems.

KMCB 0140 – Medical Office Software **70 hrs**
The student will use medical office software to enter patient information, payment transactions, print statements and reports, create and submit insurance claims, prepare collection letters and reports, and schedule appointments.

KMCB 0150 – ICD-9 Coding **30 hrs**
Prereq: KMCB 0120 Medical Terminology. This course covers basic concepts and rules governing diagnostic medical insurance coding, including the correct use of terminology specific to the coding process. Both lectures and practical applications using the ICD-9-CM are employed.

KMCB 0190 – Advanced Medical Coding 120 hrs
Prereq: KMCB 0120, KMCB 0150 and KMCB 0130. Students learn concepts and rules for the use of procedural coding including advanced ICD-9, CPT, and HCPCS. Successful completion will help prepare students to take the AAPC and/or AHIMA national coding certification exams.

KMCB 0200 – Outpatient Medical Coding 150 hrs
Prereq: KMCB 0120 Medical Terminology and KMCB 0130 Anatomy. This course covers concepts and rules governing diagnostic and procedural coding in the outpatient setting using the ICD-9, CPT, and HCPCS coding manuals. Course will include web-enhanced lectures, exercises, and practical application in a structured classroom environment. Successful completion will help prepare students to take the AAPC and/or AHIMA national coding certification exams.

KMCB 0210 – Cooperative Externship 1 80 hrs
Prereq: 0190 Advanced Medical Coding (CPC/HCPCS). The externship consists of 80 hours of work experience in an approved medical facility under professional supervision to give hand-on experience in the medical coding profession.

KMCB 0220 – Intro to Med Insurance/Pharm 40 hrs
Prereq: KMCB 1020 Medical Terminology. Students will learn basic concepts of health insurance, benefit determination and how to fill out an insurance form. Students will also learn basics of pharmacology including clinical uses of drugs.

KMCB 0230 – Adv Medical Coding (CPT/HCPCS) 100 hrs
Students learn concepts and rules for the use of procedural coding including advanced ICD-9, CPT, and HCPCS. Successful completion will help prepare students to take the AAPC and/or AHIMA national coding certification exams.

KMCB 0240 – Cooperative Externship 2 120 hrs
Prereq: KMCB 0120 and KMCB 0150. The externship consists of 120 hours of work experience in an approved medical facility under professional supervision to give hands-on experience with medical records.

KMCB 0250 – Medical Office Procedures 40 hrs
Prereq: KMCB 0120 Medical Terminology, KMCB 0150 ICD-9 Coding, and KMCB 0130 Anatomy/Medical Coding, Billing Students learn concepts and rules for the use of procedural coding including advanced ICD-9, CPT, and HCPCS. Successful completion will help prepare students to take the AAPC and/or AHIMA national coding certification exams.

KMCB 0280 – Cooperative Externship 80 hrs
The externship consists of 110 hours of work experience in an approved medical facility under professional supervision to give hands-on experience in the medical coding profession.

KMCB 0300 – Spreadsheets (Core) 35 hrs
Students will learn skills required for building, editing, and formatting worksheets and charts, and working with formulas and functions.

KMCP 0110 – Beginning Keyboarding 12 hrs
This course teaches the efficient operation of the keyboard, including the touch method of operation (not looking at the keyboard), correct techniques, and correct fingering.

KMCP 0130 – Ten-Key 30 hrs
Students learn basic ten-key calculator concepts and applications using the touch method, with emphasis on attaining speed, accuracy, and skills necessary to qualify for an entry-level job.

KMCP 0140 – Computer Concepts/Windows 45 hrs
Prereq: KMCP 0110. Students learn basic Windows skills: working with WordPad and Paint programs, and managing files using My Computer. Students also get an introduction to the Internet.

KMCP 0150 – Customer Service/Life Skills 60 hrs
The class covers professionalism as it pertains to attitude, ethics, communication skills, grammar skills, conflict management/resolution, problem-solving skills, proper telephone etiquette, and data entry from verbal information.

KMCP 0160 – Keyboard Skill Building 113 hrs
Prereq: KMCP 0110. This course reinforces the touch method of keyboarding, with emphasis on attaining the speed, accuracy, and knowledge necessary for an entry-level job.

KMCP 0170 – Word Processing (MS Word Core) 30 hrs
Prereq: KMCP 0110 and KMCP 0140. Students learn basic word-processing skills such as working with text, paragraphs, and documents; managing files; using tables; and working with pictures and charts. Teaches concepts needed for MOS Word Core Exam.

KMCP 0190 – Medical Terminology 30 hrs
Through lecture and video presentations, students learn 300 medical elements (roots, suffixes, and prefixes), with emphasis on pronunciation, definitions, and usage.

KMCP 0200 – Medical Filing 15 hrs
This class covers basic concepts and rules governing medical filing including the correct use of terminology. Both theory and practical applications are covered.

KMCP 0210 – Anatomy/Medical Coding,Billing **40 hrs**
Prereq: KMCP 0190. This class covers the basic human anatomy and physiology concepts required to help the student prepare for the AACP and/or AHIMA National Certification Tests. Terminology will be covered with emphasis on body structure and systems.

KMCP 0220 – ICD-9 Coding **30 hrs**
Prereq: KMCP 0190. Basic concepts and rules governing medical insurance coding, including the correct use of terminology specific to the coding process are covered. Both lectures and practical applications using the ICD-9-CM are employed.

KMCP 0230 – Medical Coding (CPT/HCPCS) **100 hrs**
Prereq: KMCP 0190, KMCP 0210 and KMCP 0220. Students learn concepts and rules for the use of procedural coding including advanced ICD-9, CPT, and HCPCS. Successful completion will prepare student to take the AACP and/or the AHIMA national coding certification tests.

KMCP 0240 – Medical Acctg/Patient Software **35 hrs**
Prereq: KMCP 0140. The student will use medical accounting/patient software to enter patient information, payment transactions, print statements and standard reports, submit insurance claims, and schedule patient appointments.

KMDT 0010 – Introduction to Media Design **90 hrs**
An introduction to various multimedia applications: graphics, multi-media text, animation, sound, video, virtual reality and interactive features of multimedia. Learn the computer systems used to develop and play back multimedia products.

KMDT 0020 – Graphic Design Applications **90 hrs**
Focuses on familiarizing students with graphic design principles including color, typography and layout.

KMDT 0031 – Design Principles **90 hrs**
Prereq: Graphic Design App. This course focuses on basic elements of design; line, shape format, texture, and spatial arrangement. Students will complete assignments designed to integrate these concepts into a variety of media types.

KMDT 0040 – Computer Illustration **90 hrs**
Introduces concepts, technical information and artistic requirements for completing a successful illustration using the computer as a medium; includes creative techniques for drawing, designing, filling, blending and texturing.

KMDT 0101 – Design & Internet Technologies 90 hrs
An introduction to the technologies associated with design applications for the internet; includes the basic use of XHTML, JavaScript, DHTML, DOM and the technologies involved with design and the internet.

KMDT 0111 – Web Design Fund. 120 hrs
Prereq: Successful completion of KAOS 0170. Computer Concepts or upon instructor approval. The Web Design Fundamentals course covers web design creation and publication to the Internet such as: basic HTML, forms, graphics, HTML editors, publishing to the Internet, and basic web design and graphic layout principles.

KMDT 0120 – Web Design Authoring 120 hrs
An introduction to web authoring tools that allows for the smooth integration of a variety of multimedia creations into a finished movie title; includes creating a multimedia CD/DVD that can be printed or published to the internet.

KMDT 0140 – Web Design Animation 90 hrs
An introduction to a variety of elements involving web site animation. Learn applications that allow a web designer to create a variety of graphic objects that add visual stimulation to the web site.

KMDT 0171 – Electronic Portfolio 90 hrs
Prereq: Completion of 540 hrs of elective courses or upon instructor approval. The Electronic Portfolio course guides the student to prepare an electronic, web and physical version of their portfolio. When finished, students will have created a complete marketing package of their work on the web and via a CD ROM.

KMDT 0205 – Interactive Media Scripting 90 hrs
Provides essential training for interactive scripting that supports authoring software programs such as Flash and Director. Students complete a series of projects which use programs to create interactive media projects.

KMDT 0210 – Web Developer Final Project 120 hrs
Students complete a final project of their choice with instructor approval. Final projects are designed as they can be put forward in a proposal form or in a portfolio format.

KMDT 0220 – Web Programming Introduction 120 hrs
An overview of various key Web development topics focused on Web applications that are dynamic, data-driven and interactive. An introduction to SML, VB. NET, ADO. NET, C#, CGI-PERL, Java, JSP, PHP, ColdFusion MX, Access, SQL.

KMDT 0230 – Web Application Scripting I **120 hrs**
Teaches basic JavaScript programming concepts with syntax for program development and implementation. Create and modify simple JavaScript language applications and the tools to create more complex applications.

KMDT 0240 – Web Application Scripting II **120 hrs**
Learn the advanced video capturing and editing techniques used in non-linear and linear editing programs on desktop computers. An introduction to production assignments and staffing, camera operation and positions and graphics.

KMDT 0300 – Desktop Publishing Fund **90 hrs**
An essential course for anyone looking for jobs in printing companies or prepress service bureaus. Learn the fundamentals of desktop publishing design and layout, and detailed use of at least one major publishing software program.

KMDT 0311 – Image Editing **90 hrs**
Edit, combine and manipulate digital images using industry standard software. Projects include creating line art, retouching damaged photos, building panoramic scenes, making digital collages and adding special effects.

KMDT 0320 – Desktop Publishing Apps **90 hrs**
Designed to teach skills for creating document layouts that are ready for printing and Web distribution using leading industry publishing software such as QuarkXPress. Maximize productivity for producing many different documents.

KMDT 0520 – Video Production I **90 hrs**
Covers the fundamentals of video capturing and video editing and detailed instruction in the use of non-linear editing programs including types of effects, titles, audio effects, equalization, videotape masters and EDLs.

KMOA 0101 – First Aid / CPR **10 hrs**
Students will understand the importance of knowing what to do in a timely manner during and shortly after a medical emergency including basic first aid and Healthcare provider CPR.

KMOA 0110 – Medical Terminology **60 hrs**
Learn the terminology needed to be successful in the medical and health care fields.

KMOA 0111 – Med Term **70 hrs**
Learn the terminology needed to be successful in the medical and health care fields.

KMOA 0120 – Medical Law and Ethics **60 hrs**
Provides an overview of the legal and ethical issues that impact the health care setting.

KMOA 0130 – Psychology for Healthcare **30 hrs**
Provides an overview of the basic principles of psychology required in a health care environment.

KMOA 0145 – Antomy and Physiology **50 hrs**
A study of the structure and function of the human body. Includes an overview of all organ systems including processes and diagnostic treatment modalities.

KMOA 0155 – Medical Office Procedures I **60 hrs**
The first in a series of three that teaches the basic skills needed to perform clerical functions and proper insurance, coding and billing procedures efficiently in a medical office setting.

KMOA 0170 – Medical Office Procedures II **60 hrs**
The second in a series of three that teaches the basic skills needed to perform clerical functions and proper insurance, coding and billing procedures efficiently in a medical office setting.

KMOA 0180 – Medical Office Procedures III **60 hrs**
The third in a series of three that teaches the basic skills needed to perform clerical functions and proper insurance, coding and billing procedures efficiently in a medical office setting.

KMOA 0210 – Medical Office Externship **90 hrs**
Provides an opportunity for the student to practice and demonstrate their administrative skills in a health care environment. This unpaid externship takes place in a working office or clinic under supervision.

KMTH 0010 – Math I **60 hrs**
An introduction to basic mathematics including operations with whole numbers, fractions, decimals, proportions, averages and percentages. Students are prepared for more advanced mathematics.

KNIT 0751 – Routing and Switching I (CCNA) **90 hrs**
This Cisco Academy course provides a hands-on introduction to networking and the Internet using tools and hardware commonly found in the home and small business environments.

KNIT 0756 – Routing & Switching II (CCNA) **90 hrs**
This Cisco Academy course will help develop skills needed to provide support to users of small-to-medium-sized networks across a range of applications. The course provides an introduction to routing, remote access, network services.

KNIT 0760 – Routing & Switching III (CCNA) 90 hrs
This Cisco Academy course helps develop the skills necessary to maximize enterprise LAN and WAN performance. The course provides advanced configurations of switching and routing protocols, access control lists, and WAN links.

KNIT 0765 – Routing & Switching IV (CCNA) 90 hrs
This Cisco Academy course will develop the skills to design small enterprise LANs and WANs. The course will introduce how to collect customer requirements, translate those requirements into equipment, and create a network topology.

KNIT 0780 – Intro to Wireless Systems 75 hrs
Prereq: KCMS 0180 Software and Security. This course is designed to teach students the knowledge needed for enterprise WLAN sales and support professionals who must be familiar and confident with the terminology and basic functionality of enterprise 802. 11 wireless networks.

KNIT 0785 – Advanced Wireless Systems 75 hrs
Prereq: KNIT 0780 Intro to Wireless Systems. This is the second course designed for students needing knowledge of enterprise WLANs for sales and support positions. Students will design, configure, and prepare equipment and perform site surveys for WLAN networks.

KNNA 0100 – Nutrition Assistant 20 hrs
Prereq: Current TB test results or x-ray within past 12 months. Designed to train students in the skills required to meet patient mealtime needs in long-term care or rehabilitation health care settings.

KNWE 0640 – Active Directory Admin 90 hrs
Learn to configure and maintain Active Directory services. Covers server installations, user, group, and computer account management, and Group Policy deployment. MCTS/MCITP titles (Course 1 of 2 for exam 70-640).

KNWE 0642 – Network Infrastructure Intro 75 hrs
Learn to install, manage, and troubleshoot Windows Server network services such as DHCP, DNS, IPSec, NAT, IP Routing as well as Remote Access (VPNs). MCTS and MCITP titles (Course 1 of 2 for exam 70-642).

KNWE 0643 – Applications Infrastructure 70 hrs
Learn to deploy Windows operating systems with WDS, configure Virtual Machines, manage Terminal Servers and Web Servers, publish applications, configure RAID and explore Server Clusters. MCTS/MCITP (Course 1 of 2 for exam 70-643)

KNWE 0646 – Server Admin 1 **75 hrs**
Learn to install, manage, monitor, and optimize systems running Windows Server 2008. Topics include WDS, App Deployment and Virtualization, SCCM 2007, DNS, and Terminal Services. MCITP title (Course 1 of 2 for exam 70-646).

KNWE 0647 – Enterprise Design 1 **65 hrs**
Learn to plan network and application services, design core identity and access management components, design support identity and access management components, and design for business continuity. MCITP (Course 1 of 2 for exam 70-647).

KNWE 0680 – Configuring Windows Clients **75 hrs**
Students learn installing, upgrading, migrating and deploying Windows 7. This includes configuring hardware, application, and network connectivity exercises. Prepares student for the MCTS industry certification. (Exam 70-680)

KNWE 0740 – ActiveDirectory Infrastructure **90 hrs**
Continue learning to configure and maintain AD DS. DC management, backup and recovery, forests, certificate services, FSMO rolls, AD LDS, RMS, and FS are covered in this course. MCTS/MCITP (Course 2 of 2 for exam 70-640).

KNWE 0742 – NetworkInfrastructureImplement **75 hrs**
Continue learning to install, manage, and troubleshoot network services including file and print services, Windows Firewall, NAP, WSUS, DFS, EFS, as well as data backup/recovery. MCTS/MCITP (Course 2 of 2 for exam 70-642).

KNWE 0743 – Web Apps and Services **70 hrs**
Learn to manage Web Server security, configure Windows SharePoint Services, File Transfer Protocol (FTP) sites, Simple Mail Transfer Protocol Services (SMTP), and Windows Media Services. MCTS/MCITP (Course 2 of 2 for exam 70-643).

KNWE 0746 – Server Admin 2 **75 hrs**
Learn to manage and optimize systems running Windows Server 2008. High-availability strategies such as NLB and Cluster Services will be covered in addition to application and data provisioning. MCITP title (Course 2 of 2 for exam 70-646).

KNWE 0747 – Enterprise Design 2 **65 hrs**
Learn to plan network and application services, design core identity and access management components, design support identity and access management components, and design for business continuity. MCITP (Course 2 of 2 for exam 70-647).

KNWE 0780 – Maintaining Windows Clients **75 hrs**
Students will monitor and maintain systems that run Windows 7 including configuring access to resources; mobile computing, backup and recovery. Prepares student for the MCTS industry certification (Exam 70-680).

KOFC 0110 – Beginning Keyboarding **12 hrs**
This course teaches the efficient operation of the keyboard, including the touch method of operation (without looking at the keyboard), correct techniques, and correct fingering.

KOFC 0130 – Ten-Key **40 hrs**
Students learn basic ten-key calculator concepts and applications using the touch method, with emphasis on attaining speed, accuracy, and skills necessary to qualify for an entry-level job.

KOFC 0140 – Computer Concepts/Windows **45 hrs**
Prereq: KOFC 0110. Students learn basic Windows skills: working with WordPad and Paint programs, managing files using My Computer/Windows Explorer, customizing the Windows environment, and using various search engines to become familiar with the Internet.

KOFC 0150 – Customer Service/Life Skills **60 hrs**
The class covers professionalism as it pertains to attitude, ethics, communication skills, grammar skills, conflict management/resolution, problem-solving skills, proper telephone etiquette, and data entry from verbal information.

KOFC 0160 – Keyboard Skill Building **108 hrs**
Prereq: KOFC 0110. This course reinforces the touch method of keyboarding, with emphasis on attaining the speed, accuracy, and knowledge necessary for an entry-level job.

KOFC 0170 – Word Processing (MS Word Core) **35 hrs**
Prereq: KOFC 0110 and KOFC 0140. Students learn basic word-processing skills such as working with text, paragraphs, and documents; managing files; using tables; and working with pictures and charts. Teaches concepts needed for the MOS Word Core Exam.

KOFC 0175 – Word Processing (Word Expert) **35 hrs**
Prereq: KOFC 0170. Students learn advanced word processing skills working with paragraphs, documents, tables, pictures and charts. They learn mail merge, additional advanced features, and collaborating with groups.

KOFC 0180 – Business Communications **80 hrs**
Students learn principles of English grammar; spelling; paragraph, essay, letter, and memo writing; proofreading; and dictionary and reference manual usage.

KOFC 0190 – Presentations(PowerPoint Core) 30 hrs
Prereq: KOFC 0140. Students learn and demonstrate MS PowerPoint presentation software including creating, modifying, enhancing, and formatting slides and using embedding techniques.

KOFC 0200 – Spreadsheets (MS Excel Core) 35 hrs
Prereq: KOFC 0140. Hands-on simulations assist students in acquiring basic skills, which include building, editing, and formatting worksheets and charts, and working with formulas and functions.

KOFC 0210 – Spreadsheets (MS Excel Expert) 35 hrs
Prereq: KOFC 0200. Hands-on simulations assist students in acquiring skills in importing and exporting data, using templates, formatting numbers, using named ranges, toolbars, macros, and analysis tools; auditing worksheets; collaborating with workgroups.

KOFC 0220 – QuickBooks 65 hrs
Prereq: KOFC 0140. Students will learn to use the QuickBooks software to its full potential. Practical examples and exercises will show how to utilize functions that will allow you to record all regular and special transactions and produce reports.

KOFC 0230 – Office Procedures 15 hrs
Students learn business alphabetic filing skills and other basic office procedures.

KOLL 0100 – Open Learning Lab SCC OIS 1 hrs
An open learning class developed specifically to track the Department of Workforce Services client's study time outside the traditional program hours.

KOLL 0200 – Open Learning Lab HLDC 1 hrs
An open learning class developed specifically to track the Department of Workforce Services client's study time outside the traditional program hours.

KPDD 0100 – Delivery Driver 40 hrs
Prereq: 18 years of age, valid driver's license; current motor vehicle report (MVR) with no more than 2 moving violations within the last two years. Prepares students to drive delivery trucks or vans with a capacity of less than 26, 000 GVWR; stresses proper driving techniques, backing skills, vehicle inspections, trip planning, and preventive or minor maintenance for safe operation.

KPDR 0010 – English for Truck Drivers **120 hrs**

Prereq: Level 2 ESL; Score of 200 or higher on the CASAS. Minimum age of 18 years. Physically qualified as prescribed by the U. S. Department of Transportation; Valid D. O. T. medical card; See FMCSR Part 391. 41 for specific physical, mental and vision requirements. Copy of motor vehicle record (MVR) for the past three years. Acceptance into the program may be contingent on the quality of the driving record. Contact admissions advisor if MVR has major or serious violations. Students develop the English skills needed to obtain a CDL License while studying the topics covered on the Utah CDL Instruction Permit test: General Knowledge, Air Brakes, and Combination Vehicles.

KPDR 0500 – Truck Driving/Class "A" CDL **225 hrs**

Prereq: Minimum age of 18 years. Physically qualified as prescribed by the U. S. Department of Transportation; Valid D. O. T. medical card; See FMCSR Part 391. 41 for specific physical, mental, and vision requirements. Valid class A Commercial Driver Instruction Permit (CDIP) with air brakes or CDL Class A with air brakes. Copy of motor vehicle record (MVR) for the past three years. Acceptance into the program may be contingent on the quality of the driving record. Contact admissions advisor if MVR has major or serious violations. Pre-enrollment drug screening required: The required drug/alcohol testing includes random, post accident and reasonable suspicion testing. Contact admissions advisor before taking the drug screen. The course consists of 21 milestones (units of instruction) that cover basic and advanced operating practices, defensive driving, inspections, life skills and essential activities such as trip planning, map reading, hours of service and cargo handling.

KTSS 0115 – Entry-Level Business Skills **50 - 295 hrs**

Foundation courses for PWI program. Required of all students enrolled in PWI. Combines computer-based and hands-on instruction. Students assigned program of study per evaluation by PWI staff.

KVSL 0755 – Vocational ESL, Business **40 hrs**

Learn basic vocabulary to improve understanding of language related to business and strategies for expanding and polishing abilities to follow directions from instructors, texts and on-line courses.

KVSL 0756 – Vocational ESL, CDL **40 hrs**

Learn basic vocabulary to improve understanding of language related to obtaining a CDL and strategies for expanding and polishing abilities to follow directions from instructors, texts and on-line courses.

KVSL 0757 – Vocational ESL, Health Care **40 hrs**

Learn basic vocabulary to improve understanding of language related to Health Care and strategies for expanding and polishing abilities to follow directions from instructors, texts and on-line courses.

KVSL 0758 – Vocational ESL, Transportation **40 hrs**

Learn basic vocabulary to improve understanding of language related to auto and diesel service and strategies for expanding and polishing abilities to follow directions from instructors, texts and on-line courses.

KVSL 0759 – Vocational ESL, Welding **40 hrs**
Learn basic vocabulary to improve understanding of language related to welding and strategies for expanding and polishing abilities to follow directions from instructors, texts and on-line courses.

KWLD 0115 – Intro to Welding & Lab Safety **10 hrs**
Prereq: School of App Tech entry; good eyesight, lift 50 lbs. Students are provided with a general introduction to the art, science, and technology of welding. General industrial safety practices are taught.

KWLD 0125 – Oxy-Acetylene (OAW) **100 hrs**
Prereq: good eyesight, lift 50 lbs. , KWLD 0115. Learn practical welding and cutting skills using the oxyacetylene welding process on carbon steel. Safe practices and theory of OAW are taught.

KWLD 0135 – Shielded Metal Arc (SMAW) **360 hrs**
Prereq: good eyesight, lift 50 lbs. , KWLD 0125. Learn practical welding skills using the SMAW process on carbon steel. Safe practices and theory of SMAW are taught.

KWLD 0145 – Gas Metal Arc (GMAW) **160 hrs**
Prereq: KWLD 0135. Learn practical welding skills using the GMAW process on carbon steel and aluminum. Short circuiting and spray transfers. Safe practices and theory of GMAW are taught.

KWLD 0165 – Blueprint Reading for Welders **100 hrs**
Basic study of blueprint reading and drawing, welding symbols (AWS and SI), and NDT symbols.

KWLD 0170 – Flux Cored Arc (FCAW) **170 hrs**
Prereq: KWLD 0145. Learn practical welding skills using the FCAW process on carbon steel. Gas shielded and self-shielded. Safe practices and theory of FCAW are taught.

KWLD 0180 – Gas Tungsten Arc (GTAW) **140 hrs**
Prereq: KWLD 0170. Learn practical welding skills using the GTAW process on Fe and non-Fe metals. Safe practices and theory of GTAW are taught. Plasma Arc Cutting is also covered.

KWLD 0190 – Math for Welders **100 hrs**
Instruction in basic math skills needed by welders. Addition, subtraction, multiplication, and division of whole numbers, fractions, decimals, metrics, and currency. Basic geometry and trigonometry formulas are taught.

KWLD 0290 – Employment Workshop **10 hrs**
Students learn job-seeking skills, resume writing, and interviewing skills necessary for job placement.

KWRK 0400 – Workplace Relations 60 hrs
Develop essential human-relation skills needed to maintain gainful and satisfying employment, including solving problems, understanding relationships, personal ethics and interpersonal relation skills.

KWRK 0515 – Job Seeking Skills 15 hrs
Prepares students to find employment related to their training; covers applications, networking in the job market, resumes (writing resumes, electronic resumes, and sending resumes), interviewing, and strategies for keeping a job.

LAND 1110 – Plumbing/Pipefitting Applica. 5 cr
Prereq: APPR 1470 or appropriate Accuplacer score. This introductory course will put emphasis on drawing and sketching in relation to architectural drawings, isometric single-line pipe sketching, dimensioning, and working drawings.

LAND 1120 – Landscape Water Conservation/Electrical 5 cr
Prereq: LAND 1110. This course introduces electrical theory for AC, DC, and low voltage applications. Electrical safety is strongly emphasized. Water conservancy through proper usage and variety of landscape practices.

LAND 1210 – Small Engine Repair/Maintenance 5 cr
Prereq: LAND 1120. Designed to introduce apprentices to internal combustion, 2 and 4 cycle small engine theory and practical application. Preventative maintenance, fuel mixtures, repair and service are all introduced.

LAND 1220 – Pest Management/Sustnbl. Landscapes 5 cr
Prereq: LAND 1210. Controlling pests through proper management practices and application of pesticides. Various landscapes and typical control methods for preventing destruction by pests. Proper personal protection when making these control applications.

LAND 2310 – Fundamentals of Soil Science & Horticulture Science 5 cr
Prereq: LAND 1220. Designing and sustaining soils for a variety of plant proliferation. Desirable plants for varying soil conditions and watering practices. Application of fertilizers, how much, when, and for what vegetation.

LAND 2320 – Woody Plant Mat/Turfgrass Management 5 cr
Prereq: LAND 2310. Theory, application of woody plant materials, management of various applications, and consistent practices for control and management of plants and materials. Maintenance and care of turfgrass through proper fertilization and care.

LAND 2410 – Arbor Culture **5 cr**
Prereq: LAND 2320. Cultivation of tree and wooded plant growth through proper soil conditions, water management and training practices.

LAND 2420 – Annual/Perennial Plant Materials **5 cr**
Prereq: LAND 2410. Good landscaping practices through the utilization of annual and perennial plants with added available color variety and sustaining growth habitats.

LE 1000 – EPortfolios for Success **1 cr**
Designed for students with no ePortfolio experience, this course helps them develop an effective ePortfolio, upload artifacts into it and engage in reflective writing.

LE 1020 – Essentials-College Study (ID) **3 cr**
Orientation to prepare students for college study. Greater knowledge and skills to assist in academic objectives. Nature of adult learner, planning, testing, communication, study, library use, issues. Service learning component likely. Course may be taught with a Service Learning component.

LE 1200 – Major & Career Exploration **1 cr**
Prereq: RDG 0900. Overview of the various components involved in career exploration, major and career decision making, and career preparation/reevaluation when personal and/or environmental situations change. Elements include self-reflection, self-clarity, visioning, goal setting and planning, implementing and adapting.

LE 1220 – Human Relation-Career Development (SS,HR) **3 cr**
Creative, traditional job search methods and human relation skills to find, keep gainful employment. Self-assessment, goal setting, career review, job sources, written goals, appearance, interviewing, diversity. Course may be taught with a Service Learning component.

LE 1240 – Tutor Certification **1 cr**
Basic principles of tutoring through supervised practice tutoring. Students learn to become effective and certified tutors.

LE 1250 – Effective Revision and Editing **2 cr**
Prereq: Involved in personal, academic or workplace writing. Students, individually and in groups, learn strategies to revise and edit the personal, school and workplace writing they bring to class. They see how issues of correctness, like grammar, spelling, and punctuation, relate to their writing.

LE 1260 – Efficient Reading **3 cr**
Prereq: RDG 0990 w/C grade or better, or appropriate Accuplacer score. Emphasizes improving reading speed, recall, comprehension for college-level materials.

LE 1310 – Mind, Machine, Consciousness(ID) 3 cr
Explore artificial intelligence (AI) from historical, philosophical, scientific views. Discusses what life is, current and future projections. Possible rights of AI entity Implication of AI in all facets of life.

LE 1350 – Values and Self-Image (ID) 3 cr
Explore philosophical, psychological, educational theory on values and self-image. Assess values at beginning and end. Changes noted. Latest techniques in use of affirmation, goal setting. Personal philosophy. Course may be taught with a Service Learning component.

LE 1360 – Opening Diverse Doors (ID, DV) 3 cr
Course investigates needed critical reading/thinking skills in relation to philosophical, sociological, psychological and education values in areas of diversity consciousness (skills, awareness and understanding of diversity) in America.

LE 1900 – Special Studies 1 - 3 cr
Seminars and workshops to find appropriate field of study, develop personal skills and attitudes, explore college services, self-exploration/career planning, job hunting, personal development.

LE 2920 – Civically Engaged Leader 2 cr
This interdisciplinary Service Learning course will focus on personal leadership development, civic engagement, social justice, and personal management skills including communication, motivation, problem solving, and conflict resolution with an emphasis on personal growth.

LE 2950 – Strengths Based Leadership 2 cr
Prereq: POLS 2900 and LE 2900. Students will explore the world of leadership through experiential interactive exercises and activities plus assignments designed to further your knowledge of leadership. Skills learned in this course will center on communication, organizational behavior, problem solving, delegating, and goal setting as they apply to various aspects of your daily life.

LINE 1110 – Lineman Apprentice 1A 5 cr
This course is for lineman apprentices. It introduces transmission and distribution systems. Students will learn about safety, climbing, overhead distribution systems, tools and service installation.

LINE 1120 – Lineman Apprentice 1B 5 cr
Prereq: LINE 1110 or departmental approval. This course is for lineman apprentices. It introduces metering, rigging, pole work, care and testing of equipment, distribution. Students will learn about safety, overhead maintenance, pole framing and guying.

LINE 1210 – Lineman Apprentice 2A **5 cr**
Prereq: LINE 1120 or departmental approval. This course is for lineman apprentices. It introduces line equipment, tree trimming, hydraulic derricks and digging equipment. Students will learn about DC fundamentals and pole top equipment and replacement.

LINE 1220 – Lineman Apprentice 2B **5 cr**
Prereq: LINE 1210 or departmental approval. This course is for lineman apprentices. It introduces line equipment, transformers, safety and distribution. Students will learn about underground, hydraulics systems, AC fundamentals and hand tools.

LINE 2310 – Lineman Apprentice 3A **5 cr**
Prereq: LINE 1220 or departmental approval. This course is for lineman apprentices. It introduces compressors, transformer connections, underground conduit and street lighting systems. Students learn about distribution repair with gloves and hot sticks, and cable installation.

LINE 2320 – Lineman Apprentice 3B **5 cr**
Prereq: LINE 2310 or departmental approval. This course is for lineman apprentices. It introduces troubleshooting overhead and transformers, safety and power quality. Students will learn high-voltage AC power, switchgear and URD transformers

LINE 2410 – Lineman Apprentice 4A **5 cr**
Prereq: LINE 2320 or departmental approval. This course is for lineman apprentices. It introduces reading electrical diagrams, transformers, splicing and meters. Students will learn about cable termination, troubleshooting, safety and fault location.

LINE 2420 – Lineman Apprentice 4B **5 cr**
Prereq: LINE 2410 or departmental approval. This course is for lineman apprentices. It introduces voltage regulators, customer relations, cable fault locations and transformers. Students will learn troubleshooting, circuit breakers, capacitors and reactors.

LIS 1010 – Introduction to Library Services **3 cr**
Course provide an overview of types of libraries, media and information centers, tools and terminology used in libraries, the role of library assistants, library Bill of Rights, privacy issues and library associations.

LIS 1200 – Public Information Services **3 cr**
Course includes information about library circulation, covers policies, procedures, reserve collections, patron holds/requests, reference and information services, search strategies, information sources, customer communication and search techniques.

LIS 1500 – Library Technical Services **3 cr**
Review processes by which materials are acquired for collections and prepared for public access. Bibliographic search tools, acquisition terminology, serials ordering, cataloging reference tools and resources covered.

LIS 2021 – Information Sources and Services **3 cr**
Course provides an in-depth examination of information access, information needs, interviews, resources, query formulation, search strategy, bibliographic records, source selection and reference resources.

LIS 2030 – Humanities and Social Science Information **3 cr**
Overview of the Humanities and Social Sciences. Course covers religion, mythology, visual/performing arts, business, language, law, political science, economics, history, sociology, education, anthropology, geography and communication.

MA 1100 – Medical Terminology **2 cr**
Course uses videos, supplemented lecture and covers over 350 medical word roots, suffixes, prefixes. Emphasis placed on pronunciation, spelling, proper usage of medical terminology. Medical abbreviations are also introduced.

MA 1200 – Medical Office Management **4 cr**
Prereq: Proof of word processing proficiency. Medical procedures including: billing, schedules, mail, telephones, office machines, computer hardware and software. Law and ethics, charting and other procedures as pertaining to the medical office.

MA 1210 – Practical Medical Office Management **2 cr**
Prereq: Proof of word processing proficiency. Recommended coreq: MA 1200. Practical application of procedures taught in MA 1200. Students must type 30 wpm and demonstrate proficiency, passing all competencies outlined in the course with an 80% (B-) grade or better by the end of the semester before advancing in the program.

MA 1300 – Clinical Pharmacology **4 cr**
Prereq: MA 1100 and MA 1420. Class will discuss the fate of drugs in the body including detailed information on various types of meds most commonly used in the medical office.

MA 1310 – Medication/Phlebotomy Skills **2 cr**
Prereq: MA 1200, MA 1210 and MA 1420. Students apply practical applications of administration of medications, collection of blood specimens by capillary and phlebotomy methods and administration of IV fluids. Dosage calculation includes oral, injection, and IV fluids.

MA 1420 – Clinical Pathology I **3 cr**
Structure and Function of body systems includes cell structure and chemistry and structures of skin, musculoskeletal, and nervous systems. Pathology is introduced to prepare the student for medical office triage and appropriate treatment for related disorders.

MA 1600 – Patient Care **2 cr**
Prereq: MA 1100, PSY 1100 and MA 1420. Theory and principles concerning fundamental skills necessary for care of patients in the medical office. Practicing aseptic tech, sterilization equipment, assessing vital signs, assist with examinations, such as OB/GYN, peds, and nutrition.

MA 1610 – Practical Patient Care **4 cr**
Prereq: MA 1100, PSY 1100 and MA 1420. Recommended coreq: MA 1600. Course applies practical skills taught in MA 1600. Competencies include medical/surgical asepsis, patient vital signs, assisting with routine/specialty exams in ENT, Ortho, Neuro, Uro, Resp, Peds, OB/GYN, Geriatrics.

MA 2240 – Medical Office Communication **2 cr**
Prereq: MA 1100, MA 1200 and MA 1210. Verbal and nonverbal communication between physician, staff, patients, and support personnel. Office correspondence using WP software, including resume, cover letters for externship, interpersonal skills, and the ADA.

MA 2300 – Medical Coding Procedures **3 cr**
Prereq: MA 1100 and MA 1420. Introduction and practice with current procedural terminology (CPT) and international classification of disease (ICD) coding procedures, HCPS for optimal reimbursements, as practiced in the medical setting.

MA 2310 – Advanced Medical Coding **4 cr**
Prereq: MA 1100, MA 1420, MA 2300, MA 2420 or instructor approval with industry requirements met. This elective course is intended for students who have completed MA 2300 or have met industry standards as a medical coder/biller to take the AHIMA or AAPC certification examinations. This is achieved by advanced classifications of disease (ICD-9) coding procedures, HCPCS for optimal reimbursements as utilized in such medical settings as hospitals, outpatient clinics and physician offices.

MA 2420 – Clinical Pathology II **3 cr**
Prereq: MA 1420. Structure and Function of the endocrine, cardiovascular, renal, pulmonary, GI, and reproductive body systems. Pathology is introduced to prepare the student for medical office triage and appropriate treatment of related disorders seen in a clinical setting.

MA 2540 – Practical Radiology **2 cr**
Prereq: MA 1420, MA 1600 and instructor approval. Theory and principals of basics of x-ray exams in the office. It includes physics as it pertains to x-ray, use and care of machine, proper mass KvP and time, darkroom procedures and patient protection, discussion of licensing requirements.

MA 2550 – Practical Application-Radiology **3 cr**
Prereq: MA 1420, MA 1600 and instructor approval. Recommended coreq: MA 2540. Practical application of principles and theories taught in MA 2540, including patient positioning for chest x-ray, extremities, pelvis and x-rays using the phantom.

MA 2600 – Advanced Patient Care **2 cr**
Prereq: MA 1420 and MA 1600. Theory and principles of advanced skills for care of patient in the medical office including; EKGs, instruments identification. tray set-up, patient exam, bandaging, Pt triage first aid and ortho. Lab skills, hematology, UA, OSHS regs. precaution.

MA 2610 – Practical Advanced Patient Care **4 cr**
Prereq: MA 1310. Coreq: MA 2600. Application of practical skills taught in MA 2600. Competencies include recording ECG, assisting with office surgeries, ortho, maintain a sterile field, laboratory testing of blood, urine and body fluids, applying nutrition principles.

MA 2810 – Medical Assistant Externship **4 cr**
Prereq: Successful completion of all required courses w/74%. Students are placed into a health care facility for 200 hrs. unpaid supervised extern. Students to perform procedures learned in the program. Students are evaluated twice during the externship. Students must return all pages for grades.

MA 2990 – Special Studies in Radiology **2 - 6 cr**
Prereq: MA 2540, MA 2550 or instructor approval. Study of anatomy, proper patient positioning, setting tech factors and evaluation of radiographs of the cervical, thoracic and lumbar spine, skulls and paranasal cavities. Credits: 1 for skull; 1 for spines; 1 for paranasal sinuses.

MATH 0001 – College Prep Math 1 **4 cr**
Prereq: LE 1020 w/C grade or better, can be taken concurrently. This math course combines time in the classroom and computer lab with independent work time. Students work at their own pace to complete 4 or more of the 12 required computer-based math modules. Students may test out of any module with pretest mastery. Successful completion of all 12 modules is equivalent to completion of Math 0990.

MATH 0002 – College Prep Math 2 **4 cr**
Prereq: MATH 0001. This math course combines time in the classroom and computer lab with independent work time. Students work at their own pace to complete an additional 4 or more of the 12 required computer-based math modules. Students may test out of any module with pretest mastery. Successful completion of all 12 modules is equivalent to completion of Math 0990.

MATH 0003 – College Prep Math 3 **4 cr**
Prereq: MATH 0002. This math course combines time in the classroom and computer lab with independent work time. Students work at their own pace to complete the remaining computer-based math modules. Students may test out of any module with pretest mastery. Successful completion of all 12 modules is equivalent to completion of Math 0990.

MATH 0900 – Basic Mathematics **3 cr**
An introduction to basic mathematics, including operations with whole numbers, fractions, decimals, proportions, and percentages.

MATH 0915 – Fractions Workshop **1 cr**
Designed to be a refresher course in basic operations with fractions, including application problems and signed numbers.

MATH 0920 – Developmental Math **6 cr**
Includes whole numbers, fractions, decimals, proportions, percents and basic geometry. It also includes integers, linear equations, polynomials, and graphing. Computer assisted instruction is available.

MATH 0925 – Pre-Algebra Workshop **1 cr**
Supplements MATH 0920 or MATH 0950. Reviewed are basic operations with whole numbers, fractions and decimals, geometric formulas, ratio, proportions, and percents, as well as signed numbers, solving equations, polynomials and other algebraic concepts.

MATH 0950 – Pre-Algebra **3 cr**
Prereq: Within the last year, MATH 0900 w/C grade or better, or appropriate Accuplacer score. Includes integers, linear equations, polynomials, and graphing. It also includes a review of fractions, decimals, and percents. Computer-assisted instruction is available. Course may be taught with a Service Learning component.

MATH 0955 – Pre-Algebra Workshop **1 cr**
Supplements MATH 0920 or MATH 0950. Reviewed are basic operations with whole numbers, fractions and decimals, geometric formulas, ratio, proportions, and percents, as well as signed numbers, solving equations, polynomials and other algebraic concepts.

MATH 0990 – Elementary Algebra **4 cr**
Prereq: Within the last year, MATH 0950 or MATH 0920 w/C grade or better, or appropriate Accuplacer score. Includes linear equations, systems, polynomials, factoring, graphing, and inequalities. It also includes rational and radical expressions and equations. Computer-assisted instruction is available.

MATH 0995 – Elementary Algebra Workshop **1 cr**
Coreq: MATH 0990. Designed to be a supplement to MATH 0990. Includes linear equations, systems, polynomials, factoring, and inequalities. Also includes rational and radical expressions and equations.

MATH 1010 – Intermediate Algebra (QS) **4 cr**
Prereq: RDG 0900; and within the last year, MATH 0990 w/C grade or better, or appropriate Accuplacer score. Linear and quadratic equations; inequities; polynomials; rational expressions; radicals; negative and rational exponents; complex numbers; linear systems; introduction to functions; logarithms; and exponential functions.

MATH 1015 – Intermediate Algebra Workshop **1 cr**
Recommended Coreq: MATH 1010. This is a supplement to MATH 1010. It provides a review of topics in MATH 1010 and additional practice on problem solving through collaborative learning.

MATH 1020 – Math - Health Disciplines (QS) **3 cr**
Prereq: RDG 0900; MATH 0920 or MATH 0950 w/C grade or better, or MATH 0990 w/C grade or better. A general review of mathematics; dimensional analysis; apothecary, household, and metric systems and conversions; drug dosage and intravenous fluid calculations; acid-base balance; and pharmacokinetics.

MATH 1030 – Quantitative Reasoning (QL) **3 cr**
Prereq: RDG 0990; within the last year, MATH 1010 w/C grade or better, or appropriate Accuplacer score. The course focuses on the development of analytical thinking through the application of math to real-life problems. Topics include modeling, logic, financial math, probability, statistics, and geometry.

MATH 1040 – Intro to Statistics (QL) **3 cr**
Prereq: RDG 0990; within the last year, MATH 1010 w/C grade or better, or appropriate Accuplacer score. Descriptive and inferential statistical methods. Emphasis on sampling design; descriptive statistics; linear regression and correlation; probability; sampling distributions; hypothesis testing and confidence intervals.

MATH 1048 – Technical Math I **3 cr**
Prereq: Within the last year, MATH 1010 w/C grade or better, or appropriate Accuplacer score. Scientific notation; systems of units; equations; linear systems; quadratic, polynomial, rational, and exponential functions; logarithms; roots and radicals; overview of statistics; includes major-specific curriculum modules.

MATH 1050 – College Algebra (QL) **4 cr**
Prereq: RDG 0990; within the last year, MATH 1010 w/C grade or better, or appropriate Accuplacer score. College Algebra satisfies quantitative literacy requirements for students planning to take calculus. Topics: polynomial, rational, exponential, and logarithmic functions; matrices; conics; sequences and series; and mathematical induction. Course may be taught with a Service Learning component.

MATH 1055 – College Algebra Workshop **1 cr**
Optional Coreq: MATH 1050. This is a supplement to MATH 1050. It provides a review of topics in MATH 1050 and additional practice on problem solving through collaborative learning.

MATH 1058 – Technical Math II **3 cr**
Prereq: Within the last year, MATH 1048 w/C grade or better, or appropriate Accuplacer score. Angles; right triangle trigonometry; amplitude, period, phase shift; identities; trig equations and inverse trig functions; oblique triangles; polar coordinates; vectors; complex numbers; conics; includes major-specific modules.

MATH 1060 – Trigonometry **3 cr**
Prereq: RDG 0990; within the last year, MATH 1050 w/C grade or better, or appropriate Accuplacer score. Trigonometric functions and their graphs developed using circular and triangular methods including inverses; polar coordinates; and an introduction to vectors.

MATH 1080 – Precalculus (QL) **5 cr**
Prereq: Appropriate Accuplacer score within the last year. Covers the main concepts of college algebra and trigonometry. Topics include polynomial, rational, exponential, logarithmic, inverse and trigonometric functions, graphs and equations; matrices and determinants; sequences and series; solutions of triangles; conics; and polar coordinates. Satisfies the prerequisite for calculus.

MATH 1090 – College Algebra-Business (QL) **3 cr**
Prereq: RDG 0990; within the last year, MATH 1010 w/C grade or better, or appropriate Accuplacer score. Topics include: graphs, linear, quadratic, logarithmic, and exponential functions; matrices; systems of equations and inequalities; Leontief models; compound interest; geometric and arithmetic series, loans and annuities.

MATH 1210 – Calculus I **4 cr**
Prereq: Within the last year, MATH 1060 or 1080 w/C grade or better, or appropriate Accuplacer score. Topics include: limits; derivatives of algebraic and transcendental functions; applications of differentiation, integration, the Fundamental Theorem of Calculus, the technique of substitution, and finding the area between curves.

MATH 1220 – Calculus II **4 cr**
Prereq: Within the last year, MATH 1210 w/C grade or better. Topics include applications and techniques of integration; parametric equations and polar coordinates; Taylor and power series, and 3-dimensional analytical geometry and vectors. Course may be taught with a Service Learning component.

MATH 2000 – Math CO-OP **1 - 2 cr**
Standard CO-OP. Prereq: Sophomore standing with GPA of 2.0, study-related employment and approval of Director of Cooperative Education

MATH 2010 – Math for Elementary Teachers I **3 cr**
Prereq: Within the last year, MATH 1050 w/C grade or better, or appropriate Accuplacer score. Topics include problem-solving techniques; sects and logic; number theory including properties and operations; mental arithmetic; estimation; and topics in algebra. Technology projects, and manipulative are utilized in this course.

MATH 2020 – Math for Elementary Teachers II **3 cr**
Prereq: Within the last year, MATH 2010 w/C grade or better. Topics include probability; statistics; measurement; two and three-dimensional geometry including tessellations, Euclidian constructions, and transformations. Pedagogical procedures of Math 2010 are continued in this course.

MATH 2040 – Statistics for Applied Science **4 cr**
Prereq: Within the last year, MATH 1050 w/C grade or better, or appropriate Accuplacer score. Includes sampling design; descriptive statistics; probability; mathematical expectation; probability distributions; sampling distributions; estimation; hypothesis testing; inference on categorical data; analysis of variance; linear regression analysis, and correlation.

MATH 2200 – Discrete Math **3 cr**
Prereq: Within the last year, MATH 1220 w/C grade or better or instructor permission. Fundamentals of logic, set theory, order, relations, functions. Elementary number theory, modular arithmetic. Combinatorics; counting permutations, generating functions, matrix operations. Basic algebraic structures; groups, rings. Discrete probability. Introduction to graphy theory, trees, search optimization problems. Boolean algebra.

MATH 2210 – Multivariate Calculus **3 cr**
Prereq: Within the last year, MATH 1220 w/C grade or better. This is the third semester of the calculus series. Topics include partial derivatives, multiple integrals, curves and surfaces; vector calculus including Green's and Stoke's theorems.

MATH 2250 – Differential Equations & Linear Algebra **4 cr**
Prereq: Within the last year, MATH 1220 w/C grade or better. Optional Coreq: MATH 2210 requires departmental approval. Ordinary differential equations with applications to mechanics, electrical circuits, and populations; qualitative analysis; intro. to numerical methods; Laplace transforms; linear algebra applied to solution spaces, systems of DEs.

MATH 2270 – Linear Algebra **4 cr**
Prereq: Within the last year, MATH 1220 w/C grade or better. Theory and application of matrices, linear systems, determinants, inverses, vector spaces, linear independence, linear transformations, eigenvalues and eigenvectors, diagonalization, least squares approximation. Includes computer projects.

MATH 2280 – Differential Equations **4 cr**
Prereq: Within the last year, MATH 2270 w/C grade or better. Linear and nonlinear differential equations, systems of equations, phase-plane analysis, initial and boundary value problems, bifurcation analysis, Laplace Transforms, series solutions and numerical methods. Includes computer projects.

MATH 2900 – Special Topics **1 - 3 cr**
Special topics in Mathematics.

MCCT 1500 – Manual Machining **2 cr**
Coreq: MCCT 1510. Basic machine shop theory including operation and performance of lathes and mills.

MCCT 1510 – Manual Machining Lab **1 cr**
Coreq: MCCT 1500. Laboratory application of the manual machine shop principles taught in MCCT 1500 including lathes and mills.

MCCT 1600 – CNC Machine Theory **2 cr**
Coreq: MCCT 1610. Basic CNC machine shop theory including G and M programming, operation, and performance of CNC lathes and mills.

MCCT 1610 – CNC Machining Lab **1 cr**
Coreq: MCCT 1600. Laboratory application of principles taught in MCCT 1600 including programming and operation of CNC lathes and mills.

MCCT 2650 – CAD/CAM **2 cr**
Prereq: EDDT 2540. Recommended Coreq: EDDT 2600. Design using CAD/CAM software. Experience in the engineering/designer role in industry as members of a project design team in collaboration w/machining students. Includes assembly design, documentation, tolerance studies and inspection.

MCCT 2670 – GMA, GCA, GTA Welding **3 cr**
Prereq: WLD 1005. Theory and lab course covering Gas Metal Arc Welding, Flux Core Arc Welding, and Gas Tungsten Arc Welding.

MCCT 2850 – Plastics & Composites CNC/CAM **3 cr**
Prereq: MCCT 1500 and MCCT 1510. Methods for machining organic and metal composites. Machining procedures and the damage introduced into composites. CNC and CAM for production of plastic products and tooling. Concepts also including taser, water-jet, and electro discharge machining.

MCCT 2860 – Plastic/Composite Matis & Prop **3 cr**
Prereq: CHEM 1110 or 1210 and PHYS 2010 or 2210. Covers the most common commercial plastics including their additives, fillers and fibers: includes common physical tests used to determine material characteristics.

MCCT 2870 – Plastic/Composite Design & Manufacturing **3 cr**
Prereq: EDDT 2600 and MCCT 2860. Design of plastic and composite parts using CAD. Emphasis in design principles related to plastic products. Analysis of functional requirements, structural properties, aesthetic qualities, cost. Experience in product design and material.

MEEN 1050 – Design & Visual Communications **3 cr**
Recommended prereq: MATH 1050 or 1080. The design process, sketching, three-dimensional visualization and communication, engineering drawing, CAD systems, data presentation and computer graphics are discussed in this class.

MEEN 2000 – Cooperative Education **1 - 2 cr**
Prereq: Sophomore standing, minimum 2.0 GPA, and instructor approval. A supervised work experience in a business, industrial or government related to the program major. Credit is awarded for successful completion of specific learning objectives that provide new learning related to the major.

MEEN 2010 – Statics **3 cr**
Prereq: MATH 1210. Recommended prereq: PHYS 2210. Principles of forces and motion, moments and couples; resultant and static equilibrium of general force system; statically equivalent systems, moment of area, centroid, center of mass, gravity and pressure; friction; moment of inertia. Free body method of analysis and principles applied to engineering problems.

MEEN 2020 – Dynamics I **2 cr**
Prereq: MEEN 2010. Recommended prereq: MATH 2210. Position, velocity and acceleration, vector calculus, particle kinematics, kinetics of particles, including Newton's Laws, conservation of momentum and energy, and impact vibratory motion of particles are covered.

MEEN 2060 – Dynamics II **2 cr**
Prereq: MEEN 2020. Recommended prereq: MATH 2250. This course examines Kinetics and Kinematics of rigid bodies in 2-D and 3-D motion. It also covers moving frames, 3-D mass moment of inertia, conservation of momentum, energy, impact and an introduction to vibration analysis of mechanical systems.

MEEN 2140 – Strength of Materials **2 cr**
Prereq: MEEN 2010 and MATH 2250 (either can be taken concurrently). Recommended coreq: MEEN 2145. Internal forces in members, concept of stress and strain, axial loading, Hooke's Law, torsion, pure bending, traverse loading, transformations of stress and strain, pressure vessels, beam deflection and column bending are discussed.

MEEN 2145 – Testing Of Engineering Materials **1 cr**
Recommended coreq: MEEN 2140. This is an introductory laboratory in mechanical behavior of materials using basic testing methods and instrumentation, column bending, tension and compression of metals, concrete failure, Charpy's Impact, and creep tests.

MEEN 2300 – Thermodynamics for Mechanical Engineering **3 cr**
Prereq: CHEM 1210 and MATH 1220. Recommended prereq: PHYS 2210. First and second law of thermodynamics, internal energy, enthalpy, entropy and open and closed systems are covered. Engineering cycles including Carnot, Otto, Diesel, Brayton and Refrigeration are introduced. Integrated lab/hands-on activities.

MEEN 2450 – Numerical Methods **2 cr**
Prereq: ENGR 1030 or 1040 and MATH 2250. Recommended prereq: MATH 2210. Numerical techniques used in engineering computing, including: convergence, error accumulation, roots, solution of linear and nonlinear equations, numerical integration and differentiation, and solutions to differential equations.

MEEN 2650 – Manufacture Engineer & Technology **4 cr**
Prereq: MEEN 2010. Structures and properties of ferrous and nonferrous materials casting, forging, welding, heat treating, machining, grinding, theory of metal cutting will be covered. Hands-on introduction to machine tools.

MEEN 2655 – Engineering Manufacturing Lab **2 cr**
Prereq: MEEN 1050. The predominant manufacturing processes used to produce parts designed by mechanical engineers are introduced, including; casting, forging, molding, forming, grinding, manual and CNC machining. The primary focus is not to develop skills in the manufacturing arena, but to provide an understanding of the scope as well as the limitations of the manufacturing process, through a hands on introduction.

MEEN 2900 – Special Topics In Mechanical Engineering **1 - 3 cr**
Special Topics reflecting items of current interest in Mechanical Engineering.

MET 1010 – Introduction to Meteorology (PS) **3 cr**
Meteorology introduces the characteristics and dynamics of the atmosphere and their daily application. Nutrition, clothing, shelter, economics, and recreational activities are representative samplings of human activities affected by climate.

METE 1110 – Meter Apprentice 1A **5 cr**
This course is for meter apprentices. It introduces electrical principles and principles of magnetism AC concepts. Students will learn about atomic structure, electrical qualities, Ohm's Law, resistors, parallel circuits, trigonometry and alternating current.

METE 1120 – Meter Apprentice 1B **5 cr**
Prereq: METE 1110 or departmental approval. This course is for meter apprentices. Students will learn about math for metering, safety, watt hour meter principles and wire tables.

METE 1210 – Meter Apprentice 2A **5 cr**
Prereq: METE 1120 or departmental approval. This course is for meter apprentices. Students will learn about meter watt hour constants, register ratios and formulas. Also covers principles of accuracy testing, meter testing and calibration.

METE 1220 – Meter Apprentice 2B **5 cr**
Prereq: METE 1210 or departmental approval. Students will learn about single phase meter application and installation; polyphase power systems and meter application; meter testing and calibration; instrument transformers, testing single phase transformers; and Blondel's Theorem.

METE 2310 – Meter Apprentice 3A **5 cr**
Prereq: METE 1220 or departmental approval. This course is for meter apprentices. Students will learn about self contained polyphase meter testing and polyphase transformer related application. The course also covers demand metering concepts.

METE 2320 – Meter Apprentice 3B **5 cr**
Prereq: METE 2310 or departmental approval. This course is for meter apprentices. Students will learn about testing and calibrating demand meters, meter mounting devices and test switches. The course also covers reactive metering and reactive meter testing.

METE 2410 – Meter Apprentice 4A **5 cr**
Prereq: METE 2320 or departmental approval. This course is for meter apprentices. Students will learn about totalizing meters; installation checks and inspections; and customer relations. The course also covers solid state meters and associated devices.

METE 2420 – Meter Apprentice 4B **5 cr**
Prereq: METE 2410 or departmental approval. This course is for meter apprentices. Students will learn about energy diversion, troubleshooting techniques and pulse initiators and recorders. The course also covers electronic metering, register programming and computers.

MGT 1020 – Distribution Systems **3 cr**
Principles of transportation systems, understanding the economic, political and social functions of transportation in the economy. Inflow, outflow, warehousing and their role in the physical distribution process is taught.

MGT 1100 – Small Business Management **3 cr**
Meet needs of ATE programs in Small Business Management. Educates students in Vocational programs about small business management/ownership fundamentals. Curriculum learning will be industry specific.

MGT 1600 – Management Essentials **3 cr**
Focus on management essentials for entry-level managers. Emphasis on management concepts and functions, also motivation, leadership, team building. Includes casework, presentations, group work and exams.

MGT 2000 – Business Management CO-OP Ed **1 - 3 cr**
Prereq: Sophomore standing, 2.0 GPA and related employment. Supervised work experience in business, industrial or government environment related to program major. Credit for specific learning objectives that provide new learning that is related to program major.

MGT 2020 – Entrepreneurship **3 cr**
Prereq: BUS 1050, MKTG 1030 and ACCT 2020. Introduction to small business planning, capitalization, borrowing, taxes, purchasing, personnel, organization and location. Students will complete a business plan with strategic, marketing and financial components.

MGT 2040 – Business Statistics I **4 cr**
Prereq: BUS 1050, MATH 1010 or FIN 1380, and CIS 1020. Collection, analysis, and interpretation of business and economic data. Includes measures of location and dispersion, estimation and hypothesis testing, ANOVA, contingency tables, correlation, and regression. Computer for projects/cases.

MGT 2050 – Legal Environment of Business **3 cr**
Prereq: BUS 1050. Principles of business law, including torts, contracts, agency and commercial law. Business forms including sole proprietorship, partnerships and corporations are explored along with common legal problems encountered in business.

MGT 2070 – Human Resource Management **3 cr**
Prereq: BUS 1050. Management issues inherent to developing human potential within organization. Practical application projects: process job analysis, recruitment, selection, performance appraisals, development, reward systems, benefits, separations.

MGT 2080 – Employment Law **3 cr**
Prereq: BUS 1050. Employment laws including CRA '64, CRA '91, ADA, ADEA, FLSA. Supreme court decisions, legislation, executive orders and regulations examined relevant to organizational topics, processes and management decisions.

MGT 2350 – Business Statistics II **3 cr**
Prereq: MGT 2040 and MATH 1050 or MATH 1090. Analytical methods for decision making in business. Topics include hypothesis testing, ANOVA, design of experiments, goodness-of-fit, multiple-regression, statistical process control, and Six-Sigma as a unifying framework. Computer cases are essential part of this course.

MGT 2500 – Strategic Management Principle **3 cr**
Prereq: BUS 2010 and MGT 2070. Management theories and functions explored in greater depth. Discussion focused on theory and practicality of change in business today. Implementation and consequences of management decisions and communication emphasized.

MGT 2600 – International Trade/Business **3 cr**
Prereq: BUS 1050 or ECON 2020. International business from a practitioner's perspective. Emphasis on exporting/importing, financing, sources and commercial paper, export credit insurance, export trading companies, mechanics of foreign freight shipping and patents.

MGT 2700 – Production & Operations Management **3 cr**
Prereq: MGT 2340; MGT 2350; MATH 1050 or MATH 1090. Deals with the management of an organization's productive resources or its production system. The strategic, operating and control decisions required to create products and services; and computer applications and related models will be covered.

MGT 2710 – Quality Control & Six Sigma **3 cr**
Prereq: MGT 2340 and MGT 2350. Due to recent globalization and increasing customer quality requirements, the need for high quality/ low cost products and services is critical to survival in today's business. Course covers Six Sigma quality concepts, including the DMAIC process.

MGT 2720 – Supply Chain Design & Management **3 cr**
Prereq: MGT 2700. Focus is on the design, analysis and management of supply chain networks business entities use to acquire, produce, and deliver goods and services globally; and on decision support systems as the connector of supply chain integration.

MGT 2730 – Lean Production **3 cr**
Prereq: MGT 2700 and MGT 2710. Focus is on identifying and eliminating waste from business processes. Topics include seven types of waste, waste elimination, value stream mapping, cycle time reduction, and the relationship between lean production, total quality and Six Sigma.

MGT 2740 – Logistics & E-Business **3 cr**
Prereq: MGT 2700 and MGT 2720. Students develop an understanding of concepts, methods and design of global supply chain networks. Covers global perspectives of global competition, Global sourcing, Global Service Issues, and E-Business as it relates to globalization.

MGT 2910 – STUDENTfacturED Internship **2 - 4 cr**
Prereq: MGT 2040 and instructor's permission. Provides contextual, real-world experience, and opportunity to reinforce previously learned concepts, skills, and critical thinking ability related to business and technical job functions typical of biotech manufacturing companies.

MGT 2950 – Entrepreneurship Forum **1 cr**
Speakers selected from successful business owners across Wasatch Front will share experiences in business. Students are given the benefit of wisdom acquired through the school of hard knocks.

MGT 2960 – Entrepreneurship Forum **1 cr**
Prereq: MGT 2950. Speakers selected from successful business owners across the Wasatch Front will share experiences in business. Students are given the benefit of wisdom acquired through the "school of hard knocks".

MGT 2990 – Current Topics in Management **1 - 3 cr**
Prereq: Variable, contact department. Course will vary semester to semester; will present a forum where students will be introduced to topics of current interest and worth in the field of management.

MGT 2999 – Current Topics **1 - 3 cr**
Prereq: Variable, contact department. Topics include Production/Operations Planning and Control, Project Management, Inventory Management, Economic Analysis, Work Design/ Measurement, Management of Automated Manufacturing Systems, and Introduction to Enterprise Resource Planning (ERP.)

MKTG 1010 – Customer Service (HR) **2 cr**
This course studies the basic service skills in business. It looks at the management of conflict, stress, professionalism, time management, and telephone usage. It deals with internal and external customer service concepts.

MKTG 1030 – Introduction To Marketing **3 cr**
Students receive a basic understanding of marketing principles and consumer-to-business relationships that influence consumer behavior. Course may be taught with a Service Learning component.

MKTG 1050 – Consumerism (ID) **3 cr**
This course explores marketing from the consumer's perspective. Students will learn to critically evaluate messages communicated through marketing media and determine the impact on individual behavior and society as a whole.

MKTG 1070 – Promotion **3 cr**
Concentration on the promotional mix of advertising, publicity, personal selling and sales promotion. Creativity, planning, and budgeting skills are established through development of a promotional campaign.

MKTG 1300 – Business Presentations **2 cr**
This course explores visual and oral communication methods which focus on professional presentation skills and their application to the field of business, while offering a variety of presentations methods.

MKTG 1480 – Sales **3 cr**
Emphasis is placed on pre-approach, needs, benefits, objections and closes. Students experience basic techniques through participation in a series of simulated sales calls.

MKTG 1900 – Special Projects (DEX) **2 cr**
Students apply marketing management techniques and strategies to a variety of projects and activities. Four basic objectives: vocational understanding, leadership development, civic consciousness and social intelligence. Course may be taught with a Service Learning component.

MKTG 1910 – Event Marketing **3 cr**
This course focuses on planning and implementing events such as trade shows, conferences and large promotions. A group student project will bring community members on campus for a one-day event.

MKTG 1960 – Professionalism in Business (HR) **3 cr**
This course provides a study of interpersonal and business survival skills including human relations, communication, motivation, self-disclosure, team building, transactional analysis, coping with change, and much more. Course may be taught with a Service Learning component.

MKTG 2000 – Marketing CO-OP Education **1 - 3 cr**
Prereq: Sophomore status and instructor approval. Students use in-class and on-the-job training for college credit and a regular salary. This is program-related work in the major field. Credit is awarded for completion of specific learning objectives in the program major.

MKTG 2100 – Marketing Info Management **3 cr**
Prereq: MKTG 1030. Students learn the methods of gathering data to make marketing decisions, using various tools to develop questionnaires, set up focus groups, and analyze data for marketing decision-making.

MKTG 2350 – Consumer & Business Marketing **3 cr**
Prereq: MKTG 1030. Students research and apply retail concepts of merchandise management, assortment, pricing, visuals, etc. Planning, distribution support functions, selling, advertising and promotion in business to business marketing, and regular retail business operations.

MKTG 2400 – International Marketing **3 cr**
Prereq: MKTG 1030 and ECON 2010. Students learn the unique issues facing marketing professionals doing business in the global marketplace. Students develop strategies for dealing with cultural and language differences encountered in international marketing.

MKTG 2500 – Principles of Marketing **3 cr**
Prereq: MKTG 1070, MKTG 2350 and MKTG 2100. This is a synthesis of marketing theory and practical application of marketing techniques to strategic planning and marketing plan management.

MKTG 2810 – e-Commerce Design /Implement **3 cr**
Prereq: MKTG 1030 and MKTG 1480 (either can be taken concurrently). Students will enhance skills by designing and managing an E-commerce project using skills from sales fundamentals and marketing, accounting, customer service, CIS, and general business management.

MKTG 2910 – STUDENTfacturED Internship **2 - 4 cr**
Prereq: Instructor's permission and MKTG 1030 w/B grade or better. Provides contextual, real-world experience, and opportunity to reinforce previously learned concepts, skills, and critical thinking ability related to business and technical job functions typical of biotech manufacturing companies.

MKTG 2990 – Current Topics in Marketing **1 - 3 cr**
Prereq: Variable, contact department. Students develop special projects related to topics.

MLS 1010 – Introduction to Leadership I **2 cr**
Acquaints students with leadership, management, and life skills. Builds self-confidence through Army adventure training. Introduces students to the Army culture and lifestyle through basic soldier skills.

MLS 1020 – Introduction to Leadership II **2 cr**
Continued leadership development and confidence building through practical exercises.

MLS 1060 – Physical Readiness **1 cr**
A concentrated physical training program to prepare students for the rigors of military service.

MLS 2010 – Foundations of Leadership I **3 cr**
Prereq: MLS 1020. Development of leadership and management skills through practical exercises, adventure training, and basic military training.

MLS 2020 – Foundations of Leadership II **3 cr**
Prereq: MLS 2010. Continued progressive development of leadership and management skills. Implementation of decision-making procedures in a classroom and field environment. Practical application in leadership principles.

MLS 2950 – Basic Independent Study **2 - 3 cr**
A course of study that combines key elements of MLS 1000/2000 level courses. The purpose is to qualify students for advanced course. This course is for students who have missed one semester of MLS 1000/2000 level classes.

MORT 1010 – Introduction to Mortuary Science **3 cr**
Introductory course to mortuary science including studies of ancient/historical development, caskets/burial cases, early anatomists/undertakers and their role in history/embalming. Basic equipment/practical embalming theory will be taught.

MORT 1100 – Dynamics of Grief/Death/Dying **2 cr**
Prereq: MORT 1010. Introduction and analysis of the attitudes towards death, dying and the grieving process, including cultural, religious and historical perspectives, the differing processes for loss, the environmental factors, the legal aspects of death/dying and medical ethics.

MORT 1300 – Pathology for Funeral Service **2 cr**
Prereq: MORT 1010. Introduction to pathological disease conditions and their affect on various parts of the body. Conditions which affect the embalming or restorative art process will be emphasized. This course will present the basic principles of microbiology nature and cause of disease, and the pathogenicity associated with specific diseases.

MORT 1400 – Embalming I **3 cr**
Prereq: MORT 1300. Coreq: MORT 1405 and 1600. Introduction to embalming theory, procedures, techniques, and instruments used in the sanitation, preparation, and restoration of the deceased human body.

MORT 1405 – Embalming I Lab **1 cr**
Prereq: MORT 1300. Coreq: MORT 1400 and 1600. Students learn practical application of Embalming lecture content.

MORT 1600 – Thanatochemistry **2 cr**
Prereq: MORT 1300. Coreq: MORT 1400 and 1405. Survey of general, organic, and biochemistry in mortuary science. Chemical principles and precautions involved in sanitation, disinfection, and public health as related to the embalming application. Review of government regulations for embalming chemicals.

MORT 2330 – Funeral Service Psychology & Counseling **3 cr**
Prereq: MORT 1100. Study of the basic principles of psychology and counseling as they relate to Funeral Service. Emphasis will be given to the role of the funeral director within the psychological concepts of grief, mourning, and bereavement.

MORT 2400 – Embalming II **3 cr**
Prereq: MORT 1400 and 1405. Coreq: MORT 2405. Continuation of Embalming I. Specific study of the circulatory
system, and vascular anatomy in relation to the embalming process. Case analysis, various embalming methods, and embalming treatment of specific conditions will be discussed.

MORT 2405 – Embalming II Lab **1 cr**
Prereq: MORT 1400 and 1405. Coreq: MORT 2400. Practical application of the fundamental principles presented in MORT 2400 - Embalming II.

MORT 2600 – Restorative Art **3 cr**
Prereq: MORT 1400 and 1405. Coreq: MORT 2605. An introduction to facial restoration techniques, including restoration of facial expressions and proportions by proper use of instruments and special materials. Emphasis is placed on major restoration including problem cases which require illusionary corrections, waxes, cosmetics, hair restoration, color matching, and masking of small and extensive discolorations.

MORT 2605 – Restorative Art Lab **1 cr**
Prereq: MORT 1400 and 1405. Coreq: MORT 2600. Practical application of the fundamentals learned in MORT 2600 - Restorative Art.

MORT 2700 – Mortuary Law & Ethics **3 cr**
Business/legal principles affecting mortuary practice are surveyed with specific emphasis on business organizational forms, law of sales, funeral disclosure rules, and the legal duties of a funeral service provider. Funeral service ethics are emphasized.

MORT 2730 – Funeral Home Management/Merchandising **4 cr**
Principles of funeral home management will be introduced including funeral home operations, management functions, current trends and computer applications. Buying/selling, pricing/displaying and features of merchandise will be studied.

MORT 2750 – Funeral Directing **4 cr**
Introduction of various cultural, ethnic and geographic funeral customs. Discussion of death notification, timeframe for pre/at/post need services, transfer of remains, religious, fraternal and military practices, and cremation procedures.

MORT 2770 – NBE Professional Review **2 cr**
This course prepares students to take the National Board Exam. The course is designed to allow for extensive testing of the student's knowledge, both theoretical and technical. A review of subject areas on the exam will take place and mock exams covering each subject of the curriculum will be administered. Both sections of the official National Board Exam must be completed for passing grade.

MOTO 1111 – Engine Fundamentals & Repair **3 cr**
Coreq: MOTO 1112. A comprehensive program consisting of safety, proper use of shop tools, fasteners, fuels, lubricants and coolants, 2 and 4 stroke engine theory, proper use of reference materials, and physical principles of engine operation.

MOTO 1112 – Engine Fundamentals & Repair Lab **6 cr**
Coreq: MOTO 1111. Hands-on component of the fundamentals learned in MOTO 1111.

MOTO 1121 – Motorcycle/OPE Electrical **1 cr**
Coreq: MOTO 1122. This course will train technicians in electrical theory and proper diagnosis and repair of chassis harnesses, charging, starting and lighting systems. Students will also be taught trailer wiring.

MOTO 1122 – Motorcycle/OPE Electrical Lab **2 cr**
Coreq: MOTO 1121. Hands-on component of fundamentals learned in MOTO 1121.

MOTO 1131 – M/C & OPE Engine Performance **2 cr**
Coreq: MOTO 1132. A course to teach carburetor, fuel injection and ignition theory, diagnostic, repair and tuning.

MOTO 1132 – M/C & OPE Engine Perform Lab **3 cr**
Coreq: MOTO 1131. Hands-on component of fundamentals learned in MOTO 1131.

MOTO 1141 – M/C & OPE Drive Train/Chassis **2 cr**
Coreq: MOTO 1142. This course is designed to teach technicians transmissions (both belt and gear), clutch, final drive, brake, and suspension system diagnosis and repair.

MOTO 1142 – M/C & OPE Drive Train Lab **5 cr**
Coreq: MOTO 1141. Hands-on component of fundamentals learned in MOTO 1141.

MSE 2000 – Cooperative Education **1 - 2 cr**
Prereq: Sophomore standing, minimum 2.0 GPA, and departmental approval. This is a supervised work experience in a business, industrial or government environment, related to the program major. Credit is awarded for successful completion of specified learning objectives.

MSE 2010 – Introduction to Materials Science Engineering **4 cr**
Prereq: CHEM 1210. An introduction to materials science for majors. The five material categories; metals, ceramics, polymers, composites, semiconductors are introduced. Concepts are reinforced with hands-on experiences.

MSE 2160 – Elements of Material Science **3 cr**
Prereq: CHEM 1210. The five classes of materials; metals, ceramics, polymers, composites and semiconductors are introduced. The effect of structure on material properties is explored on both the macroscopic and microscopic level.

MSE 2170 – Material Science for Civil Engineering **1.5 cr**
Prereq: CHEM 1210. Five classes of materials metals, ceramics, polymers, composites and semiconductors are introduced. The effect of structure on material properties is explored on both the macroscopic and microscopic level.

MSE 2320 – Introduction Scan Probe Microscopy **2 cr**
Prereq: CHEM 1110 or 1210. Theory and practice related to the use of Scanning Probe Microscopes, including Atomic Force Microscopes (AFM) and Scanning Tunneling Microscopes(STM) . Experience with Contact Mode, Tapping Mode and Friction Mode and lithographic applications such as dip pen lithography and nano shaving. Students will create their own samples as well as imaging commercially available samples.

MSE 2900 – Special Topics In MSE **1 - 3 cr**
Special Topics reflecting items of current interest in Materials Science Engineering.

MUSC 0990 – Recital Attendance **0 cr**
A course to broaden the music majors vision of performance: staging, interpretation, execution and removing barrier between performer and audience. Major attend departmental recitals and concerts.

MUSC 1010 – Introduction to Music (FA) **3 cr**
An introductory survey of Western music from chant to jazz highlighting major contributions from the Middle Ages, Renaissance, Baroque, Classical, Romantic, 20th Century and American musical styles.

MUSC 1030 – Survey of Jazz (FA) **3 cr**
A chronology of jazz from its roots in blues and ragtime to swing, bebop, fusion, and funk.

MUSC 1040 – U.S. Music & Culture (FA, DV) **3 cr**
A survey of music in the United States exploring the diverse musical traditions of this country. Students will apply listening and analytical skills to understand current topics of diversity in American culture as they relate to music.

MUSC 1050 – Songwriting I **2 cr**
Learn songwriting skills including song forms, melody and text. Students will use MIDI technology to produce recordings of their songs.

MUSC 1060 – Songwriting II **2 cr**
Prereq: MUSC 1050 w/C grade or better or instructor approval. Continued instruction in basic songwriting skills building on those skills learned in Songwriting I. Students will write several songs in a workshop setting during the course of the semester.

MUSC 1090 – Bridging the Arts (FA) **3 cr**
Course examines the interconnectedness of art, dance, music, and theatre by investigating the artistic elements and common thread within the creative process to develop an informed appreciation for one's own artistic values.

MUSC 1100 – Introduction to Music Theory **2 cr**
Music fundamentals course. Materials to be covered: Basic music notation, rhythm, meter, pitch, chord construction and simple chord progressions.

MUSC 1110 – Music Theory I **3 cr**
Recommended prereq: MUSC 1100 or equivalent proficiency (test given first day.) Coreq: MUSC 1130 for Music majors. First semester of a four-semester series. Materials to be covered: music fundamentals, beginning harmonic progression and voice leading.

MUSC 1120 – Music Theory II **3 cr**
Prereq: MUSC 1110 w/C grade or better. Coreq: MUSC 1140 for Music majors. 2nd semester of a 4-semester series. Topics to be covered: phrase structure, period forms, non-chord tones, diatonic seventh chords, and secondary dominant and leading-tone chords.

MUSC 1130 – Sight Singing/Ear Training I **1 cr**
Prereq: MUSC 1110 or concurrently. First semester of a four-semester series. Development of aural skills, including sight singing and dictation of rhythms, melodies, and harmonic progressions.

MUSC 1140 – Sight Singing/Ear Training II **1 cr**
Prereq: MUSC 1120 or concurrently, and MUSC 1130 (both w/C grade or better). Second semester of a four-semester series. Continued development of aural skills, building on those learned in SS-ET I.

MUSC 1145 – Introduction to Piano **2 cr**
Beginning piano instruction in a group setting for non-music majors.

MUSC 1150 – Group Piano I **1 cr**
First semester of beginning piano instruction in a group setting for music majors.

MUSC 1160 – Group Piano II **1 cr**
Prereq: MUSC 1150 or instructor approval. Second semester of beginning piano instruction in a group setting for music majors.

MUSC 1300 – Money & Creative Professionals **1 cr**
Basic financial information for creative professionals or students interested in freelance work or setting up a studio. This course is useful for artists working in the areas of fine art, the many forms of design, photography, film/video, music, advertising, the performing arts and creative or technical writing.

MUSC 1310 – Group Voice **2 cr**
Individual student vocal skills developed in a group setting. Music fundamentals are introduced.

MUSC 1350 – College Chorale **1 cr**
A non-audition choir. Teaches choral singing skills. Open to all students who would like to sing. May be repeated for credit.

MUSC 1360 – College Chorale **0 cr**
Same as MUSC 1350 with no credit. Special fee required.

MUSC 1370 – Concert Choir **1 cr**
Prereq: Audition. A large four-part select ensemble that specializes in large choral/orchestral works by major composers. Participation in Concert Choir meets the ensemble requirements for a music degree and may be repeated for credit.

MUSC 1380 – Chamber Singers **1 cr**
Prereq: Audition. A select mixed-voice chamber choir that performs smaller works from all stylistic periods. Concurrent participation in Concert Choir is a requirement for membership in Chamber Singers. May be repeated for credit.

MUSC 1390 – South City Jazz **1 cr**
Prereq: Audition. A highly select vocal ensemble devoted to performing contemporary music of exceptional quality. Concurrent participation in Concert Choir is a requirement for membership in South City Jazz. May be repeated for credit.

MUSC 1400 – Copyrights For Creative Professionals **1 cr**
This introductory short course focuses on U. S. copyrights given to creative individuals who produce visual, musical, literary works of art or performing arts. The course also covers licensing and trademarking.

MUSC 1420 – Sales Promo For Creative Professionals **2 cr**
This introductory short course will introduce basic sales and self-promotional principles and techniques specifically tailored for creative artists.

MUSC 1440 – Build Creative Business **2 cr**
This introductory short course will introduce basic business structures and examine the process of setting up a business for creative professionals working in the areas of music, the many forms of visual design, fine art, animation, film and video, and the literary arts.

MUSC 1450 – Concert Band **1 cr**
Concert Band is for woodwind, brass and percussion students performing a wide range of music styles from classical to jazz.

MUSC 1460 – Symphony Orchestra **1 cr**
Prereq: Audition. Symphony Orchestra is for concert strings, woodwind, and percussion students who perform a wide range of styles from the symphony orchestra repertoire.

MUSC 1470 – Jazz Ensemble **1 cr**
Prereq: Audition. A jazz ensemble that will work on individual skills in large and small ensemble jazz performance.

MUSC 1480 – Guitar Ensemble **1 cr**
Prereq: Audition. A performing guitar ensemble for intermediate to advanced students.

MUSC 1500 – Music and Technology (ID) **3 cr**
Explores the influence of technology on musical creation and introduces students to current music-related technologies, including digital audio recording, MIDI, music notation software, computer-aided music instruction, etc.

MUSC 1510 – Desktop Music Publishing **3 cr**
Prereq: MUSC 1100 or equivalent proficiency (test given first day) or concurrently. Instruction in music notation engraving and publishing using MIDI-based music notation software. Students taking the class must either already have the ability to read music notation or they must also enroll in MUSC 1100.

MUSC 1515 – Basic Audio Production **3 cr**
A broad overview of sound, sound systems, recording, and live sound reinforcement providing basic training in the physics of sound and the hardware and systems used to control and record it.

MUSC 1520 – Introduction to MIDI/Electrical Music Composition **3 cr**
Introduction to electronic instruments, including synthesis and sampling: digital communication between electrical musical devices (MIDI); basic principles of music comp. and performance for electronic instruments and computer-based arranging.

MUSC 1530 – Music Recording Techniques **4 cr**
Prereq: MUSC 1515 or instructor approval. Instruction in digital music recording in both studio and live performance settings.

MUSC 1540 – MIDI II/Media Music Comp **3 cr**
Prereq: MUSC 1520 or instructor approval. Continued instruction in music composition using computers and MIDI-compatible elec. instruments; introduces students to professional-type projects.

MUSC 1550 – Musical Acoustics **3 cr**
Recommended prereq: Math proficiency Algebra and Geometry. Basic instruction in musical acoustics beginning with a foundation in the physics of sound waves, sound measurement, and the human ear. Students will learn how different instruments create musical sounds and fundamental aspects of room acoustics and sound reproduction. They will also learn how these principles affect human perception of musical experiences.

MUSC 1560 – Music Mixing Techniques **3 cr**
Prereq: MUSC/COMM/FLM/THEA 1515. Music Mixing Techniques is designed to teach intermediate to advanced concepts in editing and mixing of digital multitrack audio. Students will be given the opportunity to work in a commercial style recording facility and learn to use equipment and methods that are consistent with current recording industry practices.

MUSC 1610 – Group Guitar I **2 cr**
Beginning guitar in a group setting. Includes basic chords in open position, strumming, finger style accompaniment patterns, standard notation, transposition and construction of chord progressions.

MUSC 1620 – Group Guitar II **2 cr**
Prereq: MUSC 1610. Intermediate level guitar in a group setting. Includes chords with added bass notes, bar chords, single note melodies, combining notes and chords, tablature and improvisation.

MUSC 1660 – Fretboard Theory I **2 cr**
Music theory for guitar. Includes scales, intervals, triads, seventh chords, harmonizing simple melodies and basic rhythm reading.

MUSC 1670 – Fretboard Theory II **2 cr**
Prereq: MUSC 1660. Music theory for guitar. Includes scales, intervals, triads and seventh chord relationships, non-harmonic tones, phrase structures, cadences, secondary dominate and modulations. Popular and classic styles.

MUSC 1710 – Private Lessons: Guitar **1 cr**
12 one-half hour private music lessons for non-music majors on fretted string instruments; guitar, bass. Additional fee is required.

MUSC 1712 – Private Lessons: Guitar **1 cr**
Prereq: Audition (Must be able to perform NYSSMA Grade 4 Literature at a minimum). 12 one-half hour private music lessons for music majors on fretted string instruments: Guitar, Bass. Additional fee is required.

MUSC 1715 – Private Lessons: Guitar **2 cr**
Prereq: Audition (Must be able to perform NYSSMA Grade 4 Literature at a minimum). 12, 45 minute private music lessons for music performance majors on fretted string instruments: Guitar/Bass. Additional fee is required.

MUSC 1720 – Private Lessons: Strings **1 cr**
12 one-half hour private music lessons for non-music majors on string instruments: violin, viola, cello, contrabass. Additional fee is required.

MUSC 1722 – Private Lessons: Strings **1 cr**
Prereq: Audition (Must be able to perform NYSSMA Grade 4 Literature at a minimum). 12 one-half hour private music lessons for music majors on string instruments: violin, viols, cello, contrabass. Additional fee is required.

MUSC 1725 – Private Lessons: Strings **2 cr**
Prereq: Audition (Must be able to perform NYSSMA Grade 4 Literature at a minimum). 12, 45 minute private music lessons for music performance majors on string instruments: violin, viola, cello, contrabass. Additional fee is required.

MUSC 1730 – Private Lessons: Piano **1 cr**
12 one-half hour private music lessons for non-music majors on keyboard instruments: piano, organ, keyboards. Additional fee is required.

MUSC 1732 – Private Lessons: Piano **1 cr**
Prereq: Audition (Must be able to perform NYSSMA Grade 4 Literature at a minimum). 12 one-half hour private music lessons for music majors on keyboard instruments: piano, organ, keyboards. Additional fee is required.

MUSC 1735 – Private Lessons: Piano **2 cr**
Prereq: Audition (Must be able to perform NYSSMA Grade 4 Literature at a minimum). 12, 45 minute private music lessons for music performance majors on keyboard instruments: piano, organ, keyboards. Additional fee is required.

MUSC 1740 – Private Lessons: Brass **1 cr**
12 one-half hour private music lessons for non-music majors on brass instruments: trumpet, French horn, trombone, euphonium or tuba. Additional fee is required.

MUSC 1742 – Private Lessons: Brass **1 cr**
Prereq: Audition (Must be able to perform NYSSMA Grade 4 Literature at a minimum). 12 one-half hour private music lessons for music majors on brass instruments: trumpet, French horn, trombone, euphonium or tuba. Additional fee is required.

MUSC 1745 – Private Lessons: Brass **2 cr**
Prereq: Audition (Must be able to perform NYSSMA Grade 4 Literature at a minimum). 12, 45 minute private music lessons for music performance majors on brass instruments: trumpet, French horn, trombone, euphonium or tuba. Additional fee is required.

MUSC 1750 – Private Lessons: Voice **1 cr**
12 one-half hour private music lessons for non-music majors on voice: soprano, alto, tenor, bass. Additional fee is required.

MUSC 1752 – Private Lessons: Voice **1 cr**
Prereq: Audition (Must be able to perform NYSSMA Grade 4 Literature at a minimum). 12 one-half hour private music lessons for music majors on voice: soprano, alto, tenor, bass. Additional fee is required.

MUSC 1755 – Private Lessons: Voice **2 cr**
Prereq: Audition (Must be able to perform NYSSMA Grade 4 Literature at a minimum). 12, 45 minute private music lessons for music performance majors on voice: soprano, alto, tenor, bass. Additional fee is required.

MUSC 1760 – Private Lessons: Winds **1 cr**
12 one-half hour private music lessons for non-music majors on woodwind instruments: flute, oboe, clarinet, bassoon, saxophone. Additional fee is required.

MUSC 1762 – Private Lessons: Winds **1 cr**
Prereq: Audition (Must be able to perform NYSSMA Grade 4 Literature at a minimum). 12 one-half hour private music lessons for music majors on woodwind instruments: flute, oboe, clarinet, bassoon, saxophone. Additional fee is required.

MUSC 1765 – Private Lessons: Winds **2 cr**
Prereq: Audition (Must be able to perform NYSSMA Grade 4 Literature at a minimum). 12, 45 minute private music lessons for music performance majors on woodwind instruments: flute, oboe, clarinet, bassoon, saxophone. Additional fee is required.

MUSC 1770 – Private Lessons: Percussion **1 cr**
12 one-half hour private music lessons for non-music majors on percussion instruments: drums, set, xylophone, marimba, timpani, and percussion. Additional fee is required.

MUSC 1772 – Private Lessons: Percussion **1 cr**
Prereq: Audition (Must be able to perform NYSSMA Grade 4 Literature at a minimum). 12 one-half hour private music lessons for music majors on percussion instruments: drums, set, xylophone, marimba, timpani, and percussion. Additional fee is required.

MUSC 1775 – Private Lessons: Percussion **2 cr**
Prereq: Audition (Must be able to perform NYSSMA Grade 4 Literature at a minimum). 12, 45 minute private music lessons for music performance majors on percussion instruments: drums, set, xylophone, marimba, timpani, and percussion, Additional fee is required.

MUSC 1900 – Special Studies **1 - 3 cr**
Prereq: Instructor approval. Students plan their areas of work or performance with the instructor on an individual basis.

MUSC 2110 – Music Theory III **3 cr**
Prereq: MUSC 1120 w/C grade or better. Coreq: MUSC 2130 for Music majors. 3rd semester of a 4-semester series. Materials to be covered: chromatic harmony, modulation techniques, basic formal analysis.

MUSC 2120 – Music Theory IV **3 cr**
Prereq: MUSC 2110 w/C grade or better. Coreq: MUSC 2140 for Music majors. 4th semester of a 4-semester series. Material to be covered: advanced chromatic harmony, impressionism and 20th century theory including set theory, serialism, etc.

MUSC 2130 – Sight Singing/Ear Training III **1 cr**
Prereq: MUSC 2110 or concurrently and MUSC 1140 (both w/C grade or better). Third semester of a four-semester series. Continued development of aural skills, building on those learned in SS-ET I and II.

MUSC 2140 – Sight Singing/Ear Training IV **1 cr**
Prereq: MUSC 2120 or concurrently, and MUSC 2130 (both w/C grade or better). Fourth semester of a four-semester series. Continued SS-ET I, II and III.

MUSC 2350 – Conducting Fundamentals **2 cr**
Prereq: MUSC 1120. The fundamentals of conducting music, including beat patterns, baton technique, score reading, cuing, subdivisions, fermatas and releases. The class will function as an ensemble and each student will conduct the group.

MUSC 2500 – Music Production Group **4 cr**
Prereq: MUSC 1060 (Songwriting II) w/C grade or better, MUSC 1530 (Music Recording Techniques) or MUSC 1540 (MIDI II/Media Music Composition) or instructor approval. Hands-on experience creating music for professional-level projects.

MUSC 2520 – Music Scoring For Film **3 cr**
Prereq: MUSC 1540 w/C grade or better, or instructor approval. Instruction and practice in composing music for use as underscore in film. Students will examine the scores of historical and present-day films to learn different approaches to film scoring and the different roles music can play in film, will learn about the process of creating music for film from the spotting session through the final audio mix and will compose and record their own underscores.

MUSC 2550 – Music Internship **1 - 3 cr**
Prereq: Instructor approval and second year status in the Music Recording Technology or Media Music programs. The Music Internship is an opportunity for students to gain college credit for participating in an internship with a professional recording studio or related business such as an audio post facility or pro-audio dealer under the guidance of an SLCC faculty member in the Fine Arts.

MUSC 2710 – Private Lessons: Guitar **1 cr**
Prereq: MUSC 1710. 12 one-half hour private music lessons for non-music majors on fretted string instruments; guitar, bass. Additional fee is required.

MUSC 2712 – Private Lessons: Guitar/Bass **1 cr**
Prereq: MUSC 1712 and Audition (Must be able to perform NYSSMA Grade 5 Literature at minimum). 12 one-half hour private music lessons for music majors on fretted string instruments: guitar, bass. Additional fee is required.

MUSC 2715 – Private Lessons: Guitar **2 cr**
Prereq: MUSC 1715 and Audition (Must be able to perform NYSSMA Grade 5 Literature at minimum). 12, 45 minute private music lessons for music performance majors on fretted string instruments: guitar, bass. Additional fee is required.

MUSC 2720 – Private Lessons: Strings **1 cr**
Prereq: MUSC 1720. 12 one-half hour private music lessons for non-music majors on string instruments: violin, viola, cello, contrabass. Additional fee is required.

MUSC 2722 – Private Lessons: Strings **1 cr**
Prereq: MUSC 1722 and Audition (Must be able to perform NYSSMA Grade 5 Literature at minimum). 12, one-half hour private music lessons for music majors on string instruments: violin, viola, cello, contrabass. Additional fee is required.

MUSC 2725 – Private Lessons: Strings **2 cr**
Prereq: MUSC 1725 and Audition (Must be able to perform NYSSMA Grade 5 Literature at minimum). 12, 45 minute private music lessons for music performance majors on string instruments: violin, viola, cello, bass. Additional fee is required.

MUSC 2730 – Private Lessons: Piano **1 cr**
Prereq: MUSC 1730. 12, one-half hour private music lessons for non-music majors on keyboard instruments: piano, organ, keyboards. Additional fee is required.

MUSC 2732 – Private Lessons: Piano **1 cr**
Prereq: MUSC 1732 and Audition (Must be able to perform NYSSMA Grade 5 Literature at minimum). 12, one-half hour private music lessons for music majors on keyboard instruments: piano, organ, keyboards. Additional fee is required.

MUSC 2735 – Private Lessons: Piano **2 cr**
Prereq: MUSC 1735 and Audition (Must be able to perform NYSSMA Grade 5 Literature at minimum). 12, 45 minute private music lessons for music performance on keyboard instruments: piano, organ, keyboards. Additional fee is required.

MUSC 2740 – Private Lessons: Brass **1 cr**
Prereq: MUSC 1740. 12, one-half hour private music lessons for non-music majors on brass instruments: trumpet, French horn, trombone, euphonium or tuba. Additional fee is required.

MUSC 2742 – Private Lessons: Brass **1 cr**
Prereq: MUSC 1742 and Audition (Must be able to perform NYSSMA Grade 5 Literature at minimum). 12, one-half hour private music lessons for music majors on brass instruments: trumpet, French horn, trombone, euphonium or tuba. Additional fee is required.

MUSC 2745 – Private Lessons: Brass **2 cr**
Prereq: MUSC 1745 and Audition (Must be able to perform NYSSMA Grade 5 Literature at minimum). 12, 45 minute private music lessons for music performance majors on brass instruments: trumpet, French horn, trombone, euphonium or tuba. Additional fee is required.

MUSC 2750 – Private Lessons: Voice **1 cr**
Prereq: MUSC 1750. 12, one-half hour private music lessons for non-music majors on voice: soprano, alto, tenor, bass. Additional fee is required.

MUSC 2752 – Private Lessons: Voice **1 cr**
Prereq: MUSC 1752 and Audition (Must be able to perform NYSSMA Grade 5 Literature at minimum). 12, one-half hour private music lessons for music majors on voice: soprano, alto, tenor, bass. Additional fee is required.

MUSC 2755 – Private Lessons: Voice **2 cr**
Prereq: MUSC 1755 and Audition (Must be able to perform NYSSMA Grade 5 Literature at minimum). 12, 45 minute private music lessons for music performance majors on voice: soprano, alto, tenor, bass. Additional fee is required.

MUSC 2760 – Private Lessons:Winds **1 cr**
Prereq: MUSC 1760. 12, one-half hour private music lessons for non-music majors on woodwind instruments: flute, oboe, clarinet, bassoon, saxophone. Additional fee is required.

MUSC 2762 – Private Lessons: Winds **1 cr**
Prereq: MUSC 1762 and Audition (Must be able to perform NYSSMA Grade 5 Literature at minimum). 12, one-half hour private music lessons for music majors on woodwind instruments: flute, oboe, clarinet, bassoon, saxophone. Additional fee is required.

MUSC 2765 – Private Lessons: Winds **2 cr**
Prereq: MUSC 1765 and Audition (Must be able to perform NYSSMA Grade 5 Literature at minimum). 12, 45 minute private music lessons for music performance majors on woodwind instruments: flute, oboe, clarinet, bassoon, saxophone. Additional fee is required.

MUSC 2770 – Private Lessons: Percussion **1 cr**
Prereq: MUSC 1770. 12, one-half hour private music lessons for non-music majors on percussion instruments: drums, set, xylophone, marimba, timpani, percussion. Additional fee is required.

MUSC 2772 – Private Lessons: Percussion **1 cr**
Prereq: MUSC 1772 and Audition (Must be able to perform NYSSMA Grade 5 Literature at minimum). 12, one-half hour private music lessons for music majors on percussion instruments: drums, set, xylophone, marimba, timpani an d percussion. Additional fee is required.

MUSC 2775 – Private Lessons: Percussion **2 cr**
Prereq: MUSC 1775 and Audition (Must be able to perform NYSSMA Grade 5 Literature at minimum). 12, 45 minute private music lessons for music performance majors on percussion instruments: drums, set, xylophone, marimba, timpani and percussion. Additional fee is required.

MUSC 2900 – Special Topics **1 - 3 cr**
Prereq: Department approval. A course in which students explore specific areas of interest under faculty direction.

MUSC 2990 – Fine Arts Project **2 cr**
Prereq: Department approval. A collaboration of dance, music, theatre and/or art students to create individual works to be performed.

NAV 1010 – Beginning Navajo I **5 cr**
First in a series of four courses which focus on listening, speaking, reading, writing and culture. Major objective of the first year is to develop functional language ability in the Navajo culture. Lab attendance is required.

NAV 1020 – Beginning Navajo II(LN) **5 cr**
Prereq: NAV 1010 or instructor approval. The second in a four-course series focusing on five skills: listening, speaking, reading, writing and culture; to develop functional language ability in survival and social situations. Emphasis is on proficiency. Attendance in lab is required.

NDT 1110 – Introduction to Non-Destructive Testing **3 cr**
An introduction to the five major non-destructive testing methods, certification requirements, inspectors responsibilities, visual testing and the use and operation of gauges.

NDT 1114 – Ultrasonics I **3 cr**
Coreq: IND 1120 and NDT 1115. A basic theory of ultrasonic inspection including formulas, methods, applications and limitations.

NDT 1115 – Ultrasonics I Lab **1 cr**
Coreq: NDT 1114. Students will learn basic applications of ultrasonic inspection. Emphasis is placed on familiarizing students with the components and controls of ultrasonic equipment and calibration.

NDT 1120 – Magnetic Particle I **2 cr**
Coreq: NDT 1121. A basic to advanced theory of magnetic particle testing. How magnetizing currents are used, formulas, methods, applications and limitations.

NDT 1121 – Magnetic Particle I Lab **1 cr**
Coreq: NDT 1120. Students will learn basic and advanced applications of magnetic fields, material sensitivity and equipment calibration.

NDT 1122 – Eddy Current I **3 cr**
Prereq: IND 1120. Coreq: NDT 1123. A basic theory of electromagnetic principles, formulas, material applications, methods and limitations.

NDT 1123 – Eddy Current I Lab **1 cr**
Coreq: NDT 1122. Emphasis is placed on familiarizing students with controls of eddy current machines and calibration.

NDT 1130 – Radiation Safety **3 cr**
Prereq: IND 1120. Students are instructed in the rules and regulations of radiation safety, including the characteristics of X-ray and gamma radiation. Use and operation of equipment, calculations, and NRC requirements.

NDT 1132 – Radiography I **3 cr**
Prereq: NDT 1130 and IND 1120. Coreq: NDT 1133. A basic theory of radiography, formulas, inspection methods, film processing, material sensitivity applications and limitations.

NDT 1133 – Radiography I Lab **1 cr**
Coreq: NDT 1132. This course familiarizes students with the components and controls of radiographic equipment. Students apply each of the techniques on various lab samples. NRC safety regulations are also emphasized.

NDT 1210 – Liquid Penetrant I & II **2 cr**
Coreq: NDT 1211. A basic to advanced theory of liquid penetrant testing. How liquid penetrants are used, formulas, methods, applications and limitations.

NDT 1211 – Liquid Penetrant I & II Lab **1 cr**
Coreq: NDT 1210. Students will learn basic and advanced applications of liquid penetrants material sensitivity and equipment calibration.

NDT 1213 – Ultrasonics II **3 cr**
Coreq: NDT 1210. Students will learn basic and advanced applications of liquid penetrants material sensitivity and equipment calibration.

NDT 1214 – Ultrasonics II Lab **1 cr**
Coreq: NDT 1213. Students perform ultrasonic inspection to applicable codes and standards as they apply techniques developed and special techniques.

NDT 1222 – Eddy Current II **2 cr**
Prereq: NDT 1122 and NDT 1123. Coreq: NDT 1223. This advanced theory of eddy current inspection concentrates on codes and standards as they apply to eddy current testing, reporting of test results and developing techniques.

NDT 1223 – Eddy Current II Lab **1 cr**
Coreq: NDT 1222. Students perform eddy current inspection to applicable codes and standards, applying techniques developed and special applications.

NDT 1230 – Codes and Procedures **2 cr**
Prereq: Instructor approval. Students will learn how to read and interpret a variety of codes including ISO 9712, ASME, API, and ASTM documents.

NDT 1232 – Radiography II **3 cr**
Prereq: NDT 1132 and NDT 1133. Coreq: NDT 1233. This advanced theory of radiographic inspection concentrates on codes and standards as they apply to radiography, reporting of test results and developing techniques.

NDT 1233 – Radiography II Lab **1 cr**
Coreq: NDT 1232. This advanced course concentrates on film interpretation, multiple film loading techniques and radiographic procedures.

NDT 1234 – Advanced NDT Concepts **3 cr**
Prereq: Instructor approval. The study of advanced concepts of NDT including specific methods and applications using radioactive isotopes. Emphasis is placed on procedures and applications.

NSG 1250 – Nursing Pharmacology **2 cr**
Prereq: Completion of prerequisite courses and admission to the program per established curriculum plan. Introduces the basic concepts of pharmacology. Utilizing the nursing process, students are introduced to the safe administration of medications to clients across the health continuum.

NSG 1350 – Nursing Fundamentals **4 cr**
Prereq: Completion of Nursing Program prerequisite courses and admission to the program per established curriculum plan. Coreq: NSG 1355 (without exception). Introduces theories basic to the student assuming the role of provider, manager and member of the nursing profession. Emphasis is placed on introduction to critical thinking and the nursing process.

NSG 1355 – Nursing Fundamentals Clinical **2 cr**
Prereq: Completion of Nursing Program prerequisite courses and admission to the program per established curriculum plan. Coreq: NSG 1350 (without exception). The clinical experience builds upon concepts and skills introduced in NSG 1350. Clinical experience expands critical thinking by incorporating the multidisciplinary team in the care of the Nursing Fundamentals client.

NSG 1400 – Maternal Newborn Nursing **2 cr**
Prereq: Completion of prior semester courses per established curriculum plan. Coreq: NSG 1405 (without exception). Provides family centered approach to nursing care of the childbearing client and family across the continuum as provider and manager of care in health care settings.

NSG 1405 – Maternal Newborn Nursing Clinical **1 cr**
Prereq: Completion of prior semester courses per established curriculum plan. Coreq: NSG 1400 (without exception). The clinical experience builds upon concepts and skills introduced in NSG 1400. Clinical experience expands critical thinking by incorporating the multidisciplinary team in the care of the Maternal Newborn client.

NSG 1500 – Nursing Care of Children **2 cr**
Prereq: Completion of prior semester courses per established curriculum plan. Coreq: NSG 1505 (without exception). Introduces students to family centered pediatric nursing care of infants, children, adolescents and their families across the health continuum in body systems.

NSG 1505 – Nursing Care of Children Clinical **0.5 cr**
Prereq: Completion of prior semester courses per established curriculum plan. Coreq: NSG 1500 (without exception). The clinical experience builds upon concepts and skills introduced in NSG 1500. Clinical experience expands critical thinking by incorporating the multidisciplinary team in the care of the pediatric client.

NSG 1700 – Medical Surgical Nursing I **4 cr**
Prereq: Completion of prior semester courses per established curriculum plan. Coreq: NSG 1705 (without exception). Builds upon prior curriculum content to introduce the student to basic medical/surgical nursing care across the health continuum.

NSG 1705 – Medical Surgical Nursing I Clinical **2 cr**
Prereq: Completion of prior semester courses per established curriculum plan. Coreq: NSG 1700 (without exception). The clinical experience builds upon concepts and skills introduced in NSG 1700. Clinical experience expands critical thinking by incorporating the multidisciplinary team in the care of the basic medical surgical client.

NSG 1800 – Transition Into Practical Nursing **2 cr**
Prereq: Completion of the first year of nursing. Coreq: NSG 1805 (without exception). Prepares the qualified student to transition into the role of practical nurse. The nursing process and critical thinking skills are utilized in the study and application of contents essential to client care across the health continuum.

NSG 1805 – Transition into Practical Nursing Clinical **1 cr**
Prereq: Completion of the first year of nursing. Coreq: NSG 1800 (without exception). The clinical experience builds upon the concepts and skills introduced in the first year of the nursing program. Clinical experience expands critical thinking related to the role and scope of practice of the LPN.

NSG 1900 – Transition into A.S. Nursing **1 cr**
Prereq: Completion of first year of Nursing. Designed to assist the licensed practical nurse in adapting to the new role of a registered nurse as provider, manager and member of the nursing profession.

NSG 1990 – Independent Study Course **1 - 5 cr**
Prereq: Actively enrolled in the Nursing Program. This course is offered on an individual basis to student nurses. It allows the student to complete one to five hours of guided independent learning experiences within the first year.

NSG 2200 – Medical Surgical Nursing II **4 cr**
Prereq: Completion of prior semester courses per established curriculum plan. Coreq: NSG 2205 (without exception). Builds upon concepts introduced in NSG 1700. Course content expands critical thinking by reviewing body systems and the nursing process for the care of the intermediate medical/surgical client.

NSG 2205 – Medical Surgical Nursing II Clinical **2 cr**
Prereq: Completion of prior semester courses per established curriculum plan. Coreq: NSG 2200 (without exception). The clinical experience builds upon concepts and skills introduced in NSG 2200. Clinical experience expands critical thinking by incorporating the multidisciplinary team in the care of the intermediate medical surgical client.

NSG 2250 – Pharmacology II **2 cr**
Prereq: Completion of prior semester courses per established curriculum plan. Continues to build upon the concepts introduced in NSG 1250, Nursing Pharmacology, in the safe administration of medications of clients across the health continuum.

NSG 2300 – Community Nursing **2 cr**
Prereq: Completion of prior semester courses per established curriculum plan. Coreq: NSG 2305 (without exception). Introduces students to various health care delivery systems within the community. Concepts of holistic care are emphasized in providing primary, secondary and tertiary prevention to aggregates across the health continuum.

NSG 2305 – Community Nursing Clinical **1 cr**
Prereq: Completion of prior semester courses per established curriculum plan. Coreq: NSG 2300 (no exceptions). The clinical experience builds upon concepts and skills introduced in NSG 2300. Clinical experience expands critical thinking by incorporating the multidisciplinary team in the care of the Community Nursing client.

NSG 2400 – Medical Surgical Nursing III **3 cr**
Prereq: Completion of prior semester courses per established curriculum plan. Coreq: NSG 2405 (without exception). Integrates all previous curricular concepts in medical/ surgical nursing into the care of the advanced medical surgical client. Course content expands critical thinking by reviewing body systems and the nursing process for the care of the advanced medical surgical client.

NSG 2405 – Medical Surgical Nursing III Clinical **1 cr**
Prereq: Completion of prior semester courses per established curriculum plan. Coreq: NSG 2400 (without exception). The clinical experience builds upon concepts and skills introduced in NSG 2400. Clinical experience expands critical thinking by incorporating the multidisciplinary team in the care of the advanced medical surgical nursing client.

NSG 2500 – Nursing Management Trends and Issues **1.5 cr**
Prereq: Completion of prior semester courses per established curriculum plan. Introduces the student to current trends and issues affecting client care and the nursing profession.

NSG 2600 – Mental Health Nursing **2 cr**
Prereq: Completion of prior semester courses per established curriculum plan. Coreq: NSG 2605 (without exception). Intended to provide basic understanding of psychiatric nursing care principles to clients across the health continuum.

NSG 2605 – Mental Health Nursing Clinical **1 cr**
Prereq: Completion of prior semester courses per established curriculum plan. Coreq: NSG 2600 (without exception). The clinical experience builds upon concepts and skills introduced in NSG 2600. Clinical experience expands critical thinking by incorporating the multidisciplinary team in the care of the Mental Health client.

NSG 2900 – Pathophysiology **4 cr**
Prereq: Completion of Nursing Program prerequisite courses. Intended to provide basic understanding of pathophysiologic principles and processes across the health continuum. These are discussed and applied to the most common disease states according to each body system.

NSG 2990 – Independent Study Course 2nd Year **1 - 5 cr**
Prereq: Actively enrolled in the Nursing Program. This course is offered on an individual basis to student nurses. It allows the student to complete one to five hours of guided independent learning experiences within the second year.

OTA 1020 – Introduction to Occupational Therapy **2 cr**
Students learn history, principles, philosophy of profession and scope of practice, work settings and specialty areas. Ethics, standards, legal issues and behavior addressed. Visits to local clinicians and field trips scheduled.

OTA 1100 – Functional Anatomy **3 cr**
Prereq: OTA 1020 and acceptance into the OTA Program. Students will explore neuro-musculoskeletal anatomy in depth and relate it to functional activity. Topics include neuroanatomy, structure and function of the musculoskeletal system, and components of human motion.

OTA 1105 – Functional Anatomy Lab **1 cr**
Prereq: OTA 1020 and acceptance into the OTA Program. Students will palpate musculoskeletal anatomy in depth and relate it to data collection and functional activity.

OTA 1120 – OT Modalities I Lecture **2 cr**
Prereq: OTA 1020. Students study wheelchair use, adaptations, seating safety. Basic ADL and IADL adapted devices and occupational roles. Activity analysis, architectural accessibility and changes. Assistive technology and OT treatment covered.

OTA 1130 – OT Modalities I Lecture/Lab **1 cr**
Prereq: OTA 1020. Coreq: OTA 1120. Students learn practical application of lecture content.

OTA 1140 – Physical Dysfunction Lecture **3 cr**
Prereq: OTA 1020. Students learn effects of dysfunction on occupational habits occupational roles, apply OT process, problem-solving ideas. Introduction to assessment and treatment techniques and community resources.

OTA 1150 – Physical Dysfunction Lab **1 cr**
Prereq: OTA 1020. Students learn practical application of lecture content. Designated as a Service Learning course.

OTA 1170 – Physical Dysfunction Field Week I Ex **2 cr**
Prereq: OTA 1020. Students will obtain clinical experience in adult physical dysfunction specialty area. FW sites will be arranged by OT faculty and will consist of 30 hours of off-campus observation and participation at a physical rehab facility. Designated as a Service Learning course.

OTA 1180 – OT Domain & Process **2 cr**
Prereq: OTA 1020. Students learn the history and philosophy of occupational therapy, along with the domain of the profession and service models and processes. The COTA role will be explored within current health care systems.

OTA 1210 – OT Professional Issues I **2 cr**
Prereq: OTA 1170. Students will study professional behaviors appropriate for placement in fieldwork sites. Successful work skills, client-centered practice in the community will be explored. Designated as a Service Learning course.

OTA 1220 – OT Modalities II Lecture **2 cr**
Prereq: OTA 1120 and 1130. Students will learn theory of assistive technology and application of upper extremity splinting, prostheses, ortho devices, computer technology and environmental controls. Designated as a Service Learning course.

OTA 1230 – OT Modalities II Lecture/Lab **1 cr**
Prereq: OTA 1120 and 1130. Coreq: OTA 1220. Students learn practical application of lecture content.

OTA 1240 – Physical Dysfunction II **3 cr**
Prereq: OTA 1100, 1110, 1140, and 1150. Coreq: OTA 1250. Students learn how occupational performance is affected by human motion across the life span and types of disabilities. Students learn how OT interventions and community resources impact functional performance. Designated as a Service Learning course.

OTA 1250 – Physical Dysfunction II Lab **1 cr**
Prereq: OTA 1100, 1110, 1140, and 1150. Coreq: OTA 1240. Students learn how occupational performance is affected by human motion across the life span and types of disabilities. Students learn how OT interventions and community resources impact functional performance. Designated as a Service Learning course.

OTA 1270 – Pediatric FW Experience **2 cr**
Prereq: OTA 1170. Students will obtain clinical experience in pediatric specialty area. FW sites will be arranged by OTA faculty and will consist of 30 hours of off-campus observation and participation at a pediatric facility. Designated as a Service Learning course.

OTA 1280 – Pediatric/Adolescence Lecture **3 cr**
Prereq: OTA 1100 and 1110. Students will study normal human development and common disabilities related to childhood from birth to adolescence. OT process will be explored in sensorimotor, psychosocial, play and cognitive treatment techniques.

OTA 1290 – Pediatric/Adolescence Lab **1 cr**
Prereq: OTA 1100 and 1110. Students learn practical application of lecture content.

OTA 2310 – OT Professional Issues II **2 cr**
Prereq: OTA 1210. Students will study interpersonal and group communications, ethics, standards of practice, supervisory relationships, OT theory and activity programming as they relate to the role of the COTA in the community. Designated as a Service Learning course.

OTA 2320 – OT Modalities III Lecture **2 cr**
Prereq: OTA 1220 and 1230. Students will learn to use hand tools and basic craft techniques for therapeutic application, skill development, activity analysis, and group therapy process. Designated as a Service Learning course.

OTA 2330 – Modalities III Lecture/Lab **1 cr**
Prereq: OTA 1220 and 1230. Coreq: OTA 2320, 2340 and 2350. Students learn practical application of lecture content.

OTA 2340 – Psychosocial Behavior **3 cr**
Prereq: OTA 1140 and 1280. Students will study psychosocial dysfunction across life span, OT interventions through current OT frames of reference, and treatment planning interventions including group dynamics and operations.

OTA 2350 – Geriatrics **3 cr**
Prereq: OTA 1140 and 1240. Students will study normal aging process, physical, psychosocial and cognitive dysfunctions common to the elderly and OT interventions through OT frames of reference and adaptation. Designated as a Service Learning course.

OTA 2380 – Psychosocial/Geriatrics FW I Experience **2 cr**
Prereq: OTA 1170 and 1270. Students will obtain clinical experience in Geri/psych specialty area. FW I sites will be arranged by OTA faculty and will consist of 30 hours of off-campus observation and participation at a Geri/psych rehab facility. Designated as a Service Learning course.

OTA 2450 – Fieldwork Experience II Part 1 **6 cr**
Prereq: OTA 1170, 1270, and 2380. Students will complete 320 hours of clinical fieldwork experience in a community setting arranged by OTA faculty. Students will practice skills necessary for entry level performance as an occupational therapy assistant. Designated as a Service Learning course.

OTA 2460 – Fieldwork Experience II Part 2 **6 cr**
Prereq: OTA 1170, 1270, 2380, and 2450. Students will complete 320 hours of clinical fieldwork experience in a community setting arranged by OTA faculty. Students will practice skills necessary for entry level performance as an occupational therapy assistant. Designated as a Service Learning course.

OTA 2960 – OT and PT in the Workplace **2 cr**
Prereq: Instructor approval. Students learn principles of work hardening, work conditioning, industrial rehab as well as work place safety, injury prevention, ergonomics and ADA implementation.

OTA 2990 – Special Topics **2 cr**
Prereq: Instructor approval. This course will cover special topics such as: Review materials for NBCOT Exam. Enrollment requires faculty approval.

PED 1010 – Introduction to Paraeducation **3 cr**
This course overviews concepts relevant to paraeducation including working with teachers, relating to students with disabilities, history of special education services, legal issues and communication techniques.

PED 1500 – Behavioral Observations **2 cr**
Prereq: PED 1010. This course introduces students to basic behavior management principles used in educational settings. Students will complete experiences within a classroom setting under the direction of a supervising educator.

PED 1700 – Collaboration in the Classroom **3 cr**
Prereq: PED 1010. A student successfully completing this class will combine the historical foundations and rational with definitions and dimensions of interactive teams for a solid foundation in collaboration within the educational community. Designated as a Service Learning course.

PED 2100 – Health Needs in the Classroom **3 cr**
Prereq: PED 1010. This class includes how to ensure health care for students who have health impairments. Students will learn about the relationship between school and medical professionals. Designated as a Service Learning course.

PED 2150 – Introductory Experience **3 cr**
Prereq: PED 1010. Course overviews classroom techniques and will address ethical and professional responsibilities. Under the direction of a supervising educator, students will learn to implement teaching programs using a variety of techniques.

PED 2160 – Introduction Experience Practicum **1 cr**
Coreq: PED 2150. Course provides a supervised classroom experience that allows students to apply what they are learning in the classroom to public education settings.

PED 2200 – Introduction to Deafblindness **3 cr**
This course is an introduction to deafblindness and its impact on learning and development. It is an overview of the sensory systems and the issues that arise when an individual has a combined loss of vision and hearing.

PED 2250 – Communication and Interaction **3 cr**
An introduction to the communication needs and relationship development of individuals with deafblindness. This course will explain the unique impact of deafblindness on communication, language, and speech.

PED 2260 – Deafblindness with Disabilities **3 cr**
An overview of modifications and adaptations in accommodating persons with deafblindness and additional disabilities. Introduction of various instructional, material, and environmental strategies will be presented.

PED 2990 – Special Studies in Paraeducation **1 - 3 cr**
Prereq: Instructor approval. This course focuses on special projects and/or current topics arranged as needed or as available. Paraeducation students will benefit from selected instructors who specialize in the subject area presented.

PFA 1110 – Trade Related Math **2 cr**
Applied related grade math required for the core curriculum success of each student. This course covers basic math through Triangular Trigonometry.

PFA 1111 – Soldering and Brazing **2 cr**
Theory and application of soldered and brazed joints, pipe preparation, and reaming.

PFA 1140 – Principles of Technology **2 cr**
This class will provide training in basic principles of physics and practical examples that relate to the industry.

PFA 1150 – Job Safety and Heritage **2 cr**
Brief history of the Plumbing/Pipefitting industry and the organizational structure of the trade. Emphasis on the importance of job safety, personal safety, and the well being of others on the job site.

PFA 1160 – Use and Care, Pipe Fittings **2 cr**
Theory and practical hands on applications of various pipe fittings, their uses and purposes, use and care of the materials and equipment used in the trade.

PFA 1170 – Plumbing Science & Mechanics **2 cr**
Course includes the basics of theory involving water, steam, hydraulics, pneumatics, and metals in preparation for deeper understanding of the trade.

PFA 1210 – Gas Installations **2 cr**
Code and local amendments as they pertain to the natural gas and industrial gas usages, various materials required, use applications, and methods of installation accepted by the gas industry.

PFA 1211 – Hydronic Heating Cooling System **2 cr**
Hydronics is the science of heating and cooling with water. Curriculum includes technical aspects of design, calculation, and installation of hydronic systems.

PFA 1250 – Basic Electricity **2 cr**
Basic principles and applications of electricity common to Plumbers and Pipefitters. Safety requirements, basic devices and tools, circuits, and electrical measuring instruments are included.

PFA 1260 – Drafting and Plan Reading **2 cr**
This course provides the student with basic principles and practices of plan drafting and interpretation.

PFA 2151 – Welding I **2 cr**
Theory and application of shielded metal arc welding, oxy-acetylene welding and oxy-acetylene cutting. A study of electrode classification and welding procedures with proper safety and safe use of equipment.

PFA 2152 – Welding II **2 cr**
Structural plate welding including flat, horizontal and overhead welding. Weld defects and the properties of metals. Destructive testing and welding procedures for code work.

PFA 2153 – Welding III **2 cr**
Advanced plate welding and certification. Introduction to pipe welding.

PFA 2154 – Welding IV **2 cr**
Advanced welding practices in the pipefitting industry, preparation for certification and code welding methods.

PFA 2155 – Welding V **2 cr**
Theory and application of shielded metal arc welding, oxy-acetylene welding and oxy-acetylene cutting. A study of electrode classification and welding procedures with proper safety and safe use of equipment.

PFA 2156 – Welding VI **2 cr**
Structural welding including flat horizontal, vertical, and overhead welding. Weld defects and the properties of metals Destructive testing and welding procedures for code work.

PFA 2157 – Welding VII **2 cr**
Advanced welding practices in the pipefitting industry, preparation for certification and code welding methods.

PFA 2158 – Welding VIII **2 cr**
Structural plate welding including flat horizontal, vertical and overhead welding. Weld defects and the properties of metals. Destructive testing and welding procedures for code work.

PFA 2159 – Welding IX **2 cr**
Advanced plate welding and certification. Introduction to pipe welding.

PFA 2160 – Welding X **2 cr**
Advanced welding practices in the pipefitting industry, preparation for certification and code welding methods.

PFA 2161 – Pipe Bending **2 cr**
Theory and application of practical pipe bending and methods utilized in the industry.

PFA 2162 – Orbital Welding **2 cr**
This course will include study and training on industry specific power supplies, weld heads and preparation for orbital welding certification.

PFA 2311 – Pumps and Steam Systems **2 cr**
Theory and application of a variety of pumps and pumping processes. Study also includes hot steam systems and the application of pumps and processes utilized in the industry.

PFA 2331 – Brazing, Compressor Overhaul **2 cr**
Basic instruction in brazing and brazing methods, materials used and good practices. Compressor function and utilization. Breakdown of a compressor and component parts testing and inventory.

PFA 2350 – Drainage I **2 cr**
Utilization of drainage in commercial and industrial applications including various materials, applicable piping for drainage systems, installation and joint connections.

PFA 2351 – Drainage II **2 cr**
Industrial and commercial drainage systems, sumps, drain fields and hazardous material handling.

PFA 2360 – Water Supply I **2 cr**
Water supply systems including potable and non-potable water systems. Material usage and application.

PFA 2361 – Water Supply II **2 cr**
Advanced water supply system study including commercial and industrial applications.

PFA 2441 – Advanced Plan Reading **2 cr**
Study of isometric pipe and plumbing drawings and shop drawings as used in the industry.

PFA 2450 – Builders Level and Special Instruction **2 cr**
Instruction in the set-up and use of a builder's level, lasers, and special instruments for layout and leveling.

PFA 2460 – Hydronics Systems **2 cr**
Advanced course in hydronics systems, use and installation and fabrication of joints and materials.

PFA 2470 – Plumbing Fixtures, Appliances **2 cr**
Detailed course in plumbing fixtures and appliances used in the industry including use, installation, and code requirements.

PFA 2541 – Medical Gas Certification **2 cr**
Instruction on requirements and competencies for Certification in medical gas installation and repair.

PFA 2550 – Back Flow Testing Certification **2 cr**
Instruction on code and Utah requirements and competencies for Certification to install and/or repair back flow prevention systems.

PFA 2551 – General Pipe Fitting **2 cr**
This course introduces students to general pipefitting principles and techniques.

PFA 2552 – General Pipe Fitting II **2 cr**
Prereq: PFA 2551. This course will continue study of general pipe fitting principles and techniques and introduce hands on application of the skills and knowledge learned.

PFA 2560 – International Plumbing Code **2 cr**
Detailed course on the International Plumbing Code with any amendments and provisions.

PFA 2570 – Test Prep-Code **2 cr**
New code updates and amendments as needed and practical hands on applications.

PFA 2571 – Test Prep-Math **2 cr**
Applied mathematical conclusions for plumbing and pipefitting code applications and installation.

PFA 2572 – Test Prep-Shop **2 cr**
Safety requirements and detail work in shop environments including tools, materials, and MSDS sheets.

PFA 2573 – Pipe Fitting Test Prep **2 cr**
Course includes applied mathematical conclusions, code and safety requirements related to the pipe fitting industry as preparation for the industry Pipe Fitting Journeyman exam.

PHAR 1010 – Introduction to Pharmacy Practice **2 cr**
Prereq: MATH 0920 or MATH 0950 or appropriate Accuplacer score. Course reviews fundamentals of pharmacy practice in variety of settings. Career opportunities, terminology, prescription processing, dosage forms, routes of administration, quality control, technician roles and responsibilities are explored.

PHAR 1020 – Pharmacology **2 cr**
Prereq: Students need to apply and qualify for program admission. The course covers the nature of drugs, drug absorption, and patient variables that affect drug therapy. Course reviews the classification of drug treatment and reviews generalities of physiology involved with various disease states.

PHAR 1030 – Compounding/Sterile Products **2 cr**
Prereq: PHAR 1010, PHAR 1020, and PHAR 1040. This course reviews the packaging, preservation and storage of compounded drugs. Coated tablets, solutions and suspensions are examined. Sterile procedures with vials and IV bottles and bags are explained.

PHAR 1040 – Calculations and Law **2 cr**
Prereq: MATH 0920 or MATH 0950, or appropriate Accuplacer score. Course covers pharmaceutical math, dosage calculations, and conversion skills needed by technicians. Medical terminology related to pharmacy practice and practical application of state and federal pharmacy law are reviewed.

PHAR 1050 – Pharmacy Computers **2 cr**
Prereq: PHAR 1010 and MA 1100. This course stresses practical applications of the concepts learned in PHAR 1010. Hands-on experience with a computerized system for dispensing prescriptions and preparing third party pay documents is the focus.

PHAR 1065 – Pharmacology III OTC **2 cr**
Prereq: PHAR 1020. Coreq: PHAR 1060. Specific classes of over-the-counter medications/products will be discussed with emphasis on knowledge required for making appropriate recommendations for selections and use of these products by consumers.

PHAR 1070 – Fieldwork Preparation **4 cr**
Prereq: PHAR 1010, 1020, 1030, 1040, 1050, 1060, 1065, MA 1100. Course places students in on-the-job training in community, retail, hospital practice sites with review of specific tech duties in each site. Top 300 prescription drugs are covered in preparation for PTCB National Certification Exam.

PHAR 1075 – Pharmacy Adjudication **1 cr**
Prereq: MA 1100, PHAR 1010, PHAR 1020, PHAR 1030, PHAR 1040, PHAR 1050, PHAR 1060, PHAR 1065. This course acquaints students with knowledge of electronic billing and adjudication procedures used in a pharmacy setting. Rejections and third party billing requirements will be covered.

PHIL 1000 – Introduction to Philosophy (HU) **3 cr**
This introductory survey of philosophy examines the historical development of Western philosophy and philosophical problems concerning truth, reality, and values. The course introduces philosophical methods of inquiry and argumentation.

PHIL 1120 – Ethics and Moral Problems (ID) 3 cr
Explores classic moral philosophies (e. g. Mill, Kant, Rawls, Aristotle); and principles and arguments regarding moral dilemmas such as war, death penalty, euthanasia, abortion, poverty, globalization, oppression, animal rights and more.

PHIL 1200 – Diversity & Philosophy of Work (ID, DV) 3 cr
A philosophical inquiry into alienation, marginalization and assimilation in the world of work. Studies how societal constructs granting privilege on the basis of race, gender, class, religion, etc. affect US work environments.

PHIL 1250 – Reasoning. & Rational Decision-Making (IN) 3 cr
Strengthens critical thinking skills through analyzing and evaluating arguments, basic logical framework, Aristotelian logic, beginning logic of sentences, fallacies, probability, statistical reasoning and other forms of inductive argument.

PHIL 2300 – Introduction Environmental Ethics (HU) 3 cr
Philosophical analyses of our ethical relationships to the environment, such as moral extensionism, deep ecology, ecofeminism, and environmental justice. Application to classic and contemporary environmental issues.

PHIL 2350 – Philosophy of Religion (HU) 3 cr
This course will explicate and evaluate some of the truth-claims made by the major world religions concerning the nature of reality and humanity's relationship to it. It will address such classic topics in Philosophy of Religion as conceived of by the major Western monotheistic traditions (i. e. , Judaism, Christianity, Islam).

PHYS 1010 – Elementary Physics (PS) 3 cr
Conceptual survey course in introductory physics. For non-science majors. Principles of mechanics, heat, light, sound, electricity, magnetism, and modern physics.

PHYS 1040 – Elementary Astronomy (PS) 3 cr
Course includes structure, scale, and behavior of the universe and its underlying laws presented in a conceptual format. It shows examples of formation and workings of the sun and planets. Also teaches earth as a planet and as a reference for reckoning of the celestial sphere.

PHYS 2010 – College Physics I 4 cr
Prereq: MATH 1060 or 1080. Recommended coreq: PHYS 2015. For pre-professional, non-science, non-engineering majors. Newton's laws of motion, gravity, work and energy, solid body motion, fluid motion, vibrations and waves, and thermal physics.

PHYS 2011 – Physics Problem Session **1 cr**
Problem session for PHY 2010, based on the lecture class. Though not required, students are strongly encouraged to register for this session.

PHYS 2015 – College Physics Lab I **1 cr**
Prereq: MATH 1060 or 1080. Recommended coreq: PHYS 2010. Graded laboratory taken concurrently with PHYS 2010.

PHYS 2020 – College Physics II **4 cr**
Prereq: PHYS 2010. Recommended coreq: PHYS 2025. Continuation of PHYS 2010. Laws of electricity and magnetism optics and light, modern atomic theory, nuclear physics and an overview of relativity.

PHYS 2021 – Physics Problem Session **1 cr**
Problem session for PHYS 2020, based on lecture classes. Though not required, students are strongly encouraged to register for this session.

PHYS 2025 – College Physics Lab II **1 cr**
Prereq: PHYS 2010. Recommended coreq: PHYS 2020. Graded laboratory taken concurrently with PHYS 2010.

PHYS 2210 – Physics for Science & Engineering I **4 cr**
Prereq: MATH 1210. Recommended coreq: PHYS 2215. For engineering and science majors. Mechanics and Newton's laws presented with calculus. Gravity, energy, momentum, fluid mechanics, oscillations, waves, and thermodynamics. Use of computers in problem-solving.

PHYS 2211 – Physics Problem Session **1 cr**
Problem session for PHYS 2210, based on lecture classes. Though not required, students are strongly encouraged to register for this session.

PHYS 2215 – Physics for Science & Engineering Lab I **1 cr**
Prereq: MATH 1210. Recommended coreq: PHYS 2210. Graded laboratory taken concurrently with PHYS 2210.

PHYS 2220 – Physics for Science & Engineering II **4 cr**
Prereq: PHYS 2210 and MATH 1220. Recommended coreq: PHYS 2225. Continuation of PHYS 2210. Laws of electricity and magnetism, AC circuits, optics and waves. Use of computers in problem solving.

PHYS 2221 – Physics Problem Session **1 cr**
Problem session for PHYS 2220, based on lecture classes. Though not required, students are strongly encouraged to register for this session.

PHYS 2225 – Physics for Science & Engineering Lab II **1 cr**
Prereq: PHYS 2210 and MATH 1220. Recommended coreq: PHYS 2220. Graded laboratory taken concurrently with PHYS 2220.

PHYS 2500 – Computer Methods in Physics **2 cr**
Prereq: PHYS 2210. Recommended prereq: PHYS 2220. Computer software and methods commonly used in physics are introduced including the use of numerical, graphical, and symbolic manipulation software to solve common physics problems. Other common applications encountered by the physics professional will be explored.

PHYS 2710 – Introductory Modern Physics **3 cr**
Prereq: MATH 2210, PHYS 2220, PHYS 2225 w/ C grade or better. Recommended prereq: MATH 2250. Introduction to Modern Physics with a focus on relativity, quantum mechanics, and atomic physics. Applications in solid-state physics, bonding in molecules and solids, and nuclear physics.

PILT 1010 – Air Transportation **3 cr**
This course includes a survey of the air transportation industry to include airline deregulation, government regulatory agencies, general aviation, and airline management operations and aircraft.

PILT 1040 – Aviation Orientation **1 cr**
Students will be introduced to many aspects of the aviation industry, job opportunities, flight program, procedures, and how to finance flight training. Students will be given the opportunity to meet with industry personnel.

PILT 1050 – Aviation History **2 cr**
Prereq: PILT 1010. The history of aviation from the earliest times through the modern jet age will be covered. Students will discover significant aviation developments and how they came about.

PILT 1100 – Private Pilot Ground School **4 cr**
Coreq: PILT 1110, 1115, 1140, or 1145 . A study of aviation fundamentals, principals of flight, aircraft and engine operations, weather, navigation, and radio communications as required by FAA regulations. Students will be prepared to begin flight training.

PILT 1110 – Private Fixed Wing Simulator Lab **1 cr**
Coreq: PILT 1100 required for non-flying student enrolled in PILT 1100 or AS Degree Dispatch Track; optional for Continuing Education students. Practical application in a simulation lab to include the information for private pilot flight maneuvers and procedures and regulations for takeoff, cruise, traffic pattern operations, approach, emergencies, and cross-country operations. One hour per week lab time is required.

PILT 1115 – Private Rotor Wing Simulator Lab **1 cr**
Coreq: PILT 1100 required for nonflying student enrolled in 1100. Practical application in a simulation lab to include private pilot flight maneuvers, procedures and regulations associated with takeoff, cruise, traffic pattern operations, approach, emergencies, and cross-country operations. One hour per week lab time is required.

PILT 1140 – Solo Pilot Fixed-Wing Certified Lab **1 cr**
Prereq: PILT 1100 or concurrently. Students will begin flight training with an FAA-certified flight instructor. Training will include all skills necessary to fly solo.

PILT 1145 – Solo Pilot Rotor-Wing Certified Lab **1 cr**
Prereq: PILT 1100 or concurrently. Students will begin flight training with an FAA-certified flight instructor. Training will include all skills necessary to fly solo in a rotorcraft.

PILT 1150 – Private Pilot Fixed-Wing Certified Lab **2 cr**
Prereq: PILT 1140. Students continue to fly with an FAA-certified flight instructor. Training will include all the skills necessary for a private pilot's license. The student will fly under Part 141 of the FAA regulations.

PILT 1155 – Private Pilot Rotor-Wing Certified Lab **2 cr**
Prereq: PILT 1145. Students will gain basic aeronautical knowledge to safely operate the rotorcraft within FAA guidelines including skills to perform basic maneuvers. Students will fly under Part 141 of the FAA regulations.

PILT 1250 – Instrument Ground School **3 cr**
Prereq: PILT 1150 or 1155. Coreq: PILT 1260 or 1265. A more in-depth study of the purpose, operations, and use of aircraft instrumentation in airport departures, en-route, navigation, and instrument approaches. Student will be prepared to qualify as an instrument-rated pilot.

PILT 1260 – Instrument Simulator Fixed-Wing Lab **1 cr**
Prereq: PILT 1150. Coreq: PILT 1250. Practical application in a simulation lab to include the information for instrument flight procedures and regulations for departures, en route, approach and landing. Two hours per week lab time is required.

PILT 1265 – Instrument Simulator Rotor-Wing Lab **1 cr**
Prereq: PILT 1155. Coreq: PILT 1250. Practical application in a simulation lab to include the information for instrument flight procedures and regulations for departure, en route, approach and landing. Two hours per week lab time is required.

PILT 1300 – Instrument Certification Fixed-Wing Lab **3 cr**
Coreq: PILT 1250. Flight navigation will emphasize radio navigation as it relates to instrument approaches, en route procedures, and departures. Students will be prepared to take the FAA evaluations. Approximate flight time is 35 hours.

PILT 1305 – Transition Rotor Wing Lab xx **1 cr**
Prereq: PILT 1155. Students will develop the skills, knowledge and aeronautical experience necessary to operate the specified piston-engine helicopter to proficiency level that meets or exceeds the criteria outlined in the piston-engine rotorcraft manufactures ground and flight procedures handbook.

PILT 1315 – Instrument Rotor Wing Lab **2 cr**
Coreq: PILT 1250. The student will develop the skills, knowledge and aeronautical experience necessary to meet requirements for an instrument rating, as specified in FAA Part 141 with a helicopter class rating.

PILT 1400 – Introduction to Air Traffic Control **3 cr**
This course overviews Air Traffic Control principles, rules, regulations, positions, responsibilities, terms and techniques. Pilots and perspective controllers will gain fundamental insight into the National Airspace System.

PILT 1420 – Aircraft Systems **3 cr**
This is an introductory course to provide pilots with the understanding of aircraft systems, components, and basic operations general to all aircraft. Included will be information about power plants, fuel, and electrical systems.

PILT 1800 – Ground Tutoring Lab **1 cr**
Coreq: PILT 1100, 1250, 2100 or 2210; instructor approval. This course is designed to assist students enrolled in the Professional Pilot program for fixed-wing and/or rotor-wing. The design of this course is to provide enhance focused learning with the concepts and procedures with the academic ground courses and on areas of student deficiency.

PILT 1840 – Simulator Tutoring Lab **1 cr**
Coreq: PILT 1140, 1145, 1150, 1155, 1300, 1305, 1315, 2200, 2205, 2220, 2240, 2245, 2300, 2305, 2350, or 2355, or instructor approval. This course is designed to assist students enrolled in the Professional Pilot program for fixed-wing and/or rotor-wing. The design of this course is academic flight labs and on areas of student deficiency.

PILT 1990 – Special Studies **1 - 5 cr**
Prereq: Instructor permission. Students will plan a special project in an area of study in cooperation with program coordinator or advisor. Students may also be granted credit for a specialized area of training already completed.

PILT 2000 – Aviation CO-OP **1 - 2 cr**
Prereq: Second-year student, instructor approval. Aviation CO-OP is open to second-year students. This elective class requires special approval prior to registration. See program coordinator for more information.

PILT 2010 – Pre-Graduation Seminar **1 cr**
Prereq: Second-year student. Students will learn techniques for finding, applying for, interviewing and testing for pilot positions. Employers will discuss their hiring requirements, procedures, and what qualities they are expecting from applicants.

PILT 2050 – Aviation Meteorology **3 cr**
Students will learn about atmospheric conditions, weather patterns and observations and their effect on aeronautical applications. Students will learn to read pilot weather reports and obtain pre- and in-flight weather information.

PILT 2100 – Commercial Ground School **3 cr**
Prereq: PILT 1155 and 1250. Coreq: PILT 2205. All previous materials and concepts will be reviewed and development of complex applications. Fundamentals of a professional pilot will be presented to prepare students to complete the FAA commercial rating.

PILT 2150 – ATP Written Exam Prep **1 cr**
Prereq: DISP 1010, 1300, PILT 1400, 2050, or instructor approval. Course will overview theories and applications discussed in the 200 hours of dispatcher training. Course is designed to prepare students to take the FAA exam for certification.

PILT 2200 – Cross Country Fixed Wing Lab **2 cr**
Coreq: PILT 1300 or 2100. A thorough introduction to Pilot-in-Command duties, day and night VFR cross-country planning and associated flight procedures.

PILT 2205 – Cross Country Rotor Wing Lab **2 cr**
Prereq: PILT 1315. Coreq: PILT 2100. A thorough introduction to Pilot in Command duties and IFR/night cross-country planning and associated flight procedures.

PILT 2210 – Multi-Engine Ground School **1 cr**
Prereq: PILT 1150. Coreq: PILT 2220. Student will obtain the knowledge, skill, and aeronautic experience necessary to meet the requirements of the multiengine certificate and multi-engine class rating.

PILT 2220 – Fixed Wing Engine Add On Lab **1 cr**
Prereq: PILT 1150 or instructor approval. This course is taught one-on-one with a flight instructor. It includes the practical knowledge to fly a single or multi-engine aircraft safely and to the standards required for FAA certification.

PILT 2240 – Commercial Pilot Fix Wing Cert Lab **2 cr**
Prereq: PILT 2200. Course completes the foundation necessary to prepare student for the FAA Part 141 commercial pilot certification examination. Commercial maneuvers in a complex aircraft will be conducted.

PILT 2245 – Commercial Pilot Rotor-Wing Cert Lab **2 cr**
Prereq: PILT 2205. Course will complete the foundation necessary to prepare the student to take FAA Part 141 commercial pilot certification examination.

PILT 2250 – Aerodynamics **3 cr**
Theory and practical application of the laws of physics as they pertain to pilots. An understanding of the elements of aerodynamics affecting the control of the flight of an aircraft will be taught.

PILT 2300 – CFI/Airplane Lab **1 cr**
Prereq: PILT 2240. Coreq: PILT 2340. Students desiring to instruct other pilot candidates are prepared in the aircraft by a flight instructor. This course will include flight maneuvers required for the FAA CFI certification process.

PILT 2305 – CFI/Rotor-Wing Lab **1 cr**
Prereq: PILT 2245. Coreq: PILT 2340. Students desiring to instruct other pilot candidates are prepared in the aircraft by a flight instructor. Course will include flight maneuvers required for the FAA CFI certification Appendix F.

PILT 2310 – Human Factors and Safety **3 cr**
Pilot performance affected by training, environment, stress, fatigue, and cockpit design will be discussed. Study of accidents and pilot error as they relate to safety. Illusions, vertigo, and disorientation will be studied.

PILT 2340 – CFI Ground School **3 cr**
Prereq: PILT 2100. Designed to teach learning theories, styles, domains, communication techniques, teaching process, teaching methods, lesson plans, evaluation of student performance and human factors resulting in knowledge required to teach students.

PILT 2350 – CFI/Instrument Fixed-Wing Lab **1 cr**
Prereq: PILT 2300. This course will prepare the flight instructor with the requirements to become FAA certified to instruct in instrument flight.

PILT 2355 – CFI/Instrument Rotor-Wing **1 cr**
Prereq: PILT 2305. Course prepares flight instructor to become FAA certified to instruct students in rotorcraft for instrument flight. Includes maneuvers required for the FAA CFI/ Instrument Rotorcraft-Helicopter Practical Test Standards.

PILT 2400 – CFI/Multi-Engine Fixed-Wing Lab **1 cr**
Prereq: PILT 2200 and 2300. Certified flight instructors master multi-engine aircraft operation to safely and competently demonstrate the course of instruction leading to the multi-engine CFI rating.

PILT 2405 – Turbine Transition Rotor-Wing **1 cr**
Prereq: PILT 1145. Certified flight instructors master Turbine-engine aircraft operation to proficiency level that meets or exceeds the criteria outlined in the turbine-engine rotorcraft manufactures ground and flight procedures handbook.

PILT 2440 – Mountain Flying Fixed-Wing Lab **1 cr**
Prereq: PILT 1150 and 2050. Students will learn proper techniques for safe mountain flying operations. This course includes practical application under the direction of an experienced FAA Part 141 mountain pilot.

PILT 2445 – Mountain Ops Rotor-Wing Lab **1 cr**
Prereq: PILT 2050 and 2245. Students will learn proper techniques for safe mountain flying operations. This course includes practical application under the direction of an experienced mountain pilot.

PILT 2455 – Utility Operations Rotor-Wing Lab **1 cr**
Prereq: PILT 2245. Students will learn proper techniques for safe procedures in specialized areas of rotorcraft operations. This course includes practical applications with external loads under the direction of an experienced utility pilot.

PILT 2470 – Corporate/Business Aviation **2 cr**
This course will acquaint the student with a broad range of topics including corporate and business flight management, type of aircraft used, operational considerations and regulations of the industry.

PLI 1110 – Plumbing I A **5 cr**
Prereq: MATH 0920 or MATH 0950 or Accuplacer, 74 Arithmetic, 35 Algebra or PLI 1470. This is an introduction to the plumbing trade, history, plumbing as a career. Safety on the job site and with tools including safe handling and use, applied mathematics for plumbers and the study of water sources and gases are covered.

PLI 1120 – Plumbing I B **5 cr**
Prereq: PLI 1110. This is the study of mathematics for plumbers, first aid and CPR certification and safety on the job site and with tools and equipment. Course of study includes plumbing fixtures, faucets, valves and blueprint reading.

PLI 1210 – Plumbing II A **5 cr**
Prereq: PLI 1120. Installation practices, introduction to blueprint reading and applied mathematics for plumbers. Properties of water, water pressure, safety on the job site and tools and equipment scaffolding and safety above ground.

PLI 1220 – Plumbing II B **5 cr**
Prereq: PLI 1210. This is the study of installation practices and applied mathematics for plumbers. Theory and practice of seals, traps, air chambers, manometers and u-tubes will be covered.

PLI 1470 – Math for the Trades (QS) **5 cr**
This is a customized plumbers' course in applied mathematics for the trades including algebraic and trigonometric functions.

PLI 2000 – Plumbing CO-OP **3 - 6 cr**
Prereq: Instructor approval. College credit for experience on the job site. Arranged in advance. Requirements are determined by the employer.

PLI 2310 – Plumbing III A **5 cr**
Prereq: PLI 1220. This is the study of fixtures, testing of systems, measurements and grease traps. Intense study of the applicable code and continued mathematics for plumbers will be taught.

PLI 2320 – Plumbing III B **5 cr**
Prereq: PLI 2310. This is an introduction to water heaters and appliance venting, fuel gas piping and control devices. Applied mathematics for plumbers, study of the applicable codes, roof drains and blueprint readings will be covered.

PLI 2410 – Plumbing IV A **5 cr**
Prereq: PLI 2320. Installation practices, repair and service work. Blueprint reading, indirect water systems and special waste systems. Hydraulic theory, heating systems and their practical application.

PLI 2420 – Plumbing IV B **5 cr**
Prereq: PLI 2410. This is the continuation of blueprint reading, gas appliance venting and piping, practical applied application and estimating. Study of the applicable code and review will be included.

PLI 2510 – Plumbing Labs **5 cr**
Special course requested by the Utah State Licensing Board for applicant plumbers to review lab projects prior to retaking practical journeyman's examination.

PLI 2990 – Plumbing Special Studies **5 cr**
Special course requested by the Utah State Licensing Board for applicant plumbers to review lab projects prior to retaking practical journeyman's examination.

PLI 2991 – Plumbing Special Projects II **5 cr**
Special course requested by the Utah State Licensing Board for applicant plumbers to review theory and code issues prior to retaking the written portion of the journeyman's examination.

PLS 1010 – Introduction to Law **3 cr**
Introductory course into the study of law and the legal system. Students will be introduced to legal vocabulary terms, critical thinking and legal reasoning and analysis. Course will also overview most substantive areas of law. Paralegal majors must complete this course with a grade of B or better.

PLS 1020 – Introduction to Civil Litigation **3 cr**
This course overviews the federal and state civil court systems. Students will examine civil procedural rules and stages of litigation. The role of the paralegal will be examined at each stage of the litigation process. Paralegal majors must complete this course with a grade of C or better.

PLS 1030 – Introduction to Research & Writing **3 cr**
Prereq: Eng 1010. Students learn and apply basic research principles to fact situations encountered in a law office. Students will gain familiarity with research tools and methodologies including preparing simple office memoranda and citation style. Paralegal majors must complete this course with a grade of B or better.

PLS 1050 – Legal Research & Writing II **3 cr**
Prereq: PLS 1020 and PLS 1030. Continues and builds on the study of research skills begun in PLS 1030. Emphasizes legal writing aspect of research and writing: appropriate formats, styles and analysis. Paralegal majors must complete this course with a grade of B or better.

PLS 1070 – Criminal Law & Procedure **3 cr**
Overview of criminal law and criminal procedure topics such as elements of crime, mental states, defenses to crimes, constitutional and statutory limitations on prosecutions, the trial process, sentencing and appellate issues, the trial process, sentencing and appellate issues. Paralegal majors must complete this course with a grade of C or better.

PLS 1080 – Contracts **3 cr**
Class examines the elements of basic contracts. It covers sales of goods, sales discharge and damages. Students will analyze various types of contracts and learn to draft a simple contract. Paralegal majors choosing this elective must complete the course with a grade of C or better.

PLS 1100 – Bankruptcy and Collections **3 cr**
This course examines the collection of debts and the discharge of certain financial obligations in bankruptcy, including Chapter 7, 11 and 13 filings. It includes basic collections, bankruptcy law, pleadings and schedules. Paralegal majors choosing this elective must complete the course with a grade of C or better.

PLS 1110 – Wills, Probate and Estates **3 cr**
Course covers preparation of wills, disposition of property other than by will, probate administration and estate litigation. Estate planning and functions of paralegals in this legal area discussed. Paralegal majors choosing this elective must complete the course with a grade of C or better.

PLS 1120 – Paralegal Procedures I **3 cr**
Course covers principles and practice of legal interviewing and fact investigation. Students practice initial client interviews, field investigation, follow up interviews and develop effective human relations and communication skills. Paralegal majors must complete this course with a grade of B or better.

PLS 1130 – Administrative Law **3 cr**
This survey class covers variety of paralegal opportunities, duties and tasks available in the active practice of government offices and agencies. Paralegal majors must complete this course with a grade of C or better.

PLS 1140 – Environmental Law **3 cr**
Students will study the legal aspects of environmental law: issues such as EPA regulations, endangered species, mining, oil and gas leases, clean air and water. Paralegal majors must complete this course with a grade of C or better.

PLS 1160 – Immigration Law and Procedure **3 cr**
Overview of immigration law and procedures. Will focus on practical skills, relevant legal terms, unique immigration court structure, eligibility requirements for citizenship and how to assist in the preparation of required immigration documents.

PLS 1170 – Family Law **3 cr**
The class focuses on Utah statutes and case law governing relationships between husband and wife and their relationship with their offspring. Also basic elements of marriage, divorce, alimony, property distribution and child custody. Paralegal majors must complete this course with a grade of C or better.

PLS 1180 – Evidence **3 cr**
Prereq: PLS 1070. This course examines the Utah Rules of Evidence. Students will also apprehend differences in the Federal Rules. The course demonstrates the applicability of the rules as they pertain to the in-court admission of evidence and testimony. Paralegal majors must complete this course with a grade of C or better.

PLS 1190 – Constitutional Law **3 cr**
Course exposes students to the history and substance of the Constitution and the Bill of Rights. Students will discover the role of the Constitution in our legal system and government. The role of the state constitution will be reviewed. Paralegal majors must complete this course with a grade of C or better.

PLS 1300 – Torts **3 cr**

This is an overview of tort law. Specific skills will be developed in research analysis, drafting and investigation. The course includes negligence, wrongful death, products liability and medical malpractice. Paralegal majors must complete this course with a grade of C or better.

PLS 1530 – Real Estate Law **3 cr**

Study of principles of title, ownership and transfer, joint tenants and tenants in common. Documents of conveyance, security instruments, notes and contracts, liens, foreclosures and redemptions, escrow and closing, public records, and taxes. Paralegal majors must complete this course with a grade of C or better.

PLS 2000 – Paralegal CO-OP **1 - 6 cr**

Prereq: PLS 1050 and Program Approval. Students participate in supervised work experience in a business, industrial or government environment related to paralegals. Credit awarded for successful completion of specific learning objectives that provide new learning on the job. Paralegal majors must complete this course with a grade of C or better.

PLS 2010 – Computer Essentials Paralegals **3 cr**

Prereq: CIS 1020 or Challenge Exam. This class introduces students to computer programs and databases involved in litigation and case management. The latest in technology for the legal community will be explored.

PLS 2050 – Legal Research & Writing III **3 cr**

Prereq: PLS 1050. This course is designed to bring the research expertise gleaned in R and W I together with the writing abilities learned in R and W II. Course provides practical opportunity and experience preparing persuasive legal memoranda. Paralegal majors must complete this course with a grade of C or better.

PLS 2070 – Mediation **3 cr**

Prereq: Variable, contact department. Mediation, an alternative to litigation, is the conflict resolution process that permits parties to satisfactorily resolve the dispute. Students learn the art and techniques of mediation through the role of the mediator. Paralegal majors must complete this course with a grade of C or better.

PLS 2090 – Paralegal Practicum **3 cr**

Prereq: PLS 1010, 1030, 1050, 1120, 2010. Course provides students with practical experience working on actual research assignments and projects provided through interaction in the local community. Students will experience legal work both as individuals and members of a team. Paralegal majors choosing this course must complete it with a grade of C or better.

PLS 2190 – Ethics **3 cr**
Prereq: 12 hours of PLS classes. Course explores the ethical standards of attorneys and paralegals. Topics include the unauthorized practice of law, confidentiality and professionalism. The disciplinary process is also discussed. Paralegal majors must complete this course with a grade of C or better.

PLS 2200 – Legal Portfolio **3 cr**
Prereq: PLS 1050. Students will refine or prepare a cover letter, resume and writing sample to assist in preparing a portfolio for a job search. Current job markets, growth areas and other non traditional job opportunities also will be examined. Paralegal majors choosing this course must complete it with a grade of C or better.

PLS 2250 – Securities **3 cr**
Prereq: PLS 1010. Federal and State statutes governing the offering and sale of securities, notes, stocks, bonds and debentures will be covered. Paralegal majors must complete this course with a grade of C or better.

PLS 2260 – Hollywood and the Law **3 cr**
Prereq: Variable, contact department. Course designed as an enjoyable examination of principles of law as portrayed by Hollywood. Students will study and discuss movies about issues of procedures and constitutional significance. Course designed for the short summer session. Paralegal majors must complete this course with a grade of C or better.

PLS 2990 – Special Studies **3 cr**
Prereq: Variable, contact department. Course focus is on special projects and/or current topics arranged as needed. Course offers students actual paralegal experience in variety of topics available with assistance from instructors specializing in subject area presented. Paralegal majors must complete this class with a grade of C or better.

POLS 1100 – U.S. Government & Politics (AI) **3 cr**
Prereq: RDG 0990 or appropriate Accuplacer score. This is a survey of the institutions and practices of the U. S. government with emphasis placed on political behavior and social conflict. Course may be taught with a Service Learning component.

POLS 1110 – Introduction to State/Local Government **3 cr**
This is an overview of state and local political systems with an emphasis on the constitutional underpinnings, major institutions, practices and public policies at the state and local level.

POLS 1900 – Special Studies **1 - 2 cr**
Prereq: Instructor approval. Under the instructor's supervision, an individualized curriculum is jointly developed and followed.

POLS 2000 – Internship **2 - 4 cr**
Prereq: Instructor approval. Students undertake a supervised hands-on experience in the public sector such as election, legislative, and administrative processes.

POLS 2070 – Diversity & U.S. Politics (SS/DV) **3 cr**
Prereq: POLS 1100 w/C grade or better. Introductory course examines perspectives of long-silenced voices in US politics. It studies racism, sexism, discrimination, inequitable treatment, forced inclusion and exclusion, and barriers to economic and political participation.

POLS 2100 – Introduction International Politics (ID) **3 cr**
This is an introduction to the basic concepts, processes and relationships in the international political arena, with particular emphasis on conflict and cooperation between and among nations.

POLS 2200 – Introduction to Comparative Politics(SS) **3 cr**
This course analyzes how historical and/or contemporary political systems differ in terms of institutions, public policies, and political practices.

POLS 2300 – Political Ideologies (SS) **3 cr**
This course surveys significant political ideologies, documenting their present and past relevance to society. Emphasis is placed on conservatism, fascism, liberalism, and socialism.

POLS 2900 – Special Topics **1 - 3 cr**
Prereq: Instructor approval. This is a course designed by faculty which allows students to explore specific interest areas of political science in a classroom setting.

POLS 2950 – Leadership **2 cr**
This multi-disciplinary course will focus on leadership and management skills, including communication, motivation, problem solving, conflict management and goal setting with an emphasis on personal growth.

POR 1010 – Beginning Portuguese I **5 cr**
First in a series of four courses which focus on listening, speaking, reading, writing and culture. Major objective of the first year is to develop functional language ability in the Portuguese culture. Lab attendance is required.

POR 1020 – Beginning Portuguese II (LN) **5 cr**
Prereq: POR 1010 or instructor approval. Second in a series of four courses which focus on listening, speaking, reading, writing and culture. Major objective of the first year is to develop functional language ability in the Portuguese culture. Lab attendance is required.

POR 1300 – Beginning Conversation **1 cr**
Prereq: POR 1010 or instructor approval. Course practices currently held conversation skills to increase speaking ability and vocabulary. Includes role-plays, small group work and presentations. Lab attendance may be required. May be repeated for credit.

POR 1900 – Special Studies in Portuguese **1 - 2 cr**
Prereq: Instructor approval. In this course in language and culture, students plan areas of study, Service Learning or travel and work with an instructor on an individual basis. Some work may be done in groups. Lab may be required. May be repeated for credit.

POR 2010 – Intermediate Portuguese I **4 cr**
Prereq: POR 1020 or instructor approval. Second-year Portuguese courses increase functional language ability focusing on listening, speaking, reading, writing as well as increased focus on culture (philosophies, history, geography, literature, etc.) Lab attendance is required.

POR 2020 – Intermediate Portuguese II **4 cr**
Prereq: POR 1020 or instructor approval. Second-year Portuguese courses increase functional language ability focusing on listening, speaking, reading, writing as well as increased focus on culture (philosophies, history, geography, literature, etc.) Lab attendance is required.

POR 2300 – Conversation **1 cr**
Prereq: POR 1020 or instructor approval. Course practices currently held conversation skills to increase speaking ability and vocabulary. Includes role-plays, small group activities and presentations. Lab attendance required. May be repeated for credit.

POR 2700 – Introduction to Literature **3 cr**
Prereq: POR 2010 or POR 2020. Second year courses focus on improvement of listening, speaking, reading, writing and culture skills. Major objective is to increase functional language ability through holistic approach to literature. Lab attendance required.

POR 2710 – Introduction to Portuguese Film **3 cr**
Prereq: POR 1020 or instructor approval. Course will aid students in their study of language and culture. Films will be viewed with subtitles and written work and discussions will be in Portuguese. Lab attendance required.

POR 2900 – Special Topics in Portuguese **1 - 3 cr**
This is a course designed by faculty which allows students to explore specific interests in Portuguese language and culture. Lab attendance required. May be repeated for credit.

PSY 1010 – General Psychology (SS) **3 cr**
A basic survey of psychology examining the historical and current foundations supporting the scientific study of mind and behavior.

PSY 1100 – Human Growth & Development(SS) **3 cr**
Fundamentals of growth and development relating to effective human relationships within the family and the study of behavior and cultural influences from infancy through adulthood.

PSY 1210 – Personal Growth & Development **3 cr**
Introduction to the psychology of adjustment which combines research-based theory with personal application. Explores techniques for better adjustment and understanding effects of personal behavior on others.

PSY 1900 – Special Studies **1 - 2 cr**
Prereq: PSY 1010 or instructor approval. Under an instructor's supervision, students develop and follow an individualized curriculum.

PSY 2000 – Psychology CO-OP Education **2 - 4 cr**
Prereq: PSY 1010, Sophomore standing, 2.0 GPA and study related employment. Supervised work experience with specific learning objectives in a business, industrial or government environment to provide learning on the job and in the program major.

PSY 2010 – PSY as a Science & Profession **3 cr**
Prereq: PSY 1010 and ENGL 1010. Students learn and develop skills in critical thinking and critical analysis of basic research in psychology, information gathering in psychological research, basic APA format for writing and references, and course and career options for pursuing the field of psychology.

PSY 2250 – Personality Theory **3 cr**
Prereq: ENGL 1010 and PSY 1010. An introduction to the psychological study of personality which focuses on personality theory, personality assessment techniques and personality change with emphasis on developing a scientific approach to understanding self.

PSY 2300 – Abnormal Psychology **3 cr**
Prereq: ENGL 1010 and PSY 1010. An introduction to the psychological science of mental disorders including problems of emotion, mood, mind, schizophrenia and personality disorders. Diagnosis and treatment will also be considered.

PSY 2400 – Eco-Psychology **3 cr**
Prereq: PSY 1010. Blended class, online and field school combination. Ecopsychology is the interaction of self and the environment. Examines how the environment affects us and how we impact the environment.

PSY 2500 – Social Psychology **3 cr**
Prereq: ENGL 1010 and PSY 1010 or SOC 1010. Focuses on understanding the behavior of individuals in social contexts with emphasis on how and why individuals behave, think, and feel as they do in social situations.

PSY 2600 – Psych-Race, Class, and Gender(SS,DV) **3 cr**
Prereq: PSY 2500. Race, class, gender, and sexual orientation are studied from a psychological perspective to examine how they are embedded in daily life; inform our lives and the lives of others; and the differences in power and privilege that exist.

PSY 2710 – Brain and Behavior **3 cr**
Prereq: PSY 1010. This course examines the biology of behavior, emphasizing underlying neural mechanisms, the interaction between genes and environment, and evolutionary pressures that have shaped the mind.

PSY 2900 – Special Topics in Psychology **1 - 3 cr**
Prereq: PSY 1010 and instructor approval. A faculty designed course which allow students to explore specific areas of psychological interest in a classroom setting.

PTA 1010 – Introduction to Physical Therapy **2 cr**
Students will explore the field of therapy including an overview of therapy treatments in different health care settings and pertinent legal and ethical considerations. Students will participate in clinical observation.

PTA 1500 – Practice Issues for the PTA **2 cr**
Prereq: PTA 1010. The role of the PTA in various health care settings will be addressed as well as the organization of health care and its methods of delivery, and basic research principles.

PTA 2010 – Functional Anatomy **3 cr**
Prereq: PTA 1500 and acceptance into technical program. Students will explore neuro-musculo-skeletal anatomy in depth and relate to functional activity. Topics include neuroanatomy structure and function of the musculo-skeletal system, and components of human motion.

PTA 2015 – Functional Anatomy Lab **1 cr**
Prereq: PTA 1500 and admission into technical curriculum. Students will palpate musculoskeletal anatomy in depth and relate it to data collection and functional activity.

PTA 2100 – Patient Care Skills **2 cr**
Prereq: Admission into technical portion of program. Students learn the application of patient care skills, body mechanics, principles and use of mobility devices, and medical documentation.

PTA 2110 – Patient Care Skills Lab **1 cr**
Prereq: Admission into the core curriculum of program. Students practice patient care skills, body mechanics, transfers, use of mobility devices and medical documentation.

PTA 2200 – Therapeutic Modalities **2 cr**
Prereq: Admission into technical portion of program. Students learn the theory of therapeutic modalities using heat, cold, radiation, and electricity.

PTA 2210 – Therapeutic Modalities Lab **2 cr**
Prereq: Admission into technical portion of program. Students practice applications of therapeutic modalities using heat, cold, radiation, sound, and electricity.

PTA 2300 – Principles of Therapeutic Exercise **2 cr**
Prereq: Admission into technical portion of program. Students learn the principles and techniques of therapeutic exercise including use of specialized equipment.

PTA 2310 – Therapeutic Exercise Lab **2 cr**
Prereq: Admission into the core curriculum of the program. Students practice techniques of therapeutic exercise, including use of specialized equipment.

PTA 2350 – Data Collection for the PTA **2 cr**
Prereq: Completion of prior semester courses per established curriculum plan. Students develop competency in data collection skills including manual muscle testing, range of motion assessment, evaluation of posture and gait, balance assessment, and selected special tests.

PTA 2360 – Data Collection for PTA Lab **2 cr**
Prereq: Completion of prior semester courses per established curriculum plan. Students learn how to implement data collection skills including manual muscle testing, range of motion assessment, evaluation of posture and gait, balance assessment, and selected special tests.

PTA 2400 – Musculoskeletal Disorders **3 cr**
Prereq: Completion of prior semester courses per established curriculum plan. Students are introduced to musculoskeletal pathology and the development/implementation of clinical treatment plans for these disorders.

PTA 2410 – Musculoskeletal Disorders Lab **1 cr**
Prereq: Completion of prior semester courses per established curriculum plan. Students develop treatment skills for post-surgical, orthopedic, industrial and amputation clients.

PTA 2450 – Neurological Disorders **2 cr**
Prereq: PTA 2010 and PTA 2300. Students will learn principles and components of physical therapy procedures for the neurological patient.

PTA 2460 – Neurological Disorders Lab **2 cr**
Prereq: Completion of prior semester courses per established curriculum plan. Students implement physical therapy techniques and design treatments for selected neurological disorders.

PTA 2510 – PT for Specific Clientele **3 cr**
Prereq: Completion of prior semester courses per established curriculum plan. Students learn principles and components of physical therapy interventions in the acute care and workplace settings and for women's and men's conditions, cardiovascular, pulmonary and pediatric disorders.

PTA 2520 – PT for Specific Clientele Lab **1 cr**
Prereq: Completion of prior semester courses per established curriculum plan. Students implement principles and components of physical therapy interventions in the acute care and workplace settings and for women's and men's conditions, cardiovascular, pulmonary and pediatric disorders.

PTA 2530 – Gerontology **2 cr**
Prereq: PTA 2300 and PTA 2360. Students will learn the sociological, psychological, and physical facets of the aging process. Selected treatment approaches unique to an aging population will be presented and discussed.

PTA 2550 – Rehabilitation Psychology **2 cr**
Prereq: PTA 2300, PTA 2400. Students will learn the psychological aspects of the rehabilitation process. Topics include health locus of control, learned helplessness, self-efficiency and the biopsychosocial model of treatment.

PTA 2600 – Clinical Experience I **4 cr**
Prereq: PTA 2100, PTA 2200 and PTA 2300. Students will participate in supervised clinical experience in physical therapy department affiliated with the College.

PTA 2700 – Clinical Internship I **6 cr**
Prereq: Completion of prior semester courses per established curriculum plan. Students will complete an internship including practical Performance and application of physical therapy procedures and techniques under supervision in selected physical therapy clinical settings.

PTA 2710 – Clinical Internship II **6 cr**
Prereq: PTA 2700. Students will complete a culminating internship demonstrating practical performance and application of physical therapy procedures and techniques under supervision in selected physical therapy clinical settings.

PTA 2750 – Seminar for the PTA **1 cr**
Prereq: Completion of prior semester courses per established curriculum plan. Students will integrate principles of academic learning with clinical practice and presentation of current trends and issues in PT, along with professional journal reviews, and development of employment skills.

PTA 2850 – Special Topics for PTAs **2 cr**
Prereq: Instructor approval. This is a special studies course to prepare students for the national licensing examination.

PTA 2950 – Sports Physical Therapy **2 cr**
Prereq: Acceptance into technical portion of program. Students learn principles of injury prevention and therapeutic rehabilitation applied to the practice of sport and competitive physical activity.

PTA 2960 – PT and OT in the Work Place **2 cr**
Prereq: Acceptance into program. Students learn principles of work hardening, work conditioning, industrial rehabilitation as well as work place safety, injury, prevention ergonomics, and the ADA.

RADS 1010 – Introduction to Radiologic Technology **2 cr**
Exploration into the field of radiography and its role in health care delivery. Fundamental radiography concepts covered include radiation protection, medical terminology, ethics and professional development and hospital operations.

RADS 1020 – Radiographic Anatomy & Procedures I **4 cr**
Prereq: Admission to the program. This course covers anatomy and radiographic procedures. The upper extremity, chest and abdomen are included. The shoulder girdle and lower extremity are also covered. Builds skill to help obtain radiographs in those units.

RADS 1030 – Radiographic Imaging I **2 cr**
Prereq: Admission to the program. Atomic structure, imaging equipment, grids, beam restriction, film screens, and processing. Properties of x-rays and radiographic quality to include density, contrast, detail and distortion.

RADS 1040 – Clinical Education I **4 cr**
Prereq: Admission to the program. Students attend a clinical setting 24 hours each week. Initial skills required of a radiographer are established. Patient care, upper limb, chest and abdomen and shoulder girdle covered. Activities are guided by a competency-based system.

RADS 1050 – Patient Care **2 cr**
Prereq: Admission to the program. Covers the role of a radiographer as patient care provider. Topics include; standard precautions, immobilization, lifting, emergencies, vital signs, oxygen and suction, asepsis and infection control, history taking, communication and patient education.

RADS 1110 – Radiation Protection **2 cr**
Prereq: RADS 1030. Radiation protection concepts to include biological effects on living systems, radiation units, interactions with matter and radiation exposure limits. Radiation practices and standards for patients and personnel.

RADS 1120 – Radiographic Anatomy & Procedures II **4 cr**
Prereq: RADS 1020. This course covers anatomy and procedures of: the spine, pediatrics, thorax, skull, sinuses and facial osteoporosis.

RADS 1130 – Radiographic Imaging II **4 cr**
Prereq: RADS 1030. Principles of x-ray image creation to include controlling scatter, grids, exposure factors and technique conversion. Concepts related to production of x-rays, radiographic tube, x-ray beam emission and circuitry system.

RADS 1140 – Clinical Education II **4 cr**
Prereq: RADS 1040. Students attend a clinical setting 24 hours each week. They continue to expand their patient care skills. Emphasis is on performing procedures independently. Activities are guided by a competency-based system.

RADS 1220 – Radiographic Anatomy & Procedures III **2 cr**
Prereq: RADS 1120. This course covers anatomy and procedures of the gastro-intestinal and genito-urinary systems.

RADS 1240 – Clinical Education III **3 cr**
Prereq: RADS 1140. Students attend a clinical setting 24 hours each week. They continue to broaden their clinical skills. Emphasis is on increased accuracy and confidence. Activities are guided by a competency-based system.

RADS 2010 – Image Analysis **2 cr**
Prereq: RADS 1220. An advanced course that requires students to analyze all technical aspects of radiographic image production and use problem-solving skills to determine proper corrections required for unacceptable radiographs.

RADS 2020 – Radiographic Anatomy & Procedures IV **2 cr**
Prereq: RADS 1220. Procedures of an advanced and specialized nature covered. Includes mobile, trauma and operating room radiography. Circulatory system anatomy and procedures also covered.

RADS 2030 – Radiographic Imaging III **2 cr**
Prereq: RADS 1130. Imaging principles related to mobile, fluoroscopic, digital, tomography and electronic imaging. Quality assurance and quality management practices. Advanced imaging modalities: CT MRT, Sonography, therapy, nuclear medicine and CIT.

RADS 2040 – Clinical Education IV **4 cr**
Prereq: RADS 1240. Students attend a clinical setting 24 hours each week. Emphasis is on increased problem-solving skills. Also emphasized is accurate exposure factor selection. Activities are guided by a competency-based system.

RADS 2050 – Advanced Patient Care **2 cr**
Prereq: RADS 1050. Covers advanced skills required while caring for a patient. Topics include ethics and law, contrast media, pharmacology. Also includes venipuncture and care for age-specific patient.

RADS 2060 – Radiobiology **2 cr**
Prereq: Completion of prior semester courses per curriculum plan. Interactions of radiation with living systems. Radiation effects on molecules and organisms. Factors affecting biological response. Initial and long-term effects of radiation exposure.

RADS 2100 – Comprehensive Radiology **3 cr**
Prereq: RADS 2030. Students will review all past program courses to prepare them to take and pass the ARRT certification examination in Radiography.

RADS 2110 – Radiographic Pathology **2 cr**
Prereq: RADS 2050. Students will learn signs and symptoms of diseases. Students also will be able to identify diseases on radiographs and discuss how diseases impact the performance of radiologic exams with respect to technical factors and patient care.

RADS 2120 – Sectional Anatomy **2 cr**
Prereq: Completion of prior semester courses per established curriculum plan. Covers understanding and identification of abdomen, pelvis, heart, neck, and chest anatomy as seen on sagittal, coronal, axial and other images using the modalities of CT and MRI. Basic usage and knowledge of CT instrumentation and function will also be introduced.

RADS 2140 – Clinical Education V **4 cr**
Prereq: RADS 2040. Students attend a clinical setting 24 hours a week. Emphasis on performing with accuracy and efficiency. Students gain entry level skills required for work force. Activities are guided by a competency-based system.

RDG 0900 – Developmental Reading **5 cr**
Prereq: ESL 1010 AND ESL 1020, both w/C grade or better OR Accuplacer reading score between 40-57. Designed to help students develop confidence in their reading abilities. Enables students to discover basics of reading process through critical thinking, reading, writing, and speaking.

RDG 0990 – Advanced Reading **3 cr**
Prereq: RDG 0900 w/C grade or better, or appropriate Accuplacer score. Whole language format that develops critical thinking and comprehension skills. Prepares students to become full participants in courses requiring college-level reading.

RFA 1250 – Refrigeration Basic Electrical **2 cr**
Basic principles and applications of electricity common to HVACR service technicians including troubleshooting and repair techniques.

RFA 2300 – Electrical Controls **2 cr**
This course covers equipment, tools, and codes associated with electrical components of refrigeration.

RFA 2310 – Steam Systems **2 cr**
Prereq: Instructor approval. Electric pumps and steam systems and refrigeration will be covered.

RFA 2350 – Refrigeration I **2 cr**
History of pipe trades, care and use of tools, basic instruction in steam fitter/pipefitter, math rigging, signaling, blueprint reading and interpretation will be covered.

RFA 2400 – Air Conditioning I **2 cr**
This course introduces refrigerant principles and the basics of air-conditioning.

RFA 2410 – Troubleshooting **2 cr**
Prereq: Instructor approval. Students will learn pipe drafting, hydronic systems two and air-conditioning.

RFA 2450 – Chillers **2 cr**
Theory and practical application of chillers including components, pumps, safety, and inspection.

RFA 2500 – Shop Projects **2 cr**
This course allows students to complete hands-on projects in a supervised shop environment.

RFA 2510 – Evaporators, Compressors, Cond **2 cr**
Prereq: Approval Electric controls, introduction to industrial pipe fitting and power piping and introduction to start, test and balance will be taught.

RFA 2520 – Refrigerant Controls **2 cr**
Prereq: Instructor approval. Start, test and balance, instrumentation and process controls, builders' level and transit study will be examined. .

RFA 2530 – Start, Test and Balance I **2 cr**
The study of procedures for new or repaired equipment start-up, testing of all equipment phases, and balancing a system for proper performance.

RFA 2540 – Start, Test and Balance II **2 cr**
Instruction in the physical preparation and start up of a new system including testing and balancing of all phases of the equipment performance.

RFA 2560 – Instrumentation, Process Control **2 cr**
Theory and hands on application of control and measurement instruments and process control including computer oriented control systems.

RFA 2570 – Pneumatic Controls **2 cr**
Theory and hands on application study of pneumatic controls, materials for installation, trouble-shooting, and repair.

RFA 2580 – Air Conditioning II **2 cr**
Advanced theory and hands on application of air conditioning principles, air handling equipment, installation, repair, and trouble-shooting.

RFA 2590 – Refrigeration II **2 cr**
Advanced theory and hands on application of refrigeration principles, equipment, installation, repair, troubleshooting and advanced specialty equipment needs and requirements.

RFA 2600 – Advanced Electricity/Electronics **2 cr**
Advanced study of electrical principles and applications to refrigeration systems and electronic controls including installation, repair, and trouble-shooting.

RFA 2610 – Test Prep-Refrigeration **2 cr**
This course is to assist the Apprentice in preparation for Journeyman exam. It is a hands-on practical application course of materials and equipment used in the trade.

RUS 1010 – Beginning Russian I **5 cr**
First in a series of four courses which focus on listening, speaking, reading, writing and culture. Major objective of the first year is to develop functional language ability in the Russian culture. Lab attendance is required.

RUS 1020 – Beginning Russian II (LN) **5 cr**
Prereq: RUS 1010 or instructor approval. Second in a series of four courses which focus on listening, speaking, reading, writing and culture. Major objective of the first year is to develop functional language ability in the Russian culture. Lab attendance is required.

RUS 1300 – Beginning Conversation **1 cr**
Prereq: RUS 1010 or instructor approval. Course practices currently held conversation skills to increase speaking ability and vocabulary. Includes role-plays, small group work and presentations. Lab attendance may be required. May be repeated for credit.

RUS 1900 – Special Studies in Russian **1 - 3 cr**
Prereq: Instructor approval. In this course in language and culture, students plan areas of study, Service Learning or travel and work with an instructor on an individual basis. Some work may be done in groups. Lab may be required. May be repeated for credit.

RUS 2010 – Intermediate Russian I **4 cr**
Prereq: RUS 1020 or instructor approval. Second-year Russian courses increase functional language ability focusing on listening, speaking, reading, writing as well as increased focus on culture (philosophies, history, geography, literature, etc.) Lab attendance is required.

RUS 2020 – Intermediate Russian II **4 cr**
Prereq: RUS 2010 or instructor approval. Second-year Russian courses increase functional language ability focusing on listening, speaking, reading, writing as well as increased focus on culture (philosophies, history, geography, literature, etc.) Lab attendance is required.

RUS 2300 – Conversation **1 cr**
Prereq: RUS 1020 or instructor approval. Course practices currently held conversation skills to increase speaking ability and vocabulary. Includes role-plays, small group activities and presentations. Lab attendance required. May be repeated for credit.

RUS 2700 – Introduction to Russian Literature **3 cr**
Prereq: RUS 2010 or RUS 2020. Second year courses focus on improvement of listening, speaking, reading, writing and culture skills. Major objective is to increase functional language ability through holistic approach to literature. Lab attendance required.

RUS 2710 – Introduction to Russian Film **3 cr**
Prereq: RUS 1020 or instructor approval. Course will aid students in their study of language and culture. Films will be viewed with subtitles and written work and discussions will be in Russian. Lab attendance required.

RUS 2900 – Special Topics in Russian **1 - 3 cr**
This is a course designed by faculty which allows students to explore specific interests in Russian language and culture. Lab attendance required. May be repeated for credit.

SAM 1010 – Beginning Samoan I **5 cr**
First in a series of four courses which focus on listening, speaking, reading, writing and culture. Major objective of the first year is to develop functional language ability in the Samoan culture. Lab attendance is required.

SAM 1020 – Beginning Samoan II (LN) **5 cr**
Prereq: SAM 1010 or instructor approval. Second in a series of four courses which focus on listening, speaking, reading, writing and culture. Major objective of the first year is to develop functional language ability in the Samoan culture. Lab attendance is required.

SAM 1300 – Beginning Conversation **1 cr**
Prereq: SAM 1010 or instructor approval. Beginning Samoan Conversation is intended to practice previously-acquired conversation skills to increase speaking ability and vocabulary. Attendance in lab is required. Course may be repeated for credit.

SAM 1900 – Special Studies in Samoan **1 - 2 cr**
Prereq: Instructor approval. Students plan areas of study, Service Learning or travel and work with the instructor on an individual basis. Topics may be in language or culture. Lab may be required. May be repeated for credit.

SAM 2300 – Intermediate Conversation **1 cr**
Prereq: SAM 1020 or instructor approval. Intermediate Samoan Conversation is intended to practice previously-acquired conversation skills to increase speaking ability and vocabulary. Attendance in lab is required. Course may be repeated for credit.

SHA 1110 – Stagehands 1 A **5 cr**
This course provides the basic foundation for stagecraft with the basics of stage and scenic carpentry, electrical theory and stage electrics, properties, and on-the-job protocols.

SHA 1120 – Stagehands 1 B **5 cr**
Theatre history, stagecraft responsibilities and proper handling and storage of set pieces, and wardrobe.

SHA 1210 – Stagehands II A **5 cr**
Theory and practical application including lamps and cables, Trade Shows set-up and maintenance. Also costume dressing and management.

SHA 1220 – Stagehands II B **5 cr**
Theory and hands-on application for sound, lighting boards, forklift operation and certification, and construction and repair of stock scenery pieces.

SHA 2000 – Stagehands CO-OP **2 - 4 cr**
College credit for experience on the job site. Arranged in advance. Requirements are determined by the employer.

SHA 2310 – Stagehands III A **5 cr**
Theory and practical hands-on application of stage carpentry and electrical, and instruction in Trade Show Electrical.

SHA 2320 – Stagehands III B **5 cr**
High lift and trade show rigging, audio-visual equipment and software, and an introduction to work within the film and movie industry.

SOC 1010 – Introduction to Sociology (SS) **3 cr**
The nature and scope of sociology, including systematic treatment of group life, social institutions, social problems, social change and social control.

SOC 1020 – Social Problems (ID) **3 cr**
Social, political and economic aspects of specific problems in modern societies including famine, population, ecological disasters, war and terrorism, poverty, race/ethnic and gender inequality, family, crime, health and illness.

SOC 1900 – Independent Studies **1 - 3 cr**
Prereq: SOC 1010. Under the instructor's supervision, students develop and follow an individualized curriculum.

SOC 2370 – Gender & U.S. Society (SS, DV) **3 cr**
Prereq: SOC 1010 or PSY 1010. Social construction of gender; social institutions and gender inequalities; connections and disconnects between biological sex and gender; theories of gender socialization; impact of gender on problems in relationships and communication.

SOC 2400 – IntermountainWest & People(ID) **3 cr**
A basic study of the region known as the Intermountain West, its land and its people. It is a holistic approach including its geography, history, culture, and social institutions.

SOC 2600 – Marriage and Family **3 cr**
Prereq: SOC 1010. This class examines the nature of marriage and family as an institution in society. Emphasis placed on the effects of modern social structures and cultural values on interpersonal relationships and family life.

SOC 2630 – Race and Ethnicity (SS, DV) **3 cr**
Prereq: SOC 1010. Role of ethnic and racial minorities in the United States and the processes which arise when groups of people who differ come into contact with each other will be studied.

SOC 2680 – Sociology of Aging **3 cr**
Prereq: SOC 1010. This class introduces problems concerning the social role of the aged in industrial societies and the general field of aging. Biological, psychological, and sociological aspects of aging will be emphasized.

SOC 2900 – Special Topics **1 - 3 cr**
Prereq: SOC 1010. This is a course designed by faculty which allows students to explore specific interests in areas of sociology in a classroom setting.

SPN 1010 – Beginning Spanish I **5 cr**
First in a series of four courses which focus on listening, speaking, reading, writing and culture. Major objective of the first year is to develop functional language ability in the Spanish culture. Lab attendance is required.

SPN 1020 – Beginning Spanish II (LN) **5 cr**
Prereq: SPN 1010 or instructor approval. Second in a series of four courses which focus on listening, speaking, reading, writing and culture. Major objective of the first year is to develop functional language ability in the Hispanic culture. Lab attendance is required.

SPN 1300 – Beginning Conversation **1 cr**
Prereq: SPN 1010 or instructor approval. Course practices currently held conversation skills to increase speaking ability and vocabulary. Includes role-plays, small group work and presentations. Lab attendance may be required. May be repeated for credit.

SPN 1900 – Special Studies in Spanish **1 - 2 cr**
Prereq: Instructor approval. In this course in language and culture, students plan areas of study, Service Learning or travel and work with an instructor on an individual basis. Some work may be done in groups. Lab may be required. May be repeated for credit.

SPN 2010 – Intermediate Spanish I **4 cr**
Prereq: SPN 1020 or instructor approval. Second-year Spanish courses increase functional language ability focusing on listening, speaking, reading, writing as well as increased focus on culture (philosophies, history, geography, literature, etc.) Lab attendance is required.

SPN 2020 – Intermediate Spanish II **4 cr**
Prereq: SPN 2010 or instructor approval. Second-year Spanish courses increase functional language ability focusing on listening, speaking, reading, writing as well as increased focus on culture (philosophies, history, geography, literature, etc.) Lab attendance is required.

SPN 2040 – Intermediate Heritage Spanish **4 cr**
Prereq: For Spanish heritage speakers; raised in a home where Spanish is spoken; must be bilingual to some degree. instructor approval. Students increase knowledge of Hispanic cultures; listening, speaking, reading, writing and exploring a global understanding of Hispanic issues and challenges. Lab attendance is required.

SPN 2050 – Intermediate Heritage Spanish **4 cr**
Prereq: For Spanish heritage speakers; raised in a home where Spanish is spoken; must be bilingual to some degree; Instructor approval. Students increase knowledge of Hispanic cultures; listening, speaking, reading, writing and exploring a global understanding of Hispanic issues and challenges. Lab attendance is required.

SPN 2300 – Conversation **1 cr**
Prereq: SPN 1020 or instructor approval. Course practices currently held conversation skills to increase speaking ability and vocabulary. Includes role-plays, small group activities and presentations. Lab attendance required. May be repeated for credit.

SPN 2700 – Introduction to Spanish Literature **3 cr**
Prereq: SPN 1020 or SPN 2020. Second year courses focus on improvement of listening, speaking, reading, writing and culture skills. Major objective is to increase functional language ability through holistic approach to literature. Lab attendance required.

SPN 2710 – Introduction to Spanish Film **3 cr**
Prereq: SPN 1020 or instructor approval. Course will aid students in their study of language and culture. Films will be viewed with subtitles and written work and discussions will be in Spanish. Lab attendance required.

SPN 2900 – Special Topics in Spanish **1 - 3 cr**
This is a course designed by faculty which allows students to explore specific interests in Spanish language and culture. Lab attendance required. May be repeated for credit.

SUBE 1110 – Substation Apprentice 1A **5 cr**
This course is for substation apprentices. Students will learn about basic electricity, electrical safety, tool use, Ohm's Law and series circuits. The course also covers parallel, combination and DC fundamentals.

SUBE 1120 – Substation Apprentice 1B **5 cr**
Prereq: SUBE 1110 or Departmental Approval. Substation apprentices will learn about reading electrical symbol diagrams; substations and switchyards; safety in transmission and distribution maintenance; trigonometry for AC electricity; induction and transformers; and TandD systems.

SUBE 1210 – Substation Apprentice 2A **5 cr**
Prereq: SUBE 1120 or Departmental Approval. Substation apprentices will learn about safety in substations and switchyards; electromagnetic induction; high voltage AC power; transformers; reading electrical system diagrams; and use of electrical test and line test equipment.

SUBE 1220 – Substation Apprentice 2B **5 cr**
Prereq: SUBE 1210 or Departmental Approval. Substation apprentices will learn about distribution line safety; material handling bucket trucks; power transformer insulation resistor testing, turns ration testing, oil tests pressure relay testing and new inspection tests.

SUBE 2310 – Substation Apprentice 3A **5 cr**
Prereq: SUBE 1220 or Departmental Approval. Substation apprentices will learn about safety in substations and switchyards; circuit breakers; contact resistance testing; circuit breaker inspections, time travel and analysis; hydraulic derricks; digging equipment; rigging.

SUBE 2320 – Substation Apprentice 3B **5 cr**
Prereq: SUBE 2310 or Departmental Approval. Substation apprentices will learn about bucket truck safety; capacitors and reactors; voltage regulators; relays 1 and 2; control equipment; high voltage terminations; and substation battery, chargers, replacement and testing.

SUBE 2410 – Substation Apprentice 4A **5 cr**
Prereq: SUBE 2320 or Departmental Approval. Substation apprentices will learn about SF6 gas properties and handling; current transformer testing; vacuum bottle hi-pot testing; inferred conditioning monitoring; corona discharge testing; and multi-meter operation and use.

SUBE 2420 – Substation Apprentice 4B **5 cr**
Prereq: SUBE 2410 or Departmental Approval. Substation apprentices will learn about safety in transmission and distribution maintenance; use of electrical test equipment; distribution line safety; power transformer turns ratio testing and temperature indicating testing.

SURG 1200 – Introduction to Surgical Technology **6 cr**
Prereq: Admission into program. Fundamentals course in Surgical Technology.

SURG 1250 – Advanced Surgical Theory **6 cr**
Prereq: SURG 1200 and BIOL 2320/2325. Course introduces student to more advanced surgical practices, such as circulating duties, equipment and surgical procedures.

SURG 1500 – Surgical Procedures 1 **1 cr**
Prereq: SURG 1250. Coreq: SURG 1510. Course introduces student to more advanced surgical practices and surgical procedures.

SURG 1510 – Surgical Practicum 1 **5 cr**
Prereq: SURG 1250. Coreq: SURG 1500. A cooperative education work experience in a clinical health facility under the direct supervision of the personnel in the facility. Student expected to meet objectives.

SURG 1600 – Comprehensive Surgical Technology **1 cr**
Prereq: SURG 1400 and SURG 1410. Coreq: SURG 1610. A review of Surgical Technology knowledge learned throughout the program to prepare students to pass the Program Assessment exam, and the NBSTSA exam.

SURG 1610 – Surgical Practicum 2 **5 cr**
Prereq: SURG 1400 and SURG 1410. Coreq: SURG 1600. Course is a co-op work experience in a clinical health facility under direct supervision of personnel in facility. Student is expected to meet certain objectives.

SVT 1010 – Introduction to Surveying **1 cr**
Covers a historical tour of surveying from its beginnings to the present. The course will emphasize mathematical and technological progress as well as the role of surveyors in the beginning of America.

SVT 1030 – Surveying Field Techniques I **3 cr**
Prereq: SVT 1110 or MATH 1060. This course provides hands-on experience with survey equipment. Horizontal traverses, levels, distance measuring techniques and devices, including how to take field notes are explored.

SVT 1110 – Surveying Math I (QS) **4 cr**
Prereq: MATH 1060 or appropriate placement score. Considers survey applications of algebra, trigonometry and analytic geometry. Includes bearing systems, elevations, traverse, adjustments and measurements corrections, horizontal/vertical curves, areas and volumes, partitioning of land.

SVT 1120 – Surveying Math II **4 cr**
Prereq: SVT 1110. Encompasses survey applications of astronomical observations, state plane coordinate systems, error analysis, restoration of lost corners, least square adjustment, horizontal control networks.

SVT 2000 – Surveying CO-OP Education **1 - 3 cr**
Prereq: Sophomore standing, minimum 2.0 GPA, and study related employment. Supervised work experience in a business, industrial or government environment related to the program major. Credit is awarded for successful completion of specific objectives that provide new learning in the job and program.

SVT 2020 – Public Land Surveying **3 cr**
Prereq: SVT 1030 and SVT 1120. Covers a detailed study of land systems, including general and special instructions, lost and obliterated corners, single and double proportion, monumentation, riparian boundaries laps, hiatuses mineral surveys and official survey documents.

SVT 2030 – Surveying Field Techniques II **3 cr**
Prereq: SVT 1030. Field experience in construction surveying and staking, encompassing GPS fundamentals, radial surveying, robotics, total stations, data collection methods, coordinate creation/adjustment, public lands/state plane coordinate systems, etc.

SVT 2040 – Control Surveys **3 cr**
Prereq: SVT 1120. Accuracy levels and field procedures used to obtain them are explored. Calculation techniques for control networks, triangulations, trilateralation and traverse use are dealt with at length. G.P.S. will be emphasized.

SVT 2050 – Legal Descriptions **3 cr**
Prereq: ENGL 2100, SVT 1120, SVT 2020 or all concurrently. This course is about writing and understanding survey legal descriptions. Latent and patent ambiguities, basis of bearing and interpretation of terms are integrated into the course.

SVT 2060 – Ethics and Liability **2 cr**
This is a course study of professional practice(s) with emphasis on survey liability cases.

SVT 2100 – Land Development **3 cr**
Prereq: SVT 1110. Land planning techniques used in residential and commercial developments are discussed. Subdivision, condominiums, cluster housing, industrial parks and commercial complexes are studied and approval procedures are explained.

SVT 2110 – Photogrammetry **3 cr**
Prereq: SVT 1110. This course is an in-depth study of photo identification, stereographic interpretation, geometry and measurements from aerial photography.

SVT 2160 – Land Boundary Law I **2 cr**
The study of responsibilities of the land boundary surveyor, in protecting rights and interest of the land. Ownership and transfer of real property, systems for land descriptions, statute law, common law and presumptions are discussed.

SVT 2170 – Land Boundary Law II **2 cr**
Recommended Prereq: SVT 2160. Course studies researching of common law, location of sequential conveyances, location of simultaneous conveyances and unwritten transfers.

SVT 2200 – Public Records **2 cr**
Prereq: SVT 2160, SVT 2170 and SVT 2050 or all concurrently. Students will study public records relating to land and its governing laws. This course requires tours of local record systems and law libraries. Extensive research and how to access and use the various systems will be explored.

SVT 2290 – Applied Surveying Drafting **3 cr**
Prereq: EDDT 2190 and SVT 1030. This course is to develop a working knowledge of CAD as it relates to the profession of land surveying. Designing and drafting plats, utility master plans, digital terrain models, plan and profile sheets, and layouts from legal descriptions will be covered.

SVT 2990 – Special Topics **1 - 3 cr**
Prereq: Instructor approval. This course is designed so the students can work on special individualized projects under the supervision of the instructor.

SW 1010 – Introduction to Social Work **3 cr**
This is an introduction to the multi-skilled, multidisciplinary role of the social worker within the community.

SW 1900 – Independent Studies **1 - 2 cr**
Prereq: SW 1010. Under the instructor's supervision, students will develop and follow an individualized curriculum.

SW 2100 – Human Behavior in Social Environment **3 cr**
This course will introduce students to the dynamics of human behavior in the social environment focusing on the interrelatedness of the biological, psychological and social dimensions of human behavior.

SW 2230 – Introduction to Group Therapy Process **2 cr**
Prereq: SW 2720. This is an applied workshop-styled experience where students will experience group dynamics through the classroom process.

SW 2280 – Drugs and Alcohol Abuse **2 cr**
Prereq: SW 1010 and 2100. Drugs and alcohol abuse wand its effect on individuals, as well as intervention variables from a social work perspective will be studied.

SW 2650 – Social Welfare Policy **3 cr**
Students will examine the development of social welfare policies and programs in the United States as well as legislation that sanctions social services programs.

SW 2720 – Mental Health **2 cr**
Prereq: SW 1010. This course examines society's attempts in understanding and treating mental illness.

SW 2750 – Ethics for Social Work Professionals **2 cr**
Prereq: SW 2720. Course examination of complex ethical aspects faced by social workers in professional practice. Useful techniques and tools will be introduced to develop ethically appropriate professional behavior.

SW 2900 – Special Topics **1 - 3 cr**
This is a course designed by faculty which allows students to explore specific interests in social work in a classroom setting.

SW 2940 – Social Work Internship **5 cr**
Prereq: SW 2750. This course is offered to social work students at the culmination of their coursework in social work. It is a supervised work experience in a social work setting in a community agency.

TECH 1010 – Technology and the Future (ID) **3 cr**
Course looks at the past, present and future of technology and its impact on society and the individual. Through discussions, videos, demonstrations, and opportunities to create or evaluate new inventions, you will explore the future of your life and work.

TECH 1030 – Complex Devices Simplified (IN) **3 cr**
Focuses on exploring and learning about common systems that may be encountered in today's world, particularly in high-tech devices, and how to apply this knowledge to understanding / troubleshooting complex devices.

THEA 1013 – Survey of Theatre (FA) **3 cr**
Survey of Western theatre from ritual to contemporary theatre. Students explore the role of theater from a Western perspective in the development of modern thought, culture, politics and society.

THEA 1023 – Introduction to Film (FA) **4 cr**
Introduces students with no previous film training to historical, technical, and aesthetic developments of film within its cultural context. Film genres examined. Some materials presented are R-rated. Also listed as FLM 1023.

THEA 1033 – Acting I-Basic Acting **3 cr**
This provides an introduction to the basic aspects of the acting process. Emphasis is placed on techniques of acting with exercises in improvisation, monologues and duo scenes.

THEA 1070 – Film and Culture (FA, DV) **4 cr**
Course intended to raise diversity awareness through aesthetic, critical, and interdisciplinary examination of our American Cultural Identity through film. Presents film as an art form, as an industry, and ultimately a system of cultural representation and communication.

THEA 1090 – Bridging the Arts (FA) **3 cr**
Course examines the interconnectedness of arts, dance, music and theatre by investigating the artistic elements and common threads within the creative process to develop an informed appreciation for one's own artistic values.

THEA 1160 – Technical Theatre I-Lab **3 cr**
Coreq: THEA 1513. Course provides practical backstage experience with emphasis on stagecraft.

THEA 1170 – Technical Theatre II-Lab **3 cr**
Coreq: THEA 1560. Course provides practical backstage experience with emphasis on lighting and sound.

THEA 1171 – Technical Theatre III-Lab **3 cr**
Coreq: THEA 2513. Course provides practical backstage experience with emphasis on design.

THEA 1190 – Production **3 cr**
Course is designed to involve students as a company in production of one-act plays, reader's theatre and/or a full-length play. Can be repeated for credit.

THEA 1223 – Stage Make-up **3 cr**
The basics of stage makeup including two and three dimensional work with a focus on corrective, aging and period makeup. Includes an introduction to prosthetics and hair.

THEA 1400 – Copyrights For Creative Professionals **1 cr**
This introductory short course focuses on U.S. copyrights given to creative individuals who produce visual, musical, literary works of art or performing arts. The course also covers licensing and trademarking.

THEA 1420 – Sales Promo For Creative Professionals **2 cr**
This introductory short course will introduce basic sales and self-promotional principles and techniques specifically tailored for creative artists.

THEA 1440 – Build Creative Business **2 cr**
This introductory short course will introduce basic business structures and examine the process of setting up a business for creative professionals working in the areas of music, the many forms of visual design, fine art, animation, film and video, and the literary arts.

THEA 1513 – Technical Theatre I-Stagecraft **3 cr**
Coreq: THEA 1160 (required). Introduction to technical theatre , the stage house and theatrical production. Design, construction, painting, lighting, and sound are introduced. No prerequisites.

THEA 1515 – Basic Audio Production **3 cr**
A broad overview of sound, sound systems, recording, and live sound reinforcement providing basic training in the physics of sound and the hardware and systems used to control and record it. No prerequisites.

THEA 1560 – Tech Theatre II-Lighting/Sound **3 cr**
Prereq: THEA 1160 and THEA 1513. Coreq: THEA 1170. This class teaches lighting and sound through design, instrument placement, and operation of control boards.

THEA 1900 – Special Projects in Theatre **1 - 3 cr**
Prereq: Instructor approval. Students will plan their areas of study, performance and/or technical work with full-time instructor on an individual basis.

THEA 2033 – Acting II-Scene Acting **3 cr**
Prereq: THEA 1033 or instructor approval. This is a continuation of THEA 1033. Emphasis will focus on improving stage skills, development of character, play will be the final project.

THEA 2150 – Acting III-Audition **3 cr**
Prereq: THEA 1033 or instructor approval. Introduction to audition techniques for students who have taken basic acting or have a strong performance background. Students prepare three contrasting monologues and a resume, work with cold readings and meet with local talent agencies.

THEA 2200 – Introduction to Film Criticism **4 cr**
Prereq: ENGL 1010 and THEA 1023 or FLM 1050 or THEA/FLM 1070. Film or theatre majors explore in-depth critical aspects of film including aesthetic and technical developments that have influenced film from its inception to present day. Students will view key films. Some R-rated films presented.

THEA 2443 – Musical Theatre Performance **3 cr**
Prereq: THEA 1033 or instructor approval. This course explores artistic elements of musical theatre through performance of its form and style.

THEA 2513 – Technical Theatre III-Design **3 cr**
Prereq: THEA 1160 and THEA 1513. Coreq: THEA 1171. Students will learn advanced design, construction and rigging techniques, drafting elevation and modeling for construction and backstage management.

THEA 2520 – Creative Dramatics **2 cr**
Intro to theories, concepts and methodology of creative drama as an aid to teaching all subjects. Students develop lesson plans and carry them out in a laboratory experience with children. Course may be taught with a Service Learning component.

THEA 2900 – Special Topics **1 - 3 cr**
This is a course designed by faculty which allows students to explore specific areas of interest in theatre in a classroom setting.

THEA 2990 – Performing Arts Connections **2 cr**
Prereq: Department's approval. This is a collaboration of dance, music, theatre and/or art students to create individual works to be performed in the Performing Arts Showcase.

TNG 1010 – Beginning Tongan I **5 cr**
First in a series of four courses which focus on listening, speaking, reading, writing and culture. Major objective of the first year is to develop functional language ability in the Tongan culture. Lab attendance is required.

TNG 1020 – Beginning Tongan II (LN) **5 cr**
Prereq: TNG 1010 or instructor approval. Second in a series of four courses which focus on listening, speaking, reading, writing and culture. Major objective of the first year is to develop functional language ability in the Tongan culture. Lab attendance is required.

TNG 1300 – Beginning Conversation **1 cr**
Prereq: TNG 1010 or instructor approval. Beginning Tongan Conversation is intended to practice previously acquired conversation skills to increase speaking ability and vocabulary. Attendance in lab is required. Course may be repeated for credit.

TNG 1900 – Special Studies in Tongan **1 - 2 cr**
Prereq: Instructor approval. Students plan areas of study, Service Learning or travel and work with the instructor on an individual basis. Topics may be in language or culture. Lab may be required. May be repeated for credit.

TNG 2300 – Intermediate Conversation **1 cr**
Prereq: TNG 1020 or instructor approval. Intermediate Tongan Conversation is intended to practice previously-acquired conversation skills to increase speaking ability and vocabulary. Attendance in lab is required. Course may be repeated for credit.

TRVL 1010 – Introduction to Hospitality & Travel **2 cr**
This course investigates the travel and hospitality industry, addressing theories, planning, and environmental issues. Students will gain a general knowledge of how and why public and private tourism businesses exist.

TRVL 1020 – Travel Destinations **2 cr**
This course overviews the relevancy of geography to tourism and hospitality. Exploration of destinations around the world will expose their individuality and fascination.

TRVL 1030 – Travel Reservations **2 cr**
Students will gain knowledge and skills needed to research, plan and book air travel. Terminology, policies and procedures of airline travel and airline reservations will be discussed.

TRVL 1040 – Automated Air Reservations **2 cr**
Students will practice booking, maintaining, changing and canceling air reservations using RTS, hands-on Computer Reservation System, simulation of Sabre, in conjunction with the online tutorial.

TRVL 1050 – Travel Sales and Trends **2 cr**
Students will study sales techniques including telephone business manners, listening skills and tools for targeting the traveler. Web trends in the industry will also be discussed.

TRVL 1060 – Air Fares U.S. Domestic **2 cr**
This course presents the basics of air fares including terms, codes, fare construction principles and fare application rules necessary to find, interpret and apply the lowest applicable fares for clients.

TRVL 1070 – ARC Documents **1 cr**
Recommended Coreq: TRVL 1040. This is an introductory course to ticketing. Various ticketing types, forms, policies/procedures per Airline Reporting Corporation (ARC), forms of payment, refunds and exchanges will be discussed.

TRVL 1080 – Automated Air Fares & Tickets **2 cr**
Recommended Coreq: TRVL 1040. This course will introduce students to finding the lowest fares for clients utilizing the RTS hands-on Computer Reservation System, simulation of Sabre, in conjunction with the online tutorial.

TRVL 1090 – Ground Transportation **2 cr**
This course will introduce students to the basics of car rental policies/procedures, codes, pricing/distribution, and rail travel including Amtrak, VIA Rail, BritRail/Eurail and train accommodations, services and fare structure.

TRVL 2010 – Hotels and Lodging **1 cr**
This course will cover the fundamentals of the hotel product, rate structure, property and room classifications, codes, published/automated resources and non-automated reservation procedures and the variables that affect prices.

TRVL 2015 – Automated Travel Accommodations **1 cr**
Prereq: TRVL 1040 and TRVL 1080. Students will practice selecting, booking, maintaining, changing and canceling car rental and hotel room reservations using the RTS hands-on Computer Reservation System (CRS), simulation of Sabre in conjunction w/ the online tutorial.

TRVL 2020 – The Cruise Market **2 cr**
This course overviews the basics of cruises including classifications, destinations, types of cruises, and nonautomated reservation procedures. Students will gain knowledge of how to book the right cruise for any client.

TRVL 2030 – Selling Vacation Packages & Tours **2 cr**
This course overviews the basics of tour including; components of tours, tour destinations, types of vacation packages, print and electronic resources, non-automated tour booking procedures and function of tour operator/wholesaler.

TRVL 2040 – Fares & Tickets International **1 cr**
This course introduces students to international air travelers including two basic int'l faring systems, mileage/routing and currency procedures, international fare basis codes, base fares, taxes and surcharges.

VOC 2000 – Cooperative Education **1 - 3 cr**
Work experience for credit. Can be applied toward vocational /technical elective credits in the General Studies Program. Students may earn 1 to 3 credits per semester, and 6 credits total.

WLD 1005 – Related Welding **3 cr**
Students will learn basic principles of the arc and acetylene welding including flat and horizontal welds; brazing and cutting techniques.

WLD 1110 – Fundamentals of Welding **3 cr**
Coreq: WLD 1111. Course covers the theory of shielded metal arc welding, oxy-acetylene welding and cutting. Study of electrode classification and Mastery of Safety procedure.

WLD 1111 – Fundamentals of Welding Lab **7 cr**
Coreq: WLD 1110. Practical lab applications of shield metal arc welding, oxy-acetylene welding and cutting. Study of electrode classification, mastery of safety, rolling bend test.

WLD 1120 – Welding Processes & Quality **3 cr**
Prereq: WLD 1110 and WLD 1111. Coreq: WLD 1121. Study of welding joint design, defects and the properties of metals. Destructive testing, code procedures, plasma arc and air cabin arc cutting, brazing and braze welding. Emphasis on welder qualifications for A. W. S. Certification.

WLD 1121 – Welding Processes & Quality Lab **7 cr**
Prereq: WLD 1110 and WLD 1111 or equiv. Coreq: WLD 1120. Advanced welding, thermal cutting, braze welding, and fabrication. Numerically controlled cutting and an emphasis on A. W. S. Certification preparation.

WLD 1199 – Specialty Training in Welding **1 - 8 cr**
Varied credit and contact hours to train students in industry specific specialty areas as requested by industry.

WLD 1230 – Gas Shield Welding Inspection **3 cr**
Prereq: WLD 1120 and WLD 1121 or equiv. Coreq: WLD 1231. Theory of wire feed weld on ferrous and nonferrous base metals. Theory of welding metallurgy and shielding gas and filler metal. MIG and TIG welding including emphasis on qualification for A. W. S. Certification.

WLD 1231 – Gas Shield Welding Inspection Lab **7 cr**
Prereq: WLD 1120 and WLD 1121 or equiv. Coreq: WLD 1230. Practical hands on lab application of GMAW to include short arc (MIG) and spray arc transfer, GTAW (TIG) on ferrous and nonferrous base metals. Practical maintenance and repair welding application. Emphasis on A. W. S. Certification prep.

WLD 1240 – Flux Core, Pipe Fabrication **3 cr**
Prereq: WLD 1230 and WLD 1231, or equiv. Coreq: WLD 1241. Theory of FCAW (inner shield and dual shield), SAW (submerged arc welding), pipe welding and fitting, layout, and fabrication including blueprint reading and interpretation. Emphasis on A. W. S. prep for Certification.

WLD 1241 – Flux Core, Pipe Fabrication Lab **7 cr**
Prereq: WLD 1230 and WLD 1231 or equiv. Coreq: WLD 1240. Practical Lab application of flux core arc welding (FCAW), submerged arc welding (SAW), pipe welding and layout, fabrication, and pipe welding techniques. Emphasis on A. W. S. Certification prep.

WLD 1260 – Blueprint for Welding **3 cr**
Study of welding, blueprint reading and drawing. Special study of pipe symbols, welding symbols and layout work.

WLD 1299 – Specialty Training - Welding **1 - 8 cr**
Prereq: Instructor approval. Designed to assist students to obtain specialized training specific to industry needs. Is taught on an as needed basis when requested by industry with variable contact and credit hours.

WLDA 1005 – Related Welding **3 cr**
Students will learn basic principles of the arc and acetylene welding including flat and horizontal welds, brazing and cutting techniques.

WLDA 1110 – Fundamentals of Welding **4 cr**
Coreq: WLDA 1111. Course covers the theory of shielded metal arc welding, oxyacetylene welding and cutting. Study of electrode classification and Mastery of Safety Procedure.

WLDA 1111 – Fundamentals of Welding Lab **2 cr**
Coreq: WLDA 1110. Practical lab applications of shielded metal arc welding, oxy-acetylene welding and cutting. Study of electrode classification, mastery of safety, guided bend test.

WLDA 1120 – Welding Processes and Quality **4 cr**
Prereq: WLDA 1110 and WLDA 1111. Coreq: WLDA 1121. Study of welding joint design, defects, and properties of metal. Destructive testing, code procedures, plasma arc and air cabin arc cutting, brazing and braze welding. Emphasis on welder qualification for A. W. S. Certification.

WLDA 1121 – Welding Processes and Quality Lab **2 cr**
Prereq: WLDA 1110 and WLDA 1111. Coreq: WLDA 1120. Advanced welding, thermal cutting, braze welding, and fabrication. Numerically controlled cutting and an emphasis on Certification preparation with the A. W. S.

WLDA 1199 – Specialty Training in Welding **3 - 4 cr**
Varied credit and contract hours to train students in industry specific specialty areas as requested by industry.

WLDA 1230 – Gas Shield Welding Inspection **4 cr**
Prereq: WLDA 1120 and WLDA 1121. Coreq: WLDA 1231. Theory of Wire feed weld on ferrous and nonferrous base metals. Theory of welding metallurgy and shielded gas and filler metal. Mig and Tig welding including emphasis on qualification for A. W. S. Certification.

WLDA 1231 – Gas Shield Welding Inspection Lab **2 cr**
Prereq: WLDA 1120 and WLDA 1121. Coreq: WLDA 1230. Practical hands on lab application of GMAW to include short arc (MIG) and spray arc transfer, GTAW (TIG) on ferrous and nonferrous base metals. Practical maintenance and repair welding application. Emphasis on A. W. S. Certification prep.

WLDA 1240 – Flux Core, Pipe Fabrication **4 cr**
Prereq: WLDA 1230 and WLDA 1231. Coreq: WLDA 1241. Theory of FCAW (inner shield and dual shield), SAW submerged arc welding), pipe welding and fitting, layout, and fabrication including blueprint reading and interpretation. Emphasis on A. W. S. prep for Certification.

WLDA 1241 – Flux Core, Pipe Fabrication Lab **2 cr**
Prereq: WLDA 1230 and WLDA 1231. Coreq: WLDA 1240. Practical Lab application of flux core arc welding (FCAW), submerged arc welding (SAW), pipe welding and layout, fabrication, and pipe welding techniques. Emphasis on A. W. S. Certification preparation.

WLDA 1260 – Blueprint for Welding **3 cr**
Study of welding blueprint reading and drawing. Special study of pipe symbols, welding symbols, and layout work.

WLDA 1299 – Specialty Training - Welding **1 - 7 cr**
Designed to assist students to obtain specialized training specific to industry needs. Is taught on an as-needed basis when credit requested by industry with variable contact and credit hours.

WLDA 2000 – Welding CO-OP **2 - 4 cr**
College credit for experience on the job site. Arranged in advance. Requirements are determined by the employer.

WRTG 0900 – Basic Writing **5 cr**
Prereq: ESL 1010 and ESL 1020, both w/C grade or better, OR appropriate Accuplacer score. Designed for students with little writing experience. Introduces them to the writing process while building confidence and fluency. Students learn writing as a social act intended for different audiences and purposes.

WRTG 0990 – College Preparatory Writing **3 cr**
Prereq: WRTG 0900 w/C grade or better, or appropriate Accuplacer score. Prepares students for college-level writing. Uses discussion, critical thinking, reading and writing to discover ideas and meaning for writer and reader alike.

Sondra Adams, Department Chair 07/01/1990
1990 MS EASTERN WASHINGTON UNIVERSITY
1981 BS UNIVERSITY OF UTAH
Health & Lifetime Activities

Paul Allen, Department Chair 08/16/2002
1995 PHD YALE UNIVERSITY
1991 MA YALE UNIVERSITY
1988 BA SONY AT BUFFALO
Division of Humanities

Robert Askerlund, Assistant Vice President 11/16/1989
2000 BS UNIVERSITY OF PHOENIX
1976 AAS SALT LAKE COMMUNITY COLLEGE
Facilities Office

David Attridge, Director 10/16/10
Institute of Public Safety

Jason Beal, Director 06/01/2011
2004 MBA UNIVERSITY OF PHOENIX
2001 BS BRIGHAM YOUNG UNIVERSITY
1995 AS UTAH VALLEY STATE COLLEGE
Student Center Office

Cynthia Bioteau, President 07/18/2005
2002 PHD LESLEY UNIVERSITY
1976 MA ASSUMPTION COLLEGE
1974 BA UNIVERSITY OF NEW HAMPSHIRE
President's Office

Rick Bouillon, Dean 07/01/1999
1983 MS EASTERN ILLINOIS UNIVERSITY
1981 BS EASTERN ILLINOIS UNIVERSITY
Dean, Technical Specialties

Dennis Bromley, Dean 07/16/2009
Dean, Business

Michael Caldwell, Department Chair 03/01/2004
1998 PHD TEXAS A & M UNIVERSITY
1992 BS UNIVERSITY OF LOUISIANA
Biotechnology

Cathy Carey, Director 08/22/2007
2006 MS UTAH STATE UNIVERSITY
1978 BS UNIVERSITY OF UTAH
Center for Innovation & Professional Development

Norma Carr, Director 07/01/1989
1977 MS UNIVERSITY OF UTAH
1969 BS BRIGHAM YOUNG UNIVERSITY
Athletics

Larry Christensen, Department Chair 08/01/1970
1973 MS BRIGHAM YOUNG UNIVERSITY
1967 BS BRIGHAM YOUNG UNIVERSITY
Psychology

Marlin Clark, Assistant Vice President/Dean 09/01/2005
2005 PHD GONZAGA UNIVERSITY
1978 BS LAVERN UNIVERSITY
1976 AS ALLAN HANCOCK COMMUNITY COLLEGE
Student Life

Kimberly Cosby, Division Chair 07/16/2010
1998 MS UTAH STATE UNIVERSITY
1995 BA BOISE STATE UNIVERSITY
CS, CIS, Marketing & Paralegal

Shane Crabtree, Director 10/19/1992
Public Safety

Susan Curtis, Department Chair 07/01/1988
1998 CERT. UTAH STATE UNIVERSITY
1995 AAS SALT LAKE COMMUNITY COLLEGE
1986 CERT. SALT LAKE COMMUNITY COLLEGE
Barbering and Cosmetology

Randy Cutliff, Director 04/16/2007
Internal Audit

L. Evans, Dean 02/01/2007
1992 MA CLEVELAND STATE UNIVERSITY
2004 PHD UNIVERSITY OF PITTSBURGH
1996 MLIS KENT STATE UNIVERSITY
1995 MA UNIVERSITY OF AKRON
Library Redwood

Andreas Fleckenstein, Division Chair 09/01/2011
Marketing, Management & Culinary Institute

Craig Gardner, Assistant Vice President 08/22/1991
Human Resources

Bryan Griggs, Department Chair 09/26/1994
1989 AAS RICKS COLLEGE
Visual Art & Design

Barbara Grover, Associate Provost 09/27/1993
1991 MS UNIVERSITY OF OREGON
1983 CERT. WESTERN OREGON STATE COLLEGE
1976 BA PRINCETON UNIVERSITY
Institutional Effectiveness

Karen Gunn, Associate Provost/Dean 04/01/1992
1991 MBA WESTMINSTER COLLEGE
1974 BA UTAH STATE UNIVERSITY
Associate Provost & Dean of PED

Loredana Haeger, Dean 11/01/2008
School of Health Science

Douglas Hansen, Controller 11/08/1999
1982 CPA STATE OF UTAH
1979 BA UNIVERSITY OF UTAH
Business Office

Kimberly Henrie, Assistant Vice President 09/22/2008
Budget Office

Deneece Huftalin, Vice President 08/01/1992
2006 PHD UNIVERSITY OF UTAH
1987 MA UNIVERSITY OF CALIFORNIA LOS ANGELES
1984 BS UNIVERSITY OF UTAH
Student Services

Peter Iles, Division Chair 08/16/1999
Natural Sciences

Mary Keleher, Department Chair 08/16/2004
2007 PHD BRIGHAM YOUNG UNIVERSITY
2004 PHD BRIGHAM YOUNG UNIVERSITY
1994 MS OHIO UNIVERSITY
1992 BS FRANKLIN UNIVERSITY
Biology

Dennis Klaus, Vice President 06/01/2006
1981 MBA UNIVERSITY OF MONTANA
1970 BS PENNSYLVANIA STATE UNIVERSITY
Business Services

Sherrie Loewen, Division Chair 05/16/2010
Allied Health

Robert Lurker, Division Chair..... 09/01/2011
Technical Specialties

John McCormick, Dean.....09/16/1988
1973 PHD UNIVERSITY OF IOWA
1968 MS UNIVERSITY OF UTAH
1966 BA UNIVERSITY OF UTAH
Humanities &Social Science

Alison McFarlane, Assistant Vice President 08/16/2007
1981 BA UNIVERSITY OF UTAH
Institutional Marketing

Chad Miller, Director.....07/01/2008
Applied Technology Center

Holly Moore, Department Chair..... 06/17/1991
1981 PHD UNIVERSITY OF UTAH
1976 MS SOUTH DAKOTA MINES & TECH
1973 BS SOUTH DAKOTA MINES & TECH
Engineering

Suzanne Mozdy, Department Chair.....08/16/2003
2001 MS OREGON STATE UNIVERSITY
1989 BS SANTA CLARA UNIVERSITY
Mathematics

Douglas New, Division Chair.....09/21/1994
1985 EDD UTAH STATE UNIVERSITY
1985 MED UNIVERSITY OF UTAH
1981 CERT. BRIGHAM YOUNG UNIVERSITY
1980 BA UNIVERSITY OF UTAH
Developmental Education

Christopher Picard, Provost.....08/30/2010
1985 PHD BROWN UNIVERSITY
1975 MA UNIVERSITY OF MICHIGAN
1974 BA UNIVERSITY OF NEBRASKA
Academic Affairs

Mozelle Prestridge-Orton, Director 01/23/2006
1993 CERT. HARVARD UNIVERSITY MEDIATION TRAINING
1993 MAED UTAH STATE UNIVERSITY
1990 CERT. HARVARD UNIVERSITY
1988 BS UNIVERSITY OF UTAH
Diversity/Risk Administration

Stephen Ruffus, Department Chair..... 09/13/1989
1974 MA COLORADO STATE UNIVERSITY
1972 BA UNIVERSITY OF BUFFALO
English

Susan Salem, Director 01/12/2011
Grants & Contracts

Laurel Sampson, Director 05/01/2010
Dental Hygiene

Nancy Sanchez, Director..... 07/01/1979
Risk Management

Clifton Sanders, Dean 06/10/1993
1990 PHD UNIVERSITY OF UTAH
1977 MA HAMLING UNIVERSITY
Science, Mathematics, & Engineering

Jennifer Saunders, Division Chair 12/16/2003
2004 CFRE COUNCIL FOR RESOURCE DEVELOPMENT
1996 CPM STATE OF UTAH
1995 MED WESTMINSTER
1992 BS UNIVERSITY OF UTAH
Continuing Education

Randy Schouten, Division Chair.....01/26/2004
1969 MBA UNIVERSITY OF UTAH
1968 BS BRIGHAM YOUNG UNIVERSITY
Business & Employer Outreach

Judy Scott, Division Chair 01/03/2011
1998 MSN UNIVERSITY OF NEVADA, LAS VEGAS
1981 BSN UNIVERSITY OF NEVADA, LAS VEGAS
Nursing

Richard Scott, Executive Director 01/01/1997
Grand Theatre

Timothy Sheehan, Vice President..... 07/16/2010
Institutional Advancement VP

Nancy Singer, Assistant Vice President 07/01/2011
2009 PHD UNIVERSITY OF ARIZONA
1979 MA BOWLING GREEN STATE UNIVERSITY
1978 BS MILLIKIN UNIVERSITY
Student Planning & Support

Dale Smith, Department Chair 07/01/1985
1978 MS BRIGHAM YOUNG UNIVERSITY
1976 BS BRIGHAM YOUNG UNIVERSITY
Family & Human Studies

J. Southerland, Director 06/16/2009
Institutional Effectiveness

Anna Szabados, Dean 07/16/2010
2005 EDD FIELDING GRADUATE UNIVERSITY
1990 MA SAN JOSE STATE UNIVERSITY
1980 MS INDUSTRIAL DESIGN
Arts & Communication

Ralph Tasker, Director 04/15/1997
2004 BS UTAH STATE UNIVERSITY
2000 AAS SALT LAKE COMMUNITY COLLEGE
Building Construction

Dana Van Dyke, Director 06/01/1981
Budget Office

Neil Vanderpool, Division Chair.....07/16/2011
1998 MFA UNIVERSITY OF OREGON
1989 BA BRIGHAM YOUNG UNIVERSITY
Arts & Communication

Eric Weber, Assistant Vice President.....11/15/1993
1992 CERT. US DEPARTMENT OF EDUCATION
1979 BA MICHIGAN STATE UNIVERSITY
1975 AS DAVENPORT UNIVERSITY
Student Enrollment' Services

Barbara Willett, Division Chair..... 08/16/2000
1995 MBA WILLIAM CAREY COLLEGE
1989 ME.D UNIVERSITY OF SOUTHERN MISSISSIPPI
1987 BS UNIVERSITY OF SOUTHERN MISSISSIPPI
1983 AAS PEARL RIVER JUNIOR COLLEGE
Accounting, Finance & Economics

William Zoumadakis, Chief Info. & Security Officer . 05/10/1983
2009 MS FLORIDA INSTITUTE OF TECHNOLOGY
1993 BS UTAH STATE UNIVERSITY
1991 AS SALT LAKE COMMUNITY COLLEGE
1982 AAS SALT LAKE COMMUNITY COLLEGE
Information Technology

Dwight Adams, Instructor 01/05/1998
1988 BS WEBER STATE UNIVERSITY
1991 MS UNIVERSITY OF UTAH
Sociology

Robert Adamson, Professor..... 03/29/1994
1993 BFA UNIVERSITY OF UTAH
2007 MFA BRIGHAM YOUNG UNIVERSITY
Visual Art and Design

Francis Afghan, Associate Professor..... 03/29/1993
1981 BS IDAHO STATE UNIVERSITY
1984 BS UNIVERSITY OF UTAH
1987 MS UNIVERSITY OF UTAH
Engineering

Kelly Albers, Instructor..... 01/03/2005
Applied Technology Center

Jeanine Alesch, Associate Professor 08/16/2010
1986 BA BRYN MAWR COLLEGE
1993 MA UNIVERSITY OF PENNSYLVANIA
1996 PhD UNIVERSITY OF PENNSYLVANIA
Language

Jolene Allan, Assistant Professor 01/07/2008
1983 BSN WESTMINSTER COLLEGE
1991 MSN BRIGHAM YOUNG UNIVERSITY
2000 CERT WESTMINSTER COLLEGE
Nursing

David Alldredge, Associate Professor..... 08/16/2008
1993 BS BOISE STATE UNIVERSITY
2006 MBA BOISE STATE UNIVERSITY
Accounting

Brandon Alva, Instructor..... 01/09/2006
2006 BA UNIVERSITY OF UTAH
2009 MFA UNIVERSITY OF ARIZONA
English

Mary Alvarez, Instructor 08/22/2007
2003 BS UNIVERSITY OF UTAH
2007 MS BRIGHAM YOUNG UNIVERSITY
Chemistry

Beverly Anderson, Associate Professor 08/16/1999
1981 ASN BRIGHAM YOUNG UNIVERSITY
1985 BSN BRIGHAM YOUNG UNIVERSITY
1999 MSN UNIVERSITY OF PHOENIX
Nursing

Georgia Anderson, Professor 01/01/1992
1976 BSN WEST TEXAS STATE UNIVERSITY
1990 MSN WEST TEXAS STATE UNIVERSITY
Nursing

Joseph Anderson, Instructor 08/16/2007
1970 BA UNIVERSITY OF UTAH
1974 JD UNIVERSITY OF UTAH
1974 MA UNIVERSITY OF UTAH
Criminal Justice

Anton Andrus, Professor..... 09/01/1982
1963 BA BRIGHAM YOUNG UNIVERSITY
1973 MBA UNIVERSITY OF WASHINGTON
1973 CERT UNIVERSITY OF WASHINGTON
Finance and Credit

Paul Anstall, Associate Professor 01/10/2000
1981 BA COLLEGE OF ST. SCHOLASTICA
1997 AAS SALT LAKE COMMUNITY COLLEGE
2000 CERT WEBER STATE UNIVERSITY
Computer Science

Lyle Archibald, Assistant Professor..... 09/16/1992
1988 BA UTAH STATE UNIVERSITY
1992 MA BRIGHAM YOUNG UNIVERSITY
Fine Arts

Vince Badger, Assistant Professor 09/01/1981
1974 CERT SALT LAKE COMMUNITY COLLEGE
1978 CERT SALT LAKE COMMUNITY COLLEGE
1987 AAS SALT LAKE COMMUNITY COLLEGE
Automotive Technology

Thomas Baggaley, Assistant Professor 08/21/2002
1995 BM BRIGHAM YOUNG UNIVERSITY
2000 MA UNIVERSITY OF CALIFORNIA LA
Fine Arts

Cathy Bagley, Assistant Professor..... 01/03/1996
1998 AAS SALT LAKE COMMUNITY COLLEGE
2007 CERT STATE OF UTAH
2007 CERT STATE OF UTAH
2010 CERT STATE OF UTAH
Barbering and Cosmetology

Brett Baird, Assistant Professor..... 06/01/1989
1991 AAS SALT LAKE COMMUNITY COLLEGE
Automotive Technology

Robert Baird, Associate Professor..... 09/28/1992
1974 BS BRIGHAM YOUNG UNIVERSITY
1980 AS PIKES PEAK COMMUNITY COLLEGE
1991 MA WEBSTER UNIVERSITY
Computer Science

Todd Baird, Instructor 11/12/2007
2010 AAS SALT LAKE COMMUNITY COLLEGE
2010 CERT ROBINSON HELICOPTER TRAINING SCHOOL
Aviation Maintenance

Alena Balmforth, Assistant Professor 09/27/1993
1990 BA UNIVERSITY OF UTAH
Developmental Education

Jennie Barnes, Associate Professor 08/16/2002
1982 ASN WEBER STATE UNIVERSITY
1984 AS COLLEGE OF EASTERN UTAH
1994 BSN WEBER STATE UNIVERSITY
2003 MSN UNIVERSITY OF PHOENIX
Nursing

Jonathan Barnes, Assistant Professor..... 01/10/2005
1999 BS BRIGHAM YOUNG UNIVERSITY
2002 MS BRIGHAM YOUNG UNIVERSITY
Physics

Curtis Barnett, Associate Professor 08/16/2001
2001 AAS SALT LAKE COMMUNITY COLLEGE
2008 BS SOUTHERN UTAH UNIVERSITY
Building Construction

Neil Bastian, Professor..... 09/23/1996
1980 BS BRIGHAM YOUNG UNIVERSITY
1987 PhD MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Chemistry

Jennifer Bauman, Associate Professor..... 06/11/2001
1987 BA UNIVERSITY OF UTAH
1991 MA JOHNS HOPKINS UNIVERSITY
1999 PhD JOHNS HOPKINS UNIVERSITY
Humanities

Tim Beagley, Instructor.....03/01/1990
1987 BS UNIVERSITY OF UTAH
1989 MS UNIVERSITY OF UTAH
1997 PhD UNIVERSITY OF UTAH
Biology

Kathryn Bell, Instructor 01/04/2010
1993 BS MIAMI UNIVERSITY
1997 DVM OHIO STATE UNIVERSITY
2009 MPH UNIVERSITY OF UTAH
Biology

Debra Bertoch, Assistant Professor 12/01/1990
1974 CERT. UTAH TECHNICAL COLLEGE
1995 CERT. VARIOUS
1997 AAS SALT LAKE COMMUNITY COLLEGE
Barbering and Cosmetology

Cyriaque Beurtheret, Associate Professor 08/16/2004
1989 BA UNIVERSITY OF PARIS
1991 MA UNIVERSITY OF PARIS
2001 PhD UNIVERSITY OF PARIS; SORBONNE
History

Lisa Bickmore, Associate Professor 09/16/1992
1979 BA BRIGHAM YOUNG UNIVERSITY
1984 MA BRIGHAM YOUNG UNIVERSITY
English

Jim Bielefeld, Instructor 01/04/1995
2010 BBA STRAYER UNIVERSITY
Culinary Arts

Grace Birch, Assistant Professor.....01/01/1985
1967 CERT BOUNTIFUL COLLEGE OF BEAUTY
1968 CERT CAMEO COLLEGE OF BEAUTY
1994 AAS SALT LAKE COMMUNITY COLLEGE
Barbering and Cosmetology

Christopher Black, Assistant Professor..... 08/21/2002
1973 BS BRIGHAM YOUNG UNIVERSITY
1980 MED BRIGHAM YOUNG UNIVERSITY
Marketing

Clyda Rae Blackburn, Associate Professor..... 09/25/1989
1971 BS UNIVERSITY OF UTAH
1990 MS UTAH STATE UNIVERSITY
English

Spencer Blake, Associate Professor..... 09/22/1997
1993 BS BRIGHAM YOUNG UNIVERSITY
1997 MA REGIS UNIVERSITY
Sociology

James Blevins, Associate Professor 03/01/1992
1987 BS BOISE STATE UNIVERSITY
1991 MS WESTERN WASHINGTON UNIVERSITY
Biology

Therese Boone, Associate Professor 07/07/1982
1979 BFA UNIVERSITY OF UTAH
1991 MS UNIVERSITY OF UTAH
Fine Arts

Jean Bower, Assistant Professor 08/16/2009
2000 BA CARLETON COLLEGE
2007 PhD UNIVERSITY OF UTAH
Biotechnology

H. Bown, Associate Professor 09/16/1991
1970 BA UNIVERSITY OF UTAH
1991 MA UTAH STATE UNIVERSITY
English

Laura Bradford, Associate Professor.....09/30/1986
1988 AAS SALT LAKE COMMUNITY COLLEGE
1990 BA UNIVERSITY OF UTAH
1992 MA UNIVERSITY OF UTAH
Language

Judith Braun, Associate Professor..... 03/01/1989
1981 BS WEST VIRGINIA UNIVERSITY
2000 MED UNIVERSITY OF UTAH
Developmental Education

William Breedlove, Instructor 04/13/1995
Automotive Technology

Sue Briggs, Associate Professor.....08/16/2001
1973 BA VALDOSTA STATE COLLEGE
1978 MS TROY STATE UNIVERSITY
English

Lee Brinton, Associate Professor 09/25/1995
1983 BS UNIVERSITY OF UTAH
1984 MS UNIVERSITY OF UTAH
Engineering

Janet Brohm, Associate Professor 09/25/1995
1975 BS SOUTHERN ILLINOIS UNIVERSITY
1980 M.ED SOUTHERN ILLINOIS UNIVERSITY
Family and Human Studies

Norman Brown, Instructor 09/06/2005
Automotive Technology

Brent Budd, Assistant Professor 09/28/1987
1972 BFA UNIVERSITY OF UTAH
Visual Art and Design

Roderick Buhler, Instructor..... 08/20/2003
1992 BS WEBER STATE UNIVERSITY
Computer Information Systems

Robert Burdette, Assistant Professor.....07/17/2000
1979 BA UNIVERSITY OF UTAH
1993 MS WASHINGTON SCHOOL OF LAW
Accounting

Robert Burns, Associate Professor.....01/05/2004
1987 BA OREGON STATE UNIVERSITY
1989 MA OREGON STATE UNIVERSITY
Communication

David Carney, Assistant Professor.....08/16/2001
1988 BA UNIVERSITY OF IOWA
1991 MA UNIVERSITY OF IOWA
Humanities

Diana Carroll, Assistant Professor 01/01/1989
1981 AS STEVENS HENAGER
Medical Assistant

Christopher Case, Assistant Professor 06/19/1995
1983 BA UNIVERSITY OF NEVADA
1987 MA UNIVERSITY OF NEVADA
2002 PhD UNIVERSITY OF NORTHERN ARIZONA
History

James Celestino, Instructor..... 06/01/2005
2004 BA UNIVERSITY OF UTAH
2006 MFA ANTIOCH LA UNIVERSITY
Developmental Education

Sheila Chambers, Professor..... 09/16/1991
1981 BA CALIFORNIA STATE UNIVERSITY
1998 MFA MARYWOOD UNIVERSITY
Visual Art and Design

Basil Chelemes, Associate Professor 04/23/1990
1988 BS WESTMINSTER COLLEGE
1990 MBA WESTMINSTER COLLEGE
Business Management

Gianming Chen, Professor 09/16/1997
1982 BS NATIONAL CENTRAL UNIVERSITY TAIWAN
1988 MS UNIVERSITY OF UTAH
1991 EE UNIVERSITY OF UTAH
Computer Information Systems

Ron Christiansen, Associate Professor..... 06/23/1997
1994 BA BRIGHAM YOUNG UNIVERSITY
1998 MED UNIVERSITY OF UTAH
2002 CERT ESL
English

Betsy Christopher, Assistant Professor 08/01/2008
1980 BSN UNIVERSITY OF SAN DIEGO
2008 MSN WESTMINSTER COLLEGE
Nursing

Carolyn Clark, Professor 09/21/1994
1971 BA STANFORD UNIVERSITY
1973 MA UNIVERSITY OF WASHINGTON
1996 PhD UNIVERSITY OF UTAH
Communication

Jon Clark, Assistant Professor..... 08/16/2006
1975 AS SNOW COLLEGE
1981 BFA UNIVERSITY OF UTAH
1986 MFA UTAH STATE UNIVERSITY
Fine Arts

Norman Clark, Associate Professor 01/01/1986
2001 BS UTAH STATE UNIVERSITY
2004 MS UTAH STATE UNIVERSITY
Architectural Technology

Joel Clarkson, Instructor..... 08/16/2000
1981 CERT IDAHO STATE UNIVERSITY
1997 AAS SALT LAKE COMMUNITY COLLEGE
1999 BS WEBER STATE
Engineering, Drafting and Design

John Close, Professor 09/16/1992
1978 BS ST. JOHN UNIVERSITY
1988 MA MANKATO STATE UNIVERSITY
1991 MS UNIVERSITY OF UTAH
Developmental Education

Alfred Cole, Assistant Professor..... 09/27/1993
1965 BS UNIVERSITY OF UTAH
1967 MBA UNIVERSITY OF UTAH
Marketing

Nathan Cole, Assistant Professor..... 09/21/1994
1992 BA SAN DIEGO STATE
1994 MA BRIGHAM YOUNG UNIVERSITY
English

Aart Costello, Assistant Professor.....03/02/2005
1997 BS UNIVERSITY OF UTAH
2005 MS UNIVERSITY OF UTAH
Mathematics

Jennifer Courtney, Associate Professor 01/11/1999
1994 BA UNIVERSITY OF CALIFORNIA RIVERSIDE
1998 MA SAN DIEGO STATE UNIVERSITY
English

Gary Cox, Instructor.....01/04/2010
1993 BS WEBER STATE UNIVERSITY
2006 MA UNIVERSITY OF PHOENIX
Criminal Justice

Andrea Crittenden, Associate Professor 08/16/2003
1995 AAS SALT LAKE COMMUNITY COLLEGE
1996 AS SALT LAKE COMMUNITY COLLEGE
1997 BSN UNIVERSITY OF UTAH
1999 MSN UNIVERSITY OF UTAH
Nursing

Walter Cunningham, Associate Professor 09/21/1994
1988 BS BRIGHAM YOUNG UNIVERSITY
1991 PLS STATE OF UTAH
Surveying

Jessica Curran, Instructor 08/16/2011
2006 BS CALIFORNIA UNIVERSITY OF PENNSYLVANIA
2008 MS KEAN UNIVERSITY
Visual Art and Design

Rick Dalton, Instructor.....05/28/1991
1973 DPLM MURRAY HIGH SCHOOL
SAT Professional Driving

Adam Dastrup, Assistant Professor..... 08/15/1998
2000 AS SALT LAKE COMMUNITY COLLEGE
2002 BS UNIVERSITY OF UTAH
2006 MA UNIVERSITY OF UTAH
Geoscience

Mark Davis, Instructor 08/20/2008
1992 BA GEORGIA STATE UNIVERSITY
2005 MAT UNIVERSITY OF PHOENIX
Division of Arts and Communication

Mary-Jayne Davis, Associate Professor 09/01/1988
1986 BA UNIVERSITY OF UTAH
1989 MA UNIVERSITY OF UTAH
English

Shirley Dawson, Instructor 08/25/2010
1985 BS UNIVERSITY OF UTAH
1995 MED UNIVERSITY OF UTAH
2010 PhD UNIVERSITY OF UTAH
Pre Teacher Education

Rolayne Day, Professor..... 01/01/1976
1973 BS UTAH STATE UNIVERSITY
1977 MA UTAH STATE UNIVERSITY
Marketing

Rodney Derrick, Assistant Professor 12/01/1988
1973 AAS SALT LAKE COMMUNITY COLLEGE
Barbering and Cosmetology

Jane Drexler, Associate Professor.....08/16/2007
1995 BA UNIVERSITY OF COLORADO
2000 MA BINGHAMTON UNIVERSITY
2004 PhD BINGHAMTON UNIVERSITY
Humanities

Kimberly Dumas, Associate Professor 10/18/2002
1989 AND WEBER STATE UNIVERSITY
1995 BSN WEBER STATE UNIVERSITY
2001 MSN WESTMINSTER
Nursing

Gordon Dunne, Instructor..... 09/29/2008
2002 BA TRINITY COLLEGE
2005 MA UNIVERSITY COLLEGE
Developmental Education

James Dykman, Associate Professor 09/25/1995
1976 MA BRIGHAM YOUNG UNIVERSITY
1986 MPA BRIGHAM YOUNG UNIVERSITY
History

Takashi Ebira, Assistant Professor 09/01/2002
1999 BA UNIVERSITY OF UTAH
2001 MA UNIVERSITY OF UTAH
2002 CERT. UNIVERSITY OF HAWAII
Language

George Ellington, Associate Professor 09/20/1995
1987 BA SAN FRANCISCO STATE UNIVERSITY
1988 BA UNIVERSITY OF UTAH
1990 MA SAN FRANCISCO STATE UNIVERSITY
2001 MA UNIVERSITY OF UTAH
ESL

Ray Emett, Professor 9/1/1981
1977 BS UNIVERSITY OF UTAH
1988 MS UTAH STATE UNIVERSITY
Developmental Education

Edward Engh, Assistant Professor 08/31/2000
1981 BS UNIVERSITY OF UTAH
1984 MBA UNIVERSITY OF UTAH
Business Management

Michael Ensign, Instructor 04/12/2008
Applied Technology Center

Kathryn Eppler, Professor 01/06/1992
1984 BS UNIVERSITY OF UTAH
1986 MS UNIVERSITY OF UTAH
1993 BS UNIVERSITY OF UTAH
1997 MS UNIVERSITY OF UTAH
Mathematics

Julia Erbacher, Instructor..... 05/09/2008
2005 BS UNIVERSITY OF DAYTON
2007 MS UNIVERSITY OF UTAH
2007 RD UNIVERSITY OF UTAH
Health and Lifetime Activities

Chad Erekson, Assistant Professor 08/22/2007
1994 AAS SALT LAKE COMMUNITY COLLEGE
2000 AS THE ART INSTITUTE OF PORTLAND
2005 BFA BRIGHAM YOUNG UNIVERSITY
Visual Art and Design

Chad Fail, Associate Professor 08/16/2002
1998 AAS SALT LAKE COMMUNITY COLLEGE
2000 AAS SALT LAKE COMMUNITY COLLEGE
2002 BS UTAH VALLEY STATE COLLEGE
Building Construction

Sara Farida, Associate Professor.....08/16/2003
1977 BS KARNATAK UNIVERSITY, DHARWAD INDIA
1979 MS KARNATAK UNIVERSITY, DHARWAD INDIA
1990 PhD GULBARGA UNIVERSITY, GULBARGA INDIA
Engineering

Melaney Farr, Assistant Professor 06/01/2003
1994 BS UNIVERSITY OF NORTH TEXAS
1999 MS UNIVERSITY OF NORTH TEXAS
Biology

Steffeny Fazzio, Associate Professor 09/01/1985
1966 AA COLLEGE OF EASTERN UTAH
1969 BA UNIVERSITY OF UTAH
1991 MA UTAH STATE UNIVERSITY
Developmental Education

Allison Fernley, Associate Professor..... 09/13/1989
1982 BA UNIVERSITY OF UTAH
1984 MA UNIVERSITY OF UTAH
English

Craig Ferrin, Assistant Professor 06/10/2002
1986 BM UNIVERSITY OF UTAH
1987 MS NORTHWESTERN UNIVERSITY
2003 PhD UNIVERSITY OF UTAH
Fine Arts

Lara Fields, Instructor 06/19/1995
1985 BA GODDARD COLLEGE
1990 MA GODDARD COLLEGE
Psychology

Ana Fillingim, Instructor 08/24/2005
1982 BA UNIVERSITY OF MONTANA, MISSOULA
2003 MA UNIVERSITY OF UTAH
Developmental Education

Shannon Flynt, Assistant Professor.....08/16/2008
1999 BA ARKANSAS TECH UNIVERSITY
2006 MS UNIVERSITY OF CENTRAL ARKANSAS
Psychology

Steven Fogg, Assistant Professor..... 01/01/2000
1999 CERT CERTIFIED CAREERS INSTITUTE
2004 CERT COMP TIA
SAT MS Technician

Steve Ford, Assistant Professor 06/01/1981
1975 AAS SALT LAKE COMMUNITY COLLEGE
1980 AAS SALT LAKE COMMUNITY COLLEGE
Welding

Kenneth Freeman, Professor.....03/29/1994
1984 BS BRIGHAM YOUNG UNIVERSITY
1991 MS RUTGERS
Physical Therapy

Gordon Frisbey, Professor.....09/01/1979
1972 BS WEBER STATE UNIVERSITY
1990 MS WESTMINSTER COLLEGE
Computer Information Systems

Joseph Gallegos, Assistant Professor..... 03/01/1991
1986 BS UNIVERSITY OF UTAH
1992 MS UNIVERSITY OF UTAH
Mathematics

Brenda Gardner, Assistant Professor.....08/16/2011
1997 BS UTAH STATE UNIVERSITY
2007 MA WESTERN GOVERNORS UNIVERSITY
Developmental Education

Julie Gay, Associate Professor.....10/01/1990
1988 BS UTAH STATE UNIVERSITY
1989 MS UTAH STATE UNIVERSITY
School of Professional and Economic Development

Frank Gerrish, Assistant Professor 06/18/1990
1985 BFA UNIVERSITY OF RHODE ISLAND
1988 MFA PENNSYLVANIA STATE
Fine Arts

Luther Giddings, Assistant Professor.....05/03/2001
1985 BS UNIVERSITY OF UTAH
1993 PhD OHIO STATE UNIVERSITY
Chemistry

Mark Glines, Associate Professor..... 09/24/1990
1986 BS WEBER STATE UNIVERSITY
1989 CERT MOUNTAINWEST JUNIOR COLLEGE
1999 MED WEBER STATE UNIVERSITY
Developmental Education

Joshua Gold, Associate Professor 08/16/2001
1980 BA STATE UNIVERSITY OF NEW YORK
1988 MA UNIVERSITY OF OREGON
1994 PhD UNIVERSITY OF OREGON
Political Science

Christine Gonzales, Assistant Professor 09/01/1990
1973 BA BRIGHAM YOUNG UNIVERSITY
1979 MA BRIGHAM YOUNG UNIVERSITY
Language

Kerry Gonzales, Associate Professor..... 09/15/1997
1980 BFA UNIVERSITY OF UTAH
Visual Art and Design

Anne Graham, Professor 03/29/1993
1967 BS WASHINGTON UNIVERSITY - ST. LOUIS
1970 MS STANDFORD
1974 PhD STANDFORD
Sociology

Richard Graham, Professor.....03/01/1983
1991 BFA UNIVERSITY OF UTAH
1996 MFA UNIVERSITY OF UTAH
Visual Art and Design

Brent Green, Associate Professor..... 08/16/2006
1990 BA BRIGHAM YOUNG UNIVERSITY HAWAII
1993 MA BRIGHAM YOUNG UNIVERSITY
2007 PhD UNIVERSITY OF CALIFORNIAL, LA
Developmental Education

Eric Green, Associate Professor 08/20/2003
1994 BS UNIVERSITY OF NEBRASKA
2000 PhD UNIVERSITY OF CALIFORNIA BERKELEY
Biology

Donald Gren, Professor.....09/16/1988
1980 AS RICKS COLLEGE
1983 BS BRIGHAM YOUNG UNIVERSITY
1985 MS BRIGHAM YOUNG UNIVERSITY
1988 MBA UNIVERSITY OF UTAH
2004 PhD UNIVERSITY OF UTAH
Business Management

Maria Griffith, Assistant Professor..... 08/23/2000
1975 BA CALIFORNIA STATE UNIVERSITY
2002 MA UNIVERSITY OF PHOENIX
Developmental Education

Neal Grover, Instructor..... 01/01/1965
1976 BS UTAH STATE UNIVERSITY
1979 MIE UTAH STATE UNIVERSITY
Automotive Technology

Lana Gruendell, Professor..... 05/01/1987
1979 AAS UTAH TECHNICAL COLLEGE
1990 BFA UNIVERSITY OF UTAH
2008 MED UTAH STATE UNIVERSITY
Visual Art and Design

Shawna Haider, Associate Professor..... 09/27/1993
1987 BS UNIVERSITY OF UTAH
1999 MS UNIVERSITY OF UTAH
Mathematics

Chad Harbaugh, Instructor..... 05/17/2010
1996 BS EASTERN ILLINOIS UNIVERSITY
2001 MS SOUTHERN ILLINOIS UNIVERSITY
Health and Lifetime Activities

Melissa Hardy, Instructor.....08/16/2011
1998 BS BRIGHAM YOUNG UNIVERSITY
2001 MS SAN FRANCISCO STATE UNIVERSITY
2010 PhD UNIVERSITY OF UTAH
Biology

Maryln Harmer, Associate Professor.....08/28/1998
1986 BS UTAH STATE UNIVERSITY
1989 MS US SPORT ACADEMY
Health and Lifetime Activities

Lora Harpster, Assistant Professor 03/26/1991
1988 BS UNIVERSITY OF UTAH
1993 MS UNIVERSITY OF UTAH
Psychology

Jerri Harwell, Assistant Professor..... 08/23/1999
1979 BA OAKLAND UNIVERSITY
Developmental Education

Shauna Hatfield, Associate Professor.....08/20/1998
1989 BS WEBER STATE UNIVERSITY
1990 MS WEBER STATE UNIVERSITY
Accounting

Melissa Helquist, Associate Professor.....08/16/2002
1998 BA BRIGHAM YOUNG UNIVERSITY
2000 MA COLORADO STATE UNIVERSITY
English

Richard Hemingway, Assistant Professor..... 09/26/1994
1968 BSEE UNIVERSITY OF UTAH
SAT Electronics

Charles Hemming, Instructor **01/09/1998**
1995 BS IDAHO STATE UNIVERSITY
1995 MS IDAHO STATE UNIVERSITY
Developmental Education

David Hess, Instructor **10/21/2011**
1983 AAS SOUTHERN ILLINOIS UNIVERSITY
1986 BA SOUTHERN ILLINOIS UNIVERSITY
1991 MS SOUTHERN ILLINOIS UNIVERSITY
Mortuary Science

Martha Hess, Assistant Professor **03/03/1997**
1964 BS UTAH STATE UNIVERSITY
1970 MA UTAH STATE UNIVERSITY
SAT Adult Basic Ed

Marilyn Hibbert, Associate Professor **06/01/1976**
1970 BS UTAH STATE UNIVERSITY
Computer Information Systems

Judith Higgins, Associate Professor **06/11/2001**
1992 BS UNIVERSTIY OF UTAH
1994 MA UNIVERSITY OF KANSAS
1999 MA UNIVERSITY OF KANSAS
History

John Hill, Associate Professor **08/16/2000**
1988 AS BROOKDALE COMMUNITY COLLEGE
1989 AA BROOKDALE COMMUNITY COLLEGE
1991 BS THOAMS EDISON STATE COLLEGE
1993 MS JERSEY CITY STATE COLLEGE
2001 MA NEW JERSEY CITY UNIVERSITY
2001 DCJ HAWTHORNE UNIVERSITY
2007 EDD NOVA SOUTHEASTERN UNIVERSITY
Criminal Justice

Kathy Himle, Associate Professor **01/02/1996**
1996 CERT SALT LAKE COMMUNITY COLLEGE
2003 AS SALT LAKE COMMUNITY COLLEGE
2006 BS EXCELSIOR COLLEGE
SAT MS Technician

Marianna Hopkins, Associate Professor **09/16/1982**
1973 BA UNIVERSITY OF UTAH
1980 CERT UNIVERSITY OF UTAH
1982 ESL UNIVERSITY OF UTAH
1992 MS UTAH STATE UNIVERSITY
Developmental Education

Jaime Horning, Instructor **05/17/2010**
2011 AAS SALT LAKE COMMUNITY COLLEGE
Aviation Maintenance

Tamora Hoskisson, Instructor **01/01/2011**
1989 BA BRIGHAM YOUNG UNIVERSITY
1993 MA INDIANA UNIVERSITY
2000 MA UTAH STATE UNIVERSITY
2009 PhD NORTHERN ARIZONA UNIVERSITY
History

Gary Howard, Associate Professor **08/16/1993**
1974 BA UNIVERSITY OF PITTSBURGH
1977 MA UNIVERSITY OF PITTSBURGH
English

Charlotte Howe, Instructor **08/21/2002**
1982 BA UNIVERSITY OF UTAH
2001 MA WESTMINSTER COLLEGE
English

Joseph Howell, Professor **09/01/1984**
1976 BS UNIVERSITY OF UTAH
1976 BS UNIVERSITY OF UTAH
1978 MBA UNIVERSITY OF UTAH
1983 JD UNIVERSITY OF UTAH
Finance and Credit

Dean Huber, Associate Professor **01/02/1990**
1977 BA UNIVERSITY OF UTAH
1981 MA UNIVERSITY OF UTAH
ESL

David Hubert, Associate Professor **09/21/1994**
1987 BS COLORADO STATE UNIVERSITY
1990 MA UNIVERSITY OF CONNECTICUT
1997 PhD UNIVERSITY OF CONNECTICUT
Political Science

Whitney Hyans, Associate Professor **08/20/1998**
1990 BS WEBER STATE
1993 BFA WEBER STATE
1996 MFA SAVANNAH COLLEGE OF ART AND DESIGN
Visual Art and Design

Gustavo Ibarra, Professor **09/21/1994**
1974 BS ESCUELA NORMAL SUPERIOR DE NAYARIT
1976 MS BRIGHAM YOUNG UNIVERSITY
1980 PhD BRIGHAM YOUNG UNIVERSITY
Health and Lifetime Activities

Howard Ingle, Associate Professor **10/01/1982**
1972 BS CENTRAL MICHIGAN UNIVERSITY
1991 MEd UNIVERSITY OF UTAH
2004 LPC STATE OF UTAH
Psychology

Alexander Izrailevsky, Associate Professor **08/23/2000**
1974 BA GORKY URAL STATE UNIVERSITY
1974 MA GORKY URAL STATE UNIVERSITY
1980 PhD ACADEMY OF SCIENCE OF THE USSR
Humanities

Debora Jackson, Assistant Professor **01/09/2006**
1983 CERT UTAH VALLEY STATE COLLEGE
1994 ASN REGENTS
2001 BSN UNIVERSITY OF UTAH
2004 MSN UNIVERSITY OF UTAH
Nursing

Suzanne Jacobs, Associate Professor **01/08/2001**
1993 BS COLGATE UNIVERSITY
1997 MS UNIVERSITY OF COLORADO AT BOULDER
2000 MA UNIVERSITY OF UTAH
Humanities

DeeAnn Jensen, Professor **09/01/1989**
1974 BS BRIGHAM YOUNG UNIVERSITY
1975 MS BRIGHAM YOUNG UNIVERSITY
SAT OIS

K. C. Jensen, Professor **07/01/2000**
1980 AS CATONSVILLE COMMUNITY COLLEGE
1982 BS BRIGHAM YOUNG UNIVERSITY
1990 JD BRIGHAM YOUNG UNIVERSITY
Paralegal

Richard Jensen, Professor **09/22/1986**
1968 BS UTAH STATE UNIVERSITY
1971 MA UTAH STATE UNIVERSITY
Humanities

Weltha Jensen, Assistant Professor 08/16/2006
1978 LPN SALT LAKE COMMUNITY COLLEGE
1980 ADN WEBER STATE UNIVERSITY
1991 BSN WEBER STATE UNIVERSITY
1997 APRN AMERICAN NURSES CREDENTIALING CENTER
1997 MSN UNIVERSITY OF UTAH
Nursing

Lew Jeppson, Assistant Professor 03/29/1993
1970 BS UNIVERSITY OF UTAH
1972 BS UNIVERSITY OF UTAH
1988 BS WESTMINSTER
1992 MS UNIVERSITY OF UTAH
Economics

Kathleen Jewkes, Assistant Professor 01/02/2008
1974 BSN UNIVERSITY OF UTAH
2005 MSN UNIVERSITY OF PHOENIX
Nursing

Boyd Johnson, Instructor 08/23/2006
Building Construction

Bruce Johnson, Instructor..... 01/10/2005
2001 CERT LE CORDON BLEU AT BROWN COLLEGE
Culinary Arts

Roger Johnson, Assistant Professor 02/01/1991
1987 BS UNIVERSITY OF UTAH
2000 MS BRIGHAM YOUNG UNIVERSITY
Communication

Kathleen Johnston, Instructor 09/24/1998
1976 BA UNIVERSITY OF CALIFORNIA SANTA CRUZ
1987 MA UNIVERSITY OF SOUTHERN CALIFORNIA
Developmental Education

Shirley Jones, Professor..... 01/07/1992
1961 BA BRIGHAM YOUNG UNIVERSITY
1969 MA UNIVERSITY OF UTAH
1993 PhD UNIVERSITY OF UTAH
Communication

John Jorgensen, Associate Professor 10/01/1992
1988 BS WEBER STATE UNIVERSITY
1992 BS WEBER STATE UNIVERSITY
2004 MEd UTAH STATE UNIVERSITY
SAT OIS

Art Kanehara, Associate Professor..... 06/20/1994
1989 BA UNIVERSITY OF UTAH
1993 MA UNIVERSITY OF UTAH
Communication

Susumu Kasai, Professor 09/16/1997
1973 BS CARLETON COLLEGE
1992 MA UNIVERSITY OF MISSOURI - COLUMBIA
1997 MS UNIVERSITY OF MISSOURI - ST. LOUIS
Computer Information Systems

James Kidd, Instructor..... 08/16/2004
1968 BS UTAH STATE UNIVERSITY
1969 MS JOHNS HOPKINS
Developmental Education

Karen Killinger, Associate Professor.....01/04/1995
1982 BBA FT. VALLEY STATE COLLEGE
1992 MBAA EMBRY-RIDDLE AERONAUTICAL UNIVERSITY
Business Management

Lynn Kilpatrick, Associate Professor..... 06/10/2002
1991 BA UNIVERSITY OF OREGON
1998 MA WESTERN WASHINGTON UNIVERSITY
2004 PhD UNIVERSITY OF UTAH
English

Kevin King, Assistant Professor.....08/01/1996
1989 BA CALIFORNIA POYTECHNIC SAN LUIS OBISPO
Architectural Technology

Duane Kinner, Instructor.....08/29/2001
1999 BS GALLAUDET
Humanities, Language, and Culture Department

Billy Kleman, Instructor 01/11/2010
1974 BS TEXAS TECH UNIVERSITY
Diesel Systems Tech

Barbara Kloetzke, Associate Professor 01/01/2011
1981 AAS ST MARY'S JUNIOR COLLEGE
2007 BS COLLEGE OF ST CATHERINE
Occupational Therapy

Frank Komatar, Associate Professor 01/01/1981
1965 BS MONMOUTH COLLEGE
1971 MS UNIVERSITY OF WISCONSIN
Geoscience

Randal Koziatek, Professor 03/30/1992
1984 BS INDIANA UNIVERSITY
1985 MS INDIANA UNIVERSITY
Computer Information Systems

Mark Kranendonk, Assistant Professor 09/21/1994
1997 AS SALT LAKE COMMUNITY COLLEGE
Diesel Systems Tech

Carla Kulinsky, Associate Professor 04/11/1988
1979 BA UNIVERSITY OF DENVER
1993 BS UNIVERSITY OF UTAH
1998 MS UNIVERSITY OF UTAH
Developmental Education

Karen Kwan, Assistant Professor 08/23/2000
1985 BA PEPPERDINE UNIVERSITY
1988 MA PEPPERDINE UNIVERSITY
2008 EdD UNIVERSITY OF UTAH
Psychology

Susan Labasky, Professor.....03/26/1990
1982 BSN UNIVERSITY OF UTAH
1987 MSN BRIGHAM YOUNG UNIVERSITY
2005 PhD UNIVERSITY OF UTAH
Nursing

Sharee Laidlaw, Instructor 08/24/2005
1986 BS CALIFORNIA STATE UNIVERSITY
1989 JD SOUTH WEST UNIVERSITY OF LAW
Paralegal

Melodee Lambert, Associate Professor 09/01/1985
1970 BS BRIGHAM YOUNG UNIVERSITY
1980 MEd UNIVERSITY OF UTAH
Business Management

George Lange, Instructor.....09/01/1986
1984 CERT SALT LAKE COMMUNITY COLLEGE
SAT Refrigeration and Air Conditioning

Rachel Lawyer, Associate Professor 09/28/1992
1971 BS UTAH STATE UNIVERSITY
2000 MS UNIVERSITY OF UTAH
Developmental Education

Roger Lee, Professor 01/01/1991
1969 BS WEBER STATE COLLEGE
1973 MPA BRIGHAM YOUNG UNIVERSITY
1977 MBA UTAH STATE UNIVERSITY
1980 PhD UNIVERSITY OF UTAH
Business Management

Paul Lerdahl, Professor 09/09/1987
1973 BA UNIVERSITY OF UTAH
1989 AAS SALT LAKE COMMUNITY COLLEGE
1999 MS UTAH STATE UNIVERSITY
2006 MS JONES INTERNATIONAL UNIVERSITY
Developmental Education

Marilyn Little, Professor 09/23/1991
1984 BS UNIVERSITY OF UTAH
1987 MSN UNIVERSITY OF UTAH
SAT Nurse Assistant

Cristin Longhurst, Associate Professor.....01/01/1991
1971 BA UNIVERSITY OF CALIFORNIA LOS ANGELES
1973 MA BRIGHAM YOUNG UNIVERSITY
Developmental Education

Jon Longo, Instructor.....09/14/1998
2005 MSE NATIONAL INST. AUTOMOTIVE SERVICE EXCELLENCE
2005 CERT UTAH STATE BOARD OF EDUCATION
Automotive Technology

Jodie Lopez, Instructor 02/16/2007
1992 AS WEBER STATE UNIVERSITY
2000 BS WEBER STATE UNIVERSITY
Dental Hygiene

Jaydene Love, Associate Professor 09/20/1995
1970 BS WEBER STATE UNIVERSITY
1986 MS UNIVERSITY OF COLORADO
Accounting

Channing Lowe, Instructor.....08/16/2007
1996 BA UNIVERSITY OF UTAH
Fine Arts

Rebecca Lowell, Instructor 08/16/2008
1991 AAS WESTERN WYOMING COMMUNITY COLLEGE
1996 BS WEBER STATE UNIVERSITY
2006 BS WEBER STATE UNIVERSITY
2006 MS MIDWESTERN UNIVERSITY
Radiological Technology

Daniel Lowrance, Instructor..... 03/28/1995
1971 BS BRIGHAM YOUNG UNIVERSITY
1973 MBA BRIGHAM YOUNG UNIVERSITY
Div of CS, CIS, Mktg and PLgl

Brenda Lyman, Associate Professor 01/07/2002
1983 BS COLORADO STATE UNIVERSITY
2004 HPOT WESTERN MICHIGAN UNIVERSITY
Occupational Therapy

Caitlin Mackenna, Assistant Professor.....01/01/2012
2000 BSN UNIVERSITY OF MINNESOTA
2004 MSN UNIVERSITY OF MINNESOTA
Nursing

Stephanie Maenhardt, Associate Professor 08/23/1999
1993 BA BRIGHAM YOUNG UNIVERSITY
1995 MA BRIGHAM YOUNG UNIVERSITY
1999 PhD INDIANA UNIVERSITY OF PA
English

Kjartan Magnusson, Professor 09/01/1972
1968 BA BRIGHAM YOUNG UNIVERSITY
1978 MEd UTAH STATE UNIVERSITY
1989 EdD BRIGHAM YOUNG UNIVERSITY
Economics

Andrea Malouf, Assistant Professor 01/09/2006
1992 BA UNIVERSITY OF UTAH
1999 MA UNIVERSITY OF UTAH
English

Terry Martin, Assistant Professor 07/01/1986
1989 AAS SALT LAKE COMMUNITY COLLEGE
Visual Art and Design

Gregory Maughan, Instructor 01/01/2007
1997 CERT IHC CERTIFICATE
Surgical Technology

Alia Maw, Assistant Professor 06/01/2007
2001 BS UTAH STATE UNIVERSITY
2006 MS UTAH STATE UNIVERSITY
Mathematics

Jamie McBeth-Smith, Assistant Professor 08/16/2000
1977 BA UNIVERSITY OF UTAH
1980 MA UNIVERSITY OF UTAH
English

Vonadean McFarland, Associate Professor..... 08/01/1985
1975 BS BRIGHAM YOUNG UNIVERSITY
SAT Tooele OIS

Katherine McIntyre, Associate Professor 09/01/1983
1972 BS COLBY COLLEGE
1978 MS UNIVERSITY OF UTAH
Developmental Education

Ronald McKay, Assistant Professor..... 08/16/2006
2003 BS UNIVERSITY OF UTAH
2005 MS UNIVERSITY OF UTAH
Mathematics

Shirene McKay, Assistant Professor 01/02/2006
1979 BA BRIGHAM YOUNG UNIVERSITY
1983 MA BRIGHAM YOUNG UNIVERSITY
Communication

Alma McKertich, Professor.....09/01/1984
1974 BS UNIVERSITY OF UTAH
1977 MS UNIVERSITY OF UTAH
English

Marianne McKnight, Associate Professor..... 1/6/1992
1981 BA UNIVERSITY OF UTAH
1984 MA UNIVERSITY OF UTAH
History

Kenneth Medell, Instructor 09/19/2005
SAT Professional Driving

Mario Cesar Melo, Assistant Professor 08/24/2005
2002 BA UNIVERSIDADE FEDERAL DA BAHIA – BRAZIL
2004 MA BRIGHAM YOUNG UNIVERSITY
Mathematics

Marie Mendenhall, Instructor..... 08/16/2009
1985 BS UNIVERSITY OF MICHIGAN ANN ARBOR
1990 MBA EASTERN MICHIGAN UNIVERSITY
Dental Hygiene

Steven Mendiola, Instructor..... 01/01/1992
1986 CERT CLOVER PARK VOCATIONAL TECHNICAL INSTITUTE
Aviation Maintenance

Don Merrill, Professor 09/01/1978
1971 BS UNIVERSITY OF UTAH
1985 MS BRIGHAM YOUNG UNIVERSITY
Developmental Education

Douglas Miller, Associate Professor..... 08/02/2007
1995 AS COMMUNITY COLLEGE AIR FORCE
1995 AS VERNON REGIONAL JR COLLEGE
1995 AS COMMUNITY COLLEGE AIR FORCE
2003 BS WEBER STATE UNIVERSITY
Applied Technology Center

Julia Miller, Instructor 09/11/2006
1993 CMA CLEVELAND INST. OF DENTAL-MEDICAL ASSISTANTS
2004 ASPT AMERICAN SOCIETY OF PHLEBOTOMY TECHNICIANS
2004 RMA AMERICAN MEDICAL TECHNOLOGIES
Applied Technology Center

Kristi Miller, Assistant Professor 07/01/2007
2002 BSN BRIGHAM YOUNG UNIVERSITY
2007 MSN UNIVERSITY OF UTAH
Nursing

John Minichino, Instructor 04/01/1997
1971 BA TEMPLE UNIVERSITY
Criminal Justice

Jana Mitchell, Instructor.....08/16/2007
1999 AS SNOW COLLEGE
2001 AS SALT LAKE COMMUNITY COLLEGE
2006 BS UNIVERSITY OF UTAH
Surgical Technology

Elizabeth Montague, Associate Professor 09/15/1981
1975 BA UNIVERSITY OF UTAH
1990 MS UTAH STATE UNIVERSITY
English

Randy Moon, Instructor..... 09/22/1997
1969 BS UNIVERSITY OF UTAH
1972 MS UNIVERSITY OF UTAH
1977 PhD UNIVERSITY OF HAWAII
Biology

Theodore Moore, Instructor..... 01/10/2005
1992 BA BRIGHAM YOUNG UNIVERSITY
1994 MA UTAH STATE UNIVERSITY
2004 PhD MICHIGAN STATE UNIVERSITY
History

Robert Morelli, Assistant Professor 05/18/2009
1983 BA COLUMBIA UNIVERSITY NEW YORK
1986 MA COLUMBIA UNIVERSITY NEW YORK
1989 PhD HARVARD UNIVERSITY
Mathematics

Julie Morgan, Assistant Professor 01/01/2000
1982 BS UTAH STATE UNIVERSITY
1999 MS ILLINOIS STATE UNIVERSITY
Health and Lifetime Activities

Diane Moss, Assistant Professor 08/24/2004
1977 LPN UTAH TECHNICAL COLLEGE PROVO
1992 ASN WEBER STATE UNIVERSITY
1998 BSN WEBER STATE UNIVERSITY
2006 MSN UNIVERSITY OF PHOENIX
Nursing

Shannon Mullins, Assistant Professor 09/26/1996
2005 BS UNIVERSITY OF PORTLAND
2012 MEd WESTERN GOVERNORS UNIVERSITY
Applied Technology Center

Donna Murphy, Associate Professor 08/01/2005
1979 LPN UTAH TECHNICAL COLLEGE
1981 ASN WEBER STATE UNIVERSITY
1984 BSN UNIVERSITY OF UTAH
2002 MSN UNIVERSITY OF PHOENIX
Nursing

David Neil, Associate Professor 08/16/2004
1984 AAS WEBER STATE UNIVERSITY
1990 BS WEBER STATE UNIVERSITY
1995 MAOM UNIVERSITY OF PHOENIX
Radiological Technology

Dale Nelson, Assistant Professor 12/20/1993
1970 BA UNIVERSITY OF UTAH
1972 MEd UNIVERSITY OF UTAH
Mathematics

Holly Nelson, Instructor 06/13/2006
1998 BA WEBER STATE
2004 MS WEBER STATE UNIVERSITY
Humanities, Language, and Culture Department

Philip Nielson, Associate Professor..... 01/03/1994
1977 BS BRIGHAM YOUNG UNIVERSITY
1989 MBA UNIVERSITY OF PHOENIX
Computer Information Systems

Jeanne Noble, Professor 07/01/1975
1970 BS SOUTHERN UTAH STATE
1972 MS BRIGHAM YOUNG UNIVERSITY
SAT OIS

Lori Norton, Assistant Professor 08/01/2004
1992 ASN WEBER STATE UNIVERSITY
1995 BSN WEBER STATE UNIVERSITY
2004 MSN UNIVERSITY OF PHOENIX
Nursing

Dennis O`Reilly, Instructor..... 08/25/2010
1989 AAS SALT LAKE COMMUNITY COLLEGE
Automotive Technology

Lois Oestreich, Assistant Professor..... 08/21/2002
1987 BS SOUTHERN OREGON UNIVERSITY
2002 MS WESTMINSTER COLLEGE
Pre Teacher Education

Sarah Pacheco, Associate Professor.....08/01/2005
1990 ASN GULF COAST COMMUNITY COLLEGE
1997 BS UNIVERSITY OF PHOENIX
2001 MSN UNIVERSITY OF PHOENIX
2002 MBA UNIVERSITY OF PHOENIX
Nursing

Jackie Pappas, Instructor **10/22/1997**
1996 AAS SALT LAKE COMMUNITY COLLEGE
Culinary Arts

Diego Pardo, Assistant Professor **07/11/2005**
Applied Technology Center

Lauren Parker, Instructor **01/04/2010**
2006 BS MT. HOLYOKE COLLEGE
2009 MS OREGON STATE UNIVERSITY
Geoscience

Paige Paulsen, Associate Professor **09/23/1991**
1981 BS UNIVERSITY OF UTAH
1983 MS BRIGHAM YOUNG UNIVERSITY
Accounting

Laurie Paxton, Assistant Professor **09/24/1990**
1987 BS UTAH STATE UNIVERSITY
1996 MS UTAH STATE UNIVERSITY
Developmental Education

Tamra Phillips, Assistant Professor **01/11/1999**
1995 BS UNIVERSITY OF UTAH
1999 MS UNIVERSITY OF UTAH
Communication

Jason Pickavance, Associate Professor **08/16/2003**
1992 AA GREEN RIVER COMMUNITY COLLEGE
1994 BA WESTERN WASHINGTON UNIVERSITY
1997 MA WESTERN WASHINGTON UNIVERSITY
2008 PhD UNIVERSITY OF UTAH
English

Jeffery Plant, Professor **09/26/1994**
1975 BA BOWLING GREEN STATE UNIVERSITY
1991 BS UNIVERSITY OF UTAH
1993 MS UNIVERSITY OF UTAH
Architectural Technology

Diana Ploeger, Professor **01/10/1992**
1975 BS UNIVERSITY OF COLORADO
1999 MEd UTAH STATE UNIVERSITY
Physical Therapy

Dan Pope, Instructor **09/08/1999**
1988 CERT WEBER STATE
1996 CERT A+ CERTIFICATION
1999 CERT WIN 200 PRO MCP MCSE
2001 CERT AMP CERTIFIED
2001 CERT CISCO CCNA CERTIFIED
Computer Science

Celestina Punzalan, Professor **01/04/1993**
1965 BS FEATI UNIVERSITY
1989 MBA SAN SEBASTIAN COLLEGE
1996 MS UTAH STATE UNIVERSITY
Developmental Education

Lori Rager, Assistant Professor **08/16/2006**
2003 AS SALT LAKE COMMUNITY COLLEGE
2008 CPC AMERICAN ACADEMY OF PROFESSIONAL CODERS
2008 CPCH AMERICAN ACADEMY OF PROFESSIONAL CODERS
Medical Assistant

Ernest Randa, Professor **09/16/1993**
1974 BS UNIVERSITY OF UTAH
1980 MS WESTERN UNIVERSITY OF WASHINGTON
1990 PhD UNIVERSITY OF UTAH
History

Neal Reiland, Associate Professor **09/23/1991**
1985 BA WASHINGTON STATE UNIVERSITY
Visual Art and Design

Charles Rettberg, Instructor **08/16/2005**
1987 BS UNIVERSITY OF MONTANA
1995 MS UNIVERSITY OF MONTANA
2003 PhD UNIVERSITY OF UTAH
Biotechnology

Donetta Richards, Associate Professor **01/02/1991**
1979 BA UTAH STATE UNIVERSITY
1992 MA BRIGHAM YOUNG UNIVERSITY
Health and Lifetime Activities

Douglas Richards, Associate Professor **08/16/2001**
1974 BA BRIGHAM YOUNG UNIVERSITY
1980 MEd BRIGHAM YOUNG UNIVERSITY
Mathematics

Steven Riggs, Instructor **08/16/2010**
2000 BS UNIVERSITY CALIFORNIA - RIVERSIDE
2002 MS UNIVERSITY CALIFORNIA - RIVERSIDE
Mathematics

Jason Roberts, Assistant Professor **08/26/2009**
2001 BA BRIGHAM YOUNG UNIVERSITY
2010 MA BRIGHAM YOUNG UNIVERSITY
Developmental Education

Paul Roberts, Assistant Professor **09/23/1996**
1992 BS UNIVERSITY OF UTAH
1996 MS UNIVERSITY OF UTAH
Health and Lifetime Activities

Diane Robinson, Instructor **08/24/2005**
2001 CMA SALT LAKE COMMUNITY COLLEGE
2007 AS SALT LAKE COMMUNITY COLLEGE
Medical Assistant

Edward Rosenberger, Assistant Professor **01/12/2004**
2010 AAS SALT LAKE COMMUNITY COLLEGE
Visual Art and Design

Tiffany Rousculp, Associate Professor **09/16/1993**
1990 BA ARIZONA STATE UNIVERSITY
1993 MA UNIVERSITY OF SOUTHERN CALIFORNIA
English

Julie Rowsey, Assistant Professor **08/11/2003**
1982 ASN WEBER STATE UNIVERSITY
1987 BSN UNIVERSITY OF UTAH
2000 MSN UNIVERSITY OF PHOENIX
Nursing

Thomas Roybal, Instructor **08/16/2010**
2001 BS WEBER STATE UNIVERSITY
2005 MA UNIVERSITY OF CALIFORNIA
Mathematics

Jane Rudolph, Assistant Professor **09/27/1993**
1976 BA UNIVERSITY OF WYOMING
1987 PhD INDIANA UNIVERSITY
Biology

Mark Sabolik, Instructor **01/01/1991**
1985 NDT HUTCHINSON TECHNICAL COLLEGE
Non-Destructive Testing

Nader Safai, Professor 03/28/1988
1972 BSE MICHIGAN STATE UNIVERSITY
1974 MSE PRINCETON UNIVERSITY
1975 MA PRINCETON UNIVERSITY
1976 MA PRINCETON UNIVERSITY
1978 PhD PRINCETON UNIVERSITY
Engineering

Amar Sahay, Professor 03/23/1992
1975 AS ST. XAVIER'S COLLEGE
1980 BS BIRLA INSTITUTE OF TECHNOLOGY
1986 MS UNIVERSITY OF UTAH
1991 PhD UNIVERSITY OF UTAH
Business Management

Katerina Salini, Associate Professor.....02/01/2002
1987 BA UNIVERSITY OF NEW MEXICO
1993 MS UNIVERSITY OF UTAH
2001 BS WESTMINSTER COLLEGE
Psychology

Brenda Santistevan, Assistant Professor 09/16/1997
1995 BS NEW MEXICO INST. OF MINING AND TECHNOLOGY
1996 MS NEW MEXICO STATE UNIVERSITY
Mathematics

Arleen Sawitzke, Professor..... 09/01/1990
1980 BA CARROLL COLLEGE
1982 CERT UNIVERSITY OF ILLINOIS
1991 PhD UNIVERSITY OF UTAH
Biology

David Schaffer, Instructor 01/09/2006
1982 BS UNIVERSITY OF UTAH
2007 MS WICHITA STATE UNIVERSITY
Physics

Sarah Schramm, Assistant Professor 08/16/2008
1979 BS UNIVERSITY OF UTAH
1981 MS UNIVERSITY OF UTAH
Family and Human Studies

Heather Schumacker, Assistant Professor.....08/16/2011
1997 BA COLORADO STATE UNIVERSITY
2000 BS WESTMINSTER COLLEGE
2001 MBA WESTMINSTER COLLEGE
Economics

Debbe Schuster, Assistant Professor 04/16/2011
1987 BSN TEXAS TECH
2001 PhD UNIVERSITY OF ARIZONA
Nursing

Leslie Seiferle, Associate Professor 09/16/1993
1987 AA CULINARY INSTITUTE OF AMERICA
1996 CCE AMERICAN CULINARY FEDERATION
1997 AAS SALT LAKE COMMUNITY COLLEGE
1999 AS SALT LAKE COMMUNITY COLLEGE
2003 BS UTAH STATE UNIVERSITY
Culinary Arts

Russell Shipley, Associate Professor 01/16/2009
1994 BSN REGIS UNIVERSITY
1999 MSN REGIS UNIVERSITY
Nursing

Cheryl Shurtleff, Associate Professor..... 07/01/1987
1975 BA AUGUSTA COLLEGE
1987 TESOL UNIVERSITY OF UTAH
1987 MA UNIVERSITY OF UTAH
SAT ESL

Carol Sieverts, Associate Professor 09/25/1989
1972 BA BRIGHAM YOUNG UNIVERSITY
1993 MA UTAH STATE UNIVERSITY
Developmental Education

Fiona Silcox, Associate Professor 04/03/1997
1994 BA EMBRY RIDDLE
2008 MAS EMBRY RIDDLE
Professional Pilot

Celeste Skinner, Associate Professor..... 07/01/2009
1977 CMA SL COLLEGE OF MEDICAL AND DENTAL ASSISTANTS
1999 LRPT STATE OF UTAH
2004 AAS EXCELSIOR COLLEGE
2005 AAT UTAH COLLEGE OF APPLIED TECHNOLOGY
2012 BS EXCELSIOR COLLEGE
Applied Technology Center

Don Skousen, Instructor 03/29/1994
1977 BS UNIVERSITY OF UTAH
1980 MS UNIVERSITY OF UTAH
Business Management

Lawrence Sleight, Assistant Professor..... 01/10/2005
1996 BS UNIVERSITY OF UTAH
1999 JD UNIVERSITY OF UTAH
Paralegal

Deborah Smith, Instructor..... 01/12/2009
1996 BSN UNIVERSITY OF PHOENIX
2000 MSN UNIVERSITY OF UTAH
Nursing

Tyler Smith, Assistant Professor 06/03/2008
1997 BA UNIVERSITY OF UTAH
1999 MA UNIVERSITY OF UTAH
Communication

Zeph Smith, Associate Professor.....08/16/2002
1996 BS UNIVERSITY OF UTAH
2001 MS UNIVERSITY OF UTAH
Mathematics

Cindy Soderstrom, Associate Professor 04/06/1992
1992 AS SALT LAKE COMMUNITY COLLEGE
1998 BS UNIVERSITY OF UTAH
2002 MEd WESTMINSTER COLLEGE
Mathematics

Mequette Sorensen, Associate Professor.....03/31/1998
1991 BA UNIVERSITY OF UTAH
1996 MSW UNIVERSITY OF UTAH
Social Work

Shari Sowards, Professor 09/26/1988
1961 AS WEBER
1963 BS UNIVERSITY OF UTAH
1971 MS UNIVERSITY OF UTAH
Political Science

Charles Spainhower, Instructor 02/01/1973
1959 DPLM WEST HIGH SCHOOL
Automotive Technology

Connie Spanton-Jex, Assistant Professor 06/02/2001
1988 AS COLLEGE OF EASTERN UTAH
1988 BS UTAH STATE UNIVERSITY
2002 MA WESTERN MARYLAND COLLEGE
Humanities, Language and Culture Department

Mildred Sparks, Associate Professor **08/16/2003**
1964 BS ALABAMA STATE UNIVERSITY
1978 MS PEPPERDINE UNIVERSITY
Developmental Education

Liv Sperry, Instructor **01/10/2011**
1988 BS BRIGHAM YOUNG UNIVERSITY
1991 MS BRIGHAM YOUNG UNIVERSITY
2009 PhD BRIGHAM YOUNG UNIVERSITY
Biology

Barbara Stencel, Associate Professor **08/16/2001**
1972 RN RAVENWOOD HOSPITAL SCHOOL
1977 BSN UNIVERSITY OF UTAH
1981 MSN UNIVERSITY OF UTAH
Nursing

Michael Stenquist, Instructor **01/02/2008**
1982 BS UTAH STATE UNIVERSITY
Engineering, Drafting and Design

Brittany Stephenson, Associate Professor **08/29/2001**
1994 BA UNIVERSITY OF UTAH
1999 MA UTAH STATE UNIVERSITY
English

Elisa Stone, Associate Professor **03/29/1993**
1988 AA RICKS COLLEGE
1990 BA UTAH STATE UNIVERSITY
1993 MA UNIVERSITY OF UTAH
English

Jonathan Stowers, Associate Professor **09/16/1988**
1981 BA UNIVERSITY OF UTAH
1981 BFA UNIVERSITY OF UTAH
1984 MA UNIVERSITY OF UTAH
Language

TC Stuwe, Associate Professor **08/16/2003**
1995 AA CHEMEKETA STATE UNIVERSITY
1997 BA LINFIELD COLLEGE
1999 MS PORTLAND STATE UNIVERSITY
Developmental Education

Stephen Sue, Instructor **08/16/2011**
2000 AA JAMESTOWN COMMUNITY COLLEGE
2007 BA UNIVERSITY AT BUFFALO
2011 MA SUNY FREDONIA
Fine Arts

Rungrudee (Pook) Suetorsak, Associate Professor **08/16/2007**
1995 MS CHULALONGKORN UNIVERSITY
1999 MA UNIVERSITY OF UTAH
2004 PhD UNIVERSITY OF UTAH
Economics

Shane Tang, Assistant Professor **06/01/2003**
1999 AS UTAH VALLEY STATE COLLEGE
1999 BS BRIGHAM YOUNG UNIVERSITY
2001 MS BRIGHAM YOUNG UNIVERSITY
Mathematics

William Tanner, Professor **09/01/1984**
1975 BA POMONA COLLEGE
1979 MA SOUTHERN ILLINOIS UNIVERSITY
1983 PhD SOUTHERN ILLINOIS UNIVERSITY
Biology

Kristen Taylor, Instructor **08/16/2007**
1988 BS UNIVERSITY OF UTAH
2007 MS UNIVERSITY OF HAWAII
Biology

Larry Thomas, Instructor **01/11/2010**
2005 BS BRIGHAM YOUNG UNIVERSITY
2011 MS UNIVERSITY OF UTAH
Health and Lifetime Activities

Donna Thompson, Professor **10/03/1986**
1976 ADN UNIVERSITY OF KENTUCKY
1985 BSN BRIGHAM YOUNG UNIVERSITY
1989 MSN BRIGHAM YOUNG UNIVERSITY
Nursing

Melissa Tillack, Assistant Professor **08/16/2003**
1988 AS RICKS COLLEGE
1994 BS BRIGHAM YOUNG UNIVERSITY
2001 MS BRIGHAM YOUNG UNIVERSITY
Biology

William Tovar, Instructor **07/02/2007**
SAT Professional Driving

Timothy Trottier, Instructor **09/17/2008**
2009 AAS SALT LAKE COMMUNITY COLLEGE
Non-Destructive Testing

Ruth Trygstad, Associate Professor **11/16/1998**
1995 BA SOUTHERN ILLINOIS UNIVERSITY
1998 MS SOUTHERN ILLINOIS UNIVERSITY
Mathematics

Jana Tucker, Assistant Professor **03/15/1988**
1970 DPLM SALT LAKE CITY COLLEGE OF MEDICAL ASSISTING
1989 CMA AMERICAN ASSOCIATION OF MEDICAL ASSISTANTS
1998 AS SALT LAKE COMMUNITY COLLEGE
Medical Assistant

Deidre Tyler, Professor **06/22/1992**
1979 AA HINDS JUNIOR COLLEGE
1981 BS MISSISSIPPI STATE UNIVERSITY
1983 MA UNIVERSITY OF MISSISSIPPI
1993 PhD MISSISSIPPI STATE UNIVERSITY
Sociology

Robert Udy, Assistant Professor **09/30/1991**
1975 AAS SALT LAKE COMMUNITY COLLEGE
SAT Welding

Gilbert Ulibarri, Associate Professor **10/01/1993**
1992 AS SALT LAKE COMMUNITY COLLEGE
1992 BSEET WEBER STATE
2000 MS UTAH STATE UNIVERSITY
SAT Electronics

Molitika Vaivaka, Assistant Professor **01/04/1993**
1982 BS BRIGHAM YOUNG UNIVERSITY
1984 MS BRIGHAM YOUNG UNIVERSITY
Mathematics

Ron Valcarce, Assistant Professor **06/22/1992**
1989 BS UTAH STATE UNIVERSITY
1989 MS UTAH STATE UNIVERSITY
Chemistry

Trina Van Ausdal, Associate Professor **08/23/2000**
1996 BS BRIGHAM YOUNG UNIVERSITY
2001 MS UNIVERSITY OF UTAH
Physics

Enrique Velasquez, Associate Professor 10/1/1990
1988 BS UNIVERSITY OF UTAH
1992 MSW UNIVERSITY OF UTAH
2007 LCSW STATE OF UTAH
Social and Behavioral Sciences

Vinayak Kamdar, Instructor..... 01/16/2002
1960 BS UNIVERSITY OF OREGON
1961 MS VIRGINIA POLYTECHNIC INSTITUTE
1974 MBA WEST VIRGINIA UNIVERSITY
Engineering

Edward Walsh, Assistant Professor 06/01/1999
1995 CERT NOVEL CERTIFICATIONS
2000 CERT SALT LAKE COMMUNITY COLLEGE
2000 A+ COMP-TIA CERTIFICATIONS
2000 CERT MICROSOFT CERTIFICATIONS
2002 AS EXCELSIOR COLLEGE
2002 CERT MICROSOFT CERTIFICATIONS
2003 CTT+ COMP-TIA CERTIFICATIONS
2003 CERT LINUX NETWORK
2004 INET+ COMP-TIA CERTIFICATIONS
2004 LINUX+ COMP-TIA CERTIFICATIONS
2006 BS EXCELSIOR COLLEGE
Computer Science

Joseph, Warren, Instructor.....01/08/2001
1984 BS UNIVERSITY OF UTAH
1985 CERT UNIVERSITY OF UTAH
2009 MS JAMES COOK UNIVERSITY
Chemistry

Dennis Watson, Instructor..... 01/09/2006
1971 BS UNIVERSITY OF UTAH
1972 MBA UTAH STATE UNIVERSITY
1983 MA PACIFIC COAST SCHOOL OF BANKING
Economics

David Watt, Assistant Professor..... 04/01/1978
1964 BS UTAH STATE UNIVERSITY
Mathematics

LornaKay Wells, Professor..... 09/01/1982
1982 BS UTAH STATE UNIVERSITY
1984 MS UTAH STATE UNIVERSITY
Computer Information Systems

Edgar White, Instructor..... 09/16/1997
1996 AAS WEBER STATE
1997 BS WEBER STATE
Automotive Technology

Michael White, Assistant Professor 09/15/2004
1982 BS PAINE COLLEGE
1993 MA INDIANA UNIVERSITY OF PENNSYLVANIA
2005 MEd NORTHERN ARIZONA UNIVERSITY
Division of Developmental Education

Carol Whitesides, Assistant Professor 01/01/2006
1972 BS WEBER STATE UNIVERSITY
1978 BSN UNIVERSITY OF UTAH
1982 MPA BRIGHAM YOUNG UNIVERSITY
1997 FNP BRIGHAM YOUNG UNIVERSITY
Nursing

Jean Widdison, Associate Professor 09/14/1987
1974 BS BRIGHAM YOUNG UNIVERSITY
1982 MS UNIVERSITY OF UTAH
Health and Lifetime Activities

Candace Wignall, Associate Professor.....01/04/1988
1974 BS UNIVERSITY OF COLORADO
1995 MS BRIGHAM YOUNG UNIVERSITY
Developmental Education

L. Jay Williams, Associate Professor..... 05/01/1982
1967 BA BRIGHAM YOUNG UNIVERSITY
1970 MA BRIGHAM YOUNG UNIVERSITY
Communication

Sally Williams, Associate Professor 06/01/1971
1973 BS UNIVERSITY OF UTAH
SAT OIS

Brian Williamson, Associate Professor 03/01/1984
1987 AAS SALT LAKE COMMUNITY COLLEGE
1992 BS PACIFIC WESTERN UNIVERSITY
Aviation Maintenance

Andrew Wilson, Instructor 01/11/2010
1996 BS FLORIDA INSTITUTE OF TECHNOLOGY
Aviation Maintenance

Andrew Wilson, Assistant Professor 08/16/2009
2004 AS DIXIE STATE UNIVERSITY
2008 BS DIXIE STATE UNIVERSITY
2009 MBA SOUTHERN UTAH UNIVERSITY
Visual Art and Design

Dennis Wilson, Associate Professor 03/28/1988
1980 BS BRIGHAM YOUNG UNIVERSITY
1986 MS BOISE STATE UNIVERSITY
Economics

Lisa Wood, Professor..... 07/01/1991
1984 ARRT UNIVERSITY OF UTAH RADIOLOGIC TECHNOLOGY
1991 BS UNIVERSITY OF UTAH
1995 MS UNIVERSITY OF UTAH
Radiological Technology

James Woodall, Associate Professor 09/16/1993
1987 BS PORTLAND STATE UNIVERSITY
1989 MS PORTLAND STATE UNIVERSITY
Developmental Education

Bruce Worthen, Professor..... 09/23/1991
1981 BS BRIGHAM YOUNG UNIVERSITY
1984 MS UNIVERSITY OF UTAH
Computer Information Systems

Lynnette Yerbury, Professor.....03/15/1987
1980 AAS UTAH TECH. COLLEGE
1982 BS SOUTHERN UTAH STATE COLLEGE
1987 MBA UNIVERSITY OF UTAH
Accounting

Curtis Youngman, Professor..... 09/14/1978
1974 BS UTAH STATE UNIVERSITY
1977 MS UTAH STATE UNIVERSITY
Marketing

Erwin Zundel, Instructor.....02/01/2007
1968 BS BRIGHAM YOUNG UNIVERSITY
1976 MS WEBSTER UNIVERSITY
Professional Pilot