General Catalog
2004 - 2005

Salt Lake Community College

We can get you there.

SLCC 2004-2005 ACADEMIC CALENDAR

SUMMER 2004*

*****Generally, classes are not held on Fridays this term: May 21, 28, June 4, 11, 18, 25; July 2, 9, 16, 23, 30; Aug 6. There are selected Vocational/Technical courses and/or programs that are exceptions to the above. Check the class schedule for possible exceptions and course offerings on Fridays and/or Saturdays.

Monday	May 17	Classes Begin (Session 1 & Session 2, 11-week and 3-week)
Monday	May 31	School Closed – Memorial Day Holiday
Tuesday	June 1	Classes Begin (Session 4 - Skills Center)
Thursday	June 3	Last Day of Classes – Session 2
Thursday	June 10	Classes Begin (Session 3 – 8-week)
Monday	July 5	School Closed – Independence Day Holiday
Wednesday	July 28	Last Day of Classes (Session 4 – Skills Center)
Thursday	Aug 5	Last Day of Classes (Session 1 & Session 3)
Mon/Tues	Aug 9/10	Final Exams

FALL 2004

Wednesday	Aug 25	Classes Begin (15 week and 7 ½ week Sessions)
Sat-Mon	Sept 4-6	School Closed – Labor Day Holiday
Friday	Sept 10	Fast Trax Classes Begin (Friday night/Saturday classes)
Saturday	Sept 11	Saturday Classes Begin
Thurs-Sat	Oct 7-9	No Classes – Fall Break
Monday	Oct 18	Last Day of Classes (7 ½ week Session)
Tuesday	Oct 19	Classes Begin (Second 7 ½ week Session)
Saturday	Nov 20	Last Day of Classes & Finals – Fast Trax/Saturday classes
Thurs-Sat	Nov 25-27	School Closed – Thanksgiving Holiday
Thursday	Dec 9	Last Day of Classes (15 week and Second 7 ½ week Sessions)
Friday	Dec 10	Reading Day (No classes – instructors accessible to students)
Mon-Thurs	Dec 13-16	Final Exams

SPRING 2005

Monday	Jan 10	Classes Begin (15-week and 7 ½ week Sessions)
Sat-Mon	Jan 15-17	School Closed – Martin Luther King, Jr. Day Holiday
Friday	Jan 21	Fast Trax Classes Begin (Friday night/Saturday classes)
Saturday	Jan 22	Saturday Classes Begin
Sat-Mon	Feb 19-21	School Closed – President's Day Holiday
Wednesday	Mar 2	Last Day of Classes (7 ½ week Session)
Thursday	Mar 3	Classes Begin (Second 7 ½ week Session)
Mon-Sat	Mar 14-19	No Classes - Spring Break
Saturday	April 22	Last Day of Classes & Finals – Fast Trax/Saturday classes
Thursday	April 28	Last Day of Classes (15-week and Second 7 ½ week Sessions)
Friday	April 29	Reading Day (No classes – instructors accessible to students)
Mon-Thurs	May 2-5	Final Exams
Friday	May 6	Graduation

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A MESSAGE FROM THE PRESIDENT

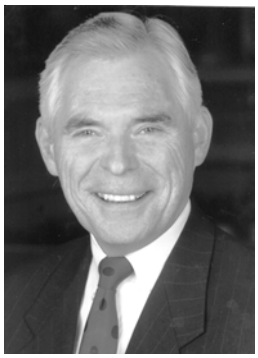
In recent years, Salt Lake Community College has faced some of the greatest challenges in its 56 year history. Explosive enrollment growth, increasing costs and diminished state funding have tested our ability to meet the growing needs of our students and community. Thanks to the outstanding efforts of our award-winning faculty and dedicated staff, we continue not only to meet these challenges, but flourish as Utah's largest and most diverse comprehensive community college.

We are grateful for the tremendous support we receive from our community, industry and governmental partners. Their contributions and efforts make possible the services provide to the more than 60,000 full-time, part-time and workshop students who turn to us each year for general education, applied technology and job skills training, developmental assistance, online and other distance education options, and continuing education programs.

As you read through our General Catalog, you'll find we have organized it to meet the needs of a variety of audiences. If you are a new or returning student, be sure to read "Things You Should Know" and carefully check the requirements listed in the academic program pages. If you are a business or community member, be sure to read the "Continuing Education" section. Whatever your interest, "Services and Resources for Business and the Community" provide a wonderful overview of all we can do to meet your needs.

Let me be among the first to welcome you to SLCC. For more than half a century, we have served our community with outstanding educational programs. Today, we remain committed to our mission and to providing the best possible place to teach, work and learn!

Judd Morgan, President



SLCC AT A GLANCE

SLCC MISSION, VALUES, AND GOALS

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/or 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)
Accociate of Arts in Business (AA)
Associate of Science Degree (AS)
Associate of Science in Business (AS)
Associate of Pre-Engineering (APE)
Associate of Applied Science Degree (AAS)
Diplomas
Certificates of Completion
Certificates
Letter of General Education Completion

STUDENT BODY PROFILE

Based on Fall Semester 2003, third week figures.

23,777, Headcount
14,213, FTE

96% Utah Residents
4% Non-Residents

44% Freshmen
56% Sophomores

52% Male
48% Female

10% Students with Disabilities

2% Veterans

88% Caucasian
6% Hispanic
4% Asian/Pacific Islander
1% American Indian/Alaskan Native
1% Black

Average Student Age - 25 Years old

Student to Faculty Ratio - 21 students to 1 faculty member

Number of Graduates - 2,631 students graduated during the 2002-2003 school year.

COLLEGE OVERVIEW

SLCC is an accredited, student-focused urban college serving the diverse needs of the Salt Lake community. The College serves some 60,000 students each year through credit and non-credit courses and workshops. To accommodate student needs, SLCC has 13 sites located throughout the Salt Lake Valley, including an eCampus for distance learning. 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 20 to 1.

The College has established active partnerships with more than 250 local businesses and the school districts within SLCC's service area 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.

As student enrollments and industry needs steadily increased over the past decade, the College expanded it's locations and offerings to meet demand:

The College broke ground in 1998 on a new campus bordering West Jordan and South Jordan. The 114-acre Jordan Campus will be constructed in about 12 phases during the next 25 years. The first five phases, currently serving more than 2,000 students, include a 200,000 square foot instruction and administration building, a 45,000 square foot high-tech classroom building used by both SLCC and the Jordan School District, a Student Pavilion, and the new "home of Bruin baseball"—Cate Field, a state-of-the-art baseball facility made possible through a generous do nation from the Cate Family Foundation.

The College also broke electronic ground in 1998 with the addition of an eCampus for distance learning. As of spring 2003, SLCC offers 353 course sections via distance education formats including telecourses, live distance education (EDNET), video checkout and the Internet, with almost half of these sections being taught completely online. More than 10 percent of SLCC course sections are eEducation classes, over 7,000 SLCC students are taking at least one eEducation course each semester, and continued growth is expected in this area.

To accommodate additional business/industry training and continuing education activities, 98,000 square feet of additional instructional and office space recently has been added to the Larry H. Miller campus in Sandy. Among other activities, this space houses the Utah Small Business Development Center and the Miller Business Innovation Center, an innovative business incubator program that helps start-up and young companies achieve accelerated growth through an array of operational and educational services.

The College has established itself as a prominent resource for the environmental science, hazardous waste treatment and biotechnology industries, a role that keeps SLCC on the forefront of cutting-edge technology.

The College maintains transfer and articulation agreements with public and private colleges and universities to help students seamlessly transition to four-year degree programs. Students may also enroll in a variety of four-year and graduate-level programs taught at SLCC sites through the College's University Center.

SLCC MISSION, VALUES, AND GOALS

OUR MISSION IS EDUCATION

Salt Lake Community College is a multi-campus, comprehensive institution serving a diverse population through lifelong education.

The College is committed to:

Vocational and Technical Education resulting in marketable job skills in a changing world,

General Education and pre-professional programs for transfer to other colleges and universities,

Adult and Continuing Education in cooperation with business and industry to enrich opportunities of citizens,

Developmental Education designed to support students making a special transition to college life,

Community Services Education providing services and activities that promote community involvement,

Student Services which support education and promote responsible choices through collegewide programs and activities.

SLCC COLLEGE VALUES

Students are our highest priority at SLCC. In harmony with this priority, we declare our values:

COMMUNITY
We value community involvement and economic development.

CREATIVITY
We value creativity, innovation and responsible risk-taking.

DIVERSITY
We value personal, cultural and ethnic diversity.

ENVIRONMENT
We value an accessible, safe, clean and aesthetically pleasing environment.

EXCELLENCE
We value quality education and professional excellence.

EXPRESSION
We value responsible, personal, academic and expressive freedom without harassment, intimidation or other destructive behaviors.

INTEGRITY
We value integrity, responsibility, honesty and ethical conduct.

PEOPLE
We value each student, faculty and staff member and believe that all should be treated with care, equity, respect and empathy.

WE VALUE OPPORTUNITY FOR GROWTH, RECOGNITION AND REWARD.

SLCC GOALS

GOAL #1 A LEARNING COLLEGE

SLCC will be a dynamic, learning-centered college characterized by a diverse assortment of innovative experiences, instructional methods, and delivery systems designed to bring all members of the college community together in a culture of learning with a commitment to continuous improvement.

GOAL #2 CAREER EDUCATION

SLCC will provide a contemporary assortment of career-oriented degree and certificate programs and credit and non-credit courses that are designed to ensure that graduates have the skills and knowledge needed to enter and advance in high demand occupations.

GOAL #3 TECHNOLOGY

SLCC will make optimum use of technology to enhance learning and maximize the effectiveness and efficiency of college operations.

GOAL #4 DIVERSITY

SLCC will enrich the educational experience of all learners by respecting and encouraging diversity.

GOAL #5 A PARTNER IN THE COMMUNITY

SLCC will be a leader in the economic, cultural, and educational life of the greater Salt Lake and Tooele communities and will partner with other organizations to share its re-sources and expertise in order to fulfill its mission as the community's college.

GOAL #6 MARKETING AND PUBLIC RELATIONS

SLCC will foster a strong positive, and consistent image as a vigorous, innovative organization that meets student, employer, community and regional needs with an impressive assortment of contemporary programs and services.

STEP ONE
APPLY FOR ADMISSION

STEP TWO
COMPLETE PLACEMENT TESTING

STEP THREE
APPLY FOR FINANCIAL AID

STEP FOUR
ATTEND ORIENTATION

STEP FIVE
LOG-ON TO 'MYPAGE'

STEP SIX
REGISTER FOR CLASSES

STEP SEVEN
GET YOUR 'ONECARD' STUDENT ID

STEP EIGHT
PAY TUITION AND FEES

STEP NINE
BUY TEXTBOOKS AND SUPPLIES

STEP TEN
MEET WITH AN ADVISOR

1 APPLY FOR ADMISSION

The first step to becoming an SLCC student is to complete an admission application form and submit it to SLCC Enrollment Services with the nonrefundable application fee ($35). Application forms are available from Enrollment Services offices at SLCC locations, most high school counseling centers and on the SLCC website at www.slcc.edu.

SLCC is an "open admission" college, so certain grades or test scores are not required for admission to the College. Health Science programs, however, do have specific admission requirements as described below.

SLCC has no admission deadlines, but students are strongly encouraged to apply at least eight weeks before the start of the semester to allow time for orientation, advising, and registration.

After an application has been processed, the student will receive a letter of admission containing important information about placement testing requirements. Students generally receive this letter within two weeks after the application is submitted.

EARLY ENROLLMENT

Academically qualified high school juniors and seniors may 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 interview with the Early Enrollment advisor. Early enrollment deadlines are usually two to three weeks before the semester begins. To learn more, call Advising at (801) 957-4978 or visit www.slcc.edu.

TRANSFER STUDENTS

Incoming transfer students must complete an admission application form and submit it to SLCC Enrollment Services with the $35 nonrefundable application fee. Transfer students who have earned credits at another college or university may be able to use that credit to (1) waive all or part of the placement testing requirements, and/or (2) meet general education or major course requirements in an SLCC program of study. See Transferring Credit in the **Things You Should Know** section of this Catalog.

INTERNATIONAL STUDENTS

Incoming international students must complete an International Student Application and submit it to the SLCC International Student Services Office with a nonrefundable $65 application fee. SLCC welcomes international students who have satisfactorily completed secondary school. Students who transfer from another university must have maintained at least a C average or equivalent in previous college-level work. SLCC is authorized to issue I-20 forms to qualified, nonimmigrant students. Students must complete an International Student Application and meet all admission standards to receive an I–20.

For further details about international admissions requirements, deadlines, homestay and the international orientation, look under the appropriate headings in the **Things You Should Know** section of this catalog.

Information about the International Student Services Office 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 SCIENCE PROGRAMS

Most SLCC health science programs have special admission requirements. Students must complete certain prerequisite courses and achieve specific grades before being admitted to these programs of study. A separate health science application form is also required. For details, refer to program descriptions in this catalog or call the Health Science Enrollment Services Office at (801) 957-4163.

ADMISSION TO SKILLS CENTER PROGRAMS

For information about Skills Center offerings and admissions, contact the Skills Center Enrollment Services office at South City Campus or call (801) 957-3354.

WHEN TO RE-APPLY

Application for admission is valid for two years. Students who have attended SLCC within the past two years do not need to reapply prior to registering for classes. Students who have been away from SLCC longer than two years must re-apply for admission and check for any curriculum changes which have occurred since they last attended. Upon re-admission, students must adhere to the graduation requirements in the current catalog. Students who have applied for admission within the last year but have not registered for classes may update their application by calling the Data Center at (801) 957-4283.

2 COMPLETE PLACEMENT TESTING

Students wishing to enroll in mathematics or English classes at SLCC must complete the Computerized Placement Test (CPT) **before** registering for these classes. The SLCC Assessment/Testing Centers at Redwood, South City and Jordan campuses administer the CPT each weekday on a walk-in basis. No appointment is necessary. A photo ID is required to take the test. The CPT is an untimed test, so students may take as much time as needed to complete the test. The CPT is not graded on a pass/fail basis. CPT test scores are used for class placements. Retests are limited to one per semester. Call 957-4269 for more in formation about taking the CPT.

Recent ACT scores (less than two years old for English and less than one year old for math) may be used in place of the CPT for class placements. Students who have taken the ACT recently should bring their scores to an Enrollment Services office for evaluation.

3 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 as the process can take several months 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.

4 ATTEND ORIENTATION

Get connected at SLCC! Orientation programs are designed to help students get started and take advantage of the resources offered at SLCC. New students are expected to complete a Connections Orientation program before registering for courses. Students completing the Connections Orientation by the established deadline are eligible for Connections Early Registration, the earliest registration opportunity for new students.

Visit the Orientation website at www.slcc.edu/orientation for more information on orientations and early registration, as well as for dates, times, and locations of these orientation programs.

The following orientation options are available:

CAMPUSCONNECT ORIENTATION

CampusConnect Orientation is an in-depth orientation provided prior to fall semesters. The program is open to all new students and offers important information about choosing a major, using the MyPage online system, registering for classes, transferring to a four-year college, buying books, buying parking permits, and much more. Participants also learn college survival and study skills, take campus tours, and have a unique opportunity to meet other new students and SLCC staff. Visit www.slcc.edu/orientation for more information about CampusConnect Orientation.

QUICKCONNECT ORIENTATION

QuickConnect Orientation provides a chance to get acquainted with the College, find out about SLCC departments and services, and meet other students. These 90-minute orientation sessions cover important topics such as using the catalog and class schedules, graduation requirements, registration procedures, and campus services. QuickConnect sessions are held several times prior to each semester, including morning, afternoon and evening sessions at various locations. During the orientation, students will learn strategies for planning their first term class schedule. To sign up for a QuickConnect Orientation, call (801) 957-4073.

NETCONNECT ORIENTATION

New students who are unable to attend orientation in person may complete the program online through NetConnect Orientation. 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.

INTERNATIONAL STUDENT ORIENTATION AND IMMIGRATION WORKSHOPS

An International Student Orientation is offered three times per year prior to the beginning of each term. Students on visas are highly encouraged to attend to gain information about maintaining both academic and immigration status. Students on visas have federally mandated requirements for school attendance. Visit www.slcc.edu/iss for more information.

5 LOG-ON TO 'MYPAGE'

MyPage is the easiest way to view the semester class schedule, register for classes and pay tuition and fees, as well as to learn about special services available to students. MyPage is a comprehensive website serving the needs of the SLCC community. Through MyPage, each student is provided a MyPage email account for communication with the institution, faculty and staff.

Students are assigned a MyPage user name and password within 48 hours of application to the College. To obtain their MyPage user name and password, students may go to MyPage, http://mypage.slcc.edu and click on "Get My Username and Password." Enter the requested information and MyPage login information will be displayed. Also, be sure to check out other helpful links on mypage.slcc.edu: "About MyPage" and "MyPage Tutorials."

Students should log-in to MyPage well in advance of registration to check/forward their email account and familiarize themselves with the system. Computers are available for student use at all SLCC locations. Call the Help Desk at (801) 957-5555 for computer locations and hours.

6 REGISTER FOR CLASSES

BEFORE REGISTERING FOR CLASSES, STUDENTS MUST:

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.

OBTAIN A CLASS SCHEDULE

Each semester, printed class schedules are made available at each location prior to registration. The class schedule is also available online at www.slcc.edu.

CLEAR ALL HOLDS ON STUDENT RECORD

Students must clear all holds prior to registration. Check "Registration Status" in MyPage for information regarding holds.

HOW TO REGISTER

ONLINE REGISTRATION

1. Use class schedule to decide which course(s) to register for; note course name and reference number for each desired class.

2. Log-in to mypage.slcc.edu
3. Click on School Services tab
4. Follow the directions to register for classes

DROPS/WITHDRAWALS

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

ADMINISTRATIVE DROP FOR NON-ATTENDANCE

Students must 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 fail to attend the first class meeting(s) as required may be dropped from the class** for non-attendance. Students who are unable to attend the first class meeting(s) as required due to extenuating circumstances must inform the instructor or department office, preferably in writing, that they will be in attendance at subsequent meetings and do not want the class dropped.

Students who receive an Administrative Drop for Non-attendance will receive full credit for tuition paid. Dropping and reinstatement are at the instructor's discretion during the first 20% of the term (see semester schedule for specific calendar dates).

Students should not assume classes are automatically dropped for non-attendance. Students are expected to manage their class loads and personally drop classes they will not be attending as early in the semester as possible. Failure to officially drop or withdraw from classes not attended will result in failing grades and tuition due the College. For more information, see Registration and Refunds/ Adjustments to Tuition in the **Things You Should Know** section of this Catalog.

7 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 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 Assessment/Testing Centers.

Students may also use OneCard as a debit purchase card for account payments, as well as dining, bookstore, vending machines, and some offsite purchases.

OneCard ID Centers are located at the Redwood, South City and Jordan campuses. Call (801) 957-4022 for more information about obtaining a OneCard ID.

8 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 undergraduate (UG) tuition/fees will be published each semester in Class Schedules. Tuition and fees rates for the 2004-2005 academic year are as follows:

2004-2005 TUITION AND FEES

CREDIT HOURS	RESIDENT TUITION/FEES	NON-RESIDENT TUITION/FEES	APPRENTICESHIPS TUITION/FEES BY CLASS
1	$ 194.00	$ 482.00	$ 97.00
2	277.00	747.00	133.00
3	360.00	1012.00	169.00
4	443.00	1,277.00	205.00
5	526.00	1,542.00	241.00
6	609.00	1,807.00	277.00
7	692.00	2.072.00	313.00
8	775.00	2,337.00	349.00
9	858.00	2,602.00	385.00
10	941.00	2,867.00	421.00
11	1,014.00	3,122.00	457.00
12-18	1,087.50	3,337.00	493.00
19	1,135.00	3,545.00	517.00
20	1,183.00	3,713.00	541.00
21	1,231.00	3,881.00	565.00

Approval to register for more than 20 hours per semester must be obtained from the appropriate division chair governing the student's academic major. For summer term only, all undergraduate (UG) students are charged tuition at the resident tuition rate regardless of residency status.

NOTES:

- A $50 Late Fee is charged after the last day to drop with 100% refund. See class schedule for the date on which Late Fees will be applied.
- 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.

HOW DO I PAY?

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

ONLINE...
Pay online 24/7 at MyPage.slcc.edu using your personal check or credit card. We accept VISA, MasterCard, American Express and Discover/Novus cards.

BY TELEPHONE...
Call a cashier at **Tuition Express - (801) 957-4459** with a credit card Monday through Friday, 8 a.m. until 4:30 p.m. MST.

BY MAIL...

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

OR, PAY IN PERSON VIA CASHIER EXPRESS
Pay tuition as well as fees for admission applications, transcripts, and graduation applications at Cashier Express Monday through Thursday 8 a.m. until 8 p.m. Cashier Express is located on the second level of the Student Center at the Redwood Campus.

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 the Revenue Services Department for processing. (See semester class schedule for locations.)
- Vouchers must be received on or before the tuition due date stated in the semester class schedule.

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.

WHAT OTHER FINANCING OPTIONS ARE AVAILABLE?

- Student Term Installment Loan (STIL)
- Financial Aid
- Sponsor Voucher

WHAT IS A SEMESTER TUITION INSTALLMENT LOAN (STIL)?
Students approved for this loan make monthly payments due the 10th of each month over the course of the semester. A $30.00 processing fee is added to the total tuition and fees. See Revenue Services Department for further details.

WHO IS ELIGIBLE FOR STIL?
All students can sign up for the Semester Tuition Installment Loan.

HOW DO I APPLY?

- Applications are available at any Cashier location or online:

  www.slcc.edu/revenue/Student_Cashiering_Forms.pdf

- Submit an application with work and personal references. Applications are approved at any cashier location or the Accounts Research Department.
- Students must make their first payment when they turn in the application.

REFUND CHECKS

Refund checks 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?

- Refund checks are processed after Financial Aid has applied to your student account, or after classes were dropped before the drop deadline.
- Refund checks are mailed to the student's current mailing address three to five days after funds have been applied to your account.
- Confirm that your check has been requested on your student account summary at MyPage.slcc.edu.

9 BUY TEXT BOOKS AND SUPPLIES

Students can purchase text books at one of convenient College Stores. 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 $4 shipping and handling fee per book. See the **Services and Resources for Students** section of this Catalog for more information about the College Store.

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

Knowledgeable academic and career planning advisors are available to assist students with accurate advising regarding:

- Career and vocational information
- Selection of college major and major changes
- Degree program and course selection
- Class scheduling
- Degree requirements
- Graduation audits
- Transfer of credits from other institutions
- Transfer of SLCC credits to other institutions
- College credit for work experience

Advisors provide interest and personality assessments for career choice, as well as interpret placement scores for mathematics and English classes. Advisors also direct students to other important resources on campus and in the community. Special advising services are available for members of specific cultural/ethnic communities, students with disabilities, and international students. See Academic

and Career Advising in the **Services and Resources for Students** section of this Catalog.

Advisors are available at the Redwood, South City, Jordan and Sandy locations. The General Advising Office is located in the Student Center at Redwood Campus. Call (801) 957-4978 or visit www.slcc.edu/advising for further information about Advising services.

INTERNATIONAL STUDENTS

Foreign student advising services to assist international students with maintaining both immigration and academic status are available in the International Student Services Office.

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).

HAVE A QUICK QUESTION? VISIT STUDENT EXPRESS

Located on the second floor of the Student Center at the Redwood Campus, the Student Express can provide information regarding admissions, interpretation of Computer Placement Test (CPT) scores, finding classes, registration, financial aid, and other basic student questions. Students undecided about a major, needing help with career advising or general education requirements will be referred to an advisor.

DEGREE DEFINITIONS

GENERAL EDUCATION REQUIREMENTS

SLCC 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
Letter of General Education Completion

Each of the following definitions includes the applicable Board of Regent 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 to initiate upper-division work in baccalaureate programs or prepare for employment. A minimum of 60 and a maximum of 63 credit hours, which include 30 to 39 credit hours of general education course work (minimum of 33 at SLCC), are required for completion of an associate degree. (The AA degree at SLCC 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. 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 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:
http://www.utahsbr.edu/html/student_info.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 **What 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 special-ized course work intended to prepare students to initiate upper-division work in baccalaureate programs. A minimum of 60 and a maximum of 63 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 special application as well as 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.

At SLCC, the AAS degree requires a minimum of 13 credits of general education (10-13 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."

Although the AAS degree is not a transfer degree, some Utah institutions (such as Utah Valley State College, Weber State University, 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/ DIPLOMA

A Certificate of Completion/Diploma program is represented by a coherent sequence of courses 30 credit hours or 900 clock hours or more, with gen-eral 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.

Certificate of Completion programs at SLCC are generally 30-40 credit hours and Diploma pro-grams are generally 40-62 credit hours. Any program of 32 semester credits or more contains human relations, communication, and computation components as outlined by the regional accrediting body. This requirement may be met in a variety of ways prescribed by each program. (See individual offerings for specific requirements.)

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

SKILLS CENTER CERTIFICATE OF COMPLETION
Skills Center Certificate of Completion programs are non-credit, financial aid-eligible programs of 600 hours or more. Skills Center students also receive a competancy transcript for any course or program completed. (Skills Center programs of less than 600 hours result in a Certificate.)

CERTIFICATES

An SLCC department, division, or School may award a Certificate to students completing particular courses or sequences of courses. The Certificate indicates a stand-alone specialization and certifies mastery or competency in the specific course(s) taken. These certificate programs are not financial-aid eligible and, by themselves, do not lead to graduation.

Skills Center students who receive a Certificate also receive competency transcript for any course or program completed.

LETTER OF GENERAL EDUCATION COMPLETION

Students who complete all of the general education requirements outlined for an AA or AS degree program (without completing the whole degree program) at SLCC will be considered as having completed the general education requirements at any USHE institution. A Letter of General Education Completion provides verification to a receiving institution that the student has satisfied the lower division general education requirements for all Utah public colleges and universities. (Details regarding General Education requirements at SLCC follow in the next section of this catalog.)

SAMPLE SCHEDULE
Most two-year degrees may be completed in four semesters if students enroll full time in 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.)

GENERAL EDUCATION REQUIREMENTS

WHY 'GENERAL EDUCATION'?

Students often ask, "Why should we take General Education courses?" General education courses are required for completing a program of study at Salt Lake Community College, but is this the only and best reason to take General Education courses? No!

General Education courses are designed to help students:

- Develop broader perspectives and deeper understandings of their communities and the world
- Explore a 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 positive contributions to our community, nation and world
- Learn how to LEARN for a lifetime

All are qualities which make SLCC students better people, citizens and employees!

SLCC GENERAL EDUCATION REQUIREMENT COURSES COVER THREE CATEGORIES:

CORE SKILLS
Core skills courses are exactly what their name implies--core to success as a student. These are required at every Utah System of Higher Education institution and consist of courses in English, Math and American Institutions.

INSTITUTIONAL REQUIREMENTS
Institutional Requirements include a lifelong wellness category (HLA); a Student Choice category, which allows students the flexibility to choose a course of particular interest; and a computer competency requirement.

DISTRIBUTION AREAS
Distribution Areas are designed to include specific criteria that are critical to students' overall educational development and success: communication, creativity, critical thinking, esthetics, social web, and substance. Each distribution area represents several disciplines through which students can learn ways of thinking about and discovering the world.

BIOLOGICAL SCIENCES (BS)
Biological Sciences 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 experi-

ence. 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 dependent on the biological world for survival and quality of life.

FINE ARTS (FA)
Fine Arts courses provide avenues for understanding and respecting different cultures, civilizations and their artistic expressions. Students will learn to understand connections between arts and society, the artistic process, and forms of artistic endeavors. Art, dance, drama, film, and music constitute the fine arts. They depict and express human experience, emotions and thought by means of verbal, visual and aural images, metaphors, and design.

HUMANITIES (HU)
Humanities express the human spirit and celebrate our emotions and intelligence. Students will recognize and appreciate the different cultural achievements and legacies of civilization. Students will learn how reality is structured by language and by cultural beliefs and values. Students will learn to read with discernment and to integrate moral, ethical and esthetic judgments in many contexts.

INTERDISCIPLINARY (ID)
For practical reasons, colleges tend to divide study into categories such as those listed above. The reality is 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. These courses are designed to study topics from more than one disciplinary approach or framework.

PHYSICAL SCIENCES (PS)
Students will learn to recognize the manifestations of physical science in phenomena of the everyday world. They will learn how to assess the credibility of scientific information. They will begin to use concepts of physical science to understand physical events and solve daily problems.

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

ASSOCIATE OF APPLIED SCIENCE (AAS) DEGREE GENERAL EDUCATION REQUIREMENTS

This section outlines the general education requirements for the Associate of Applied Science degree (AAS). In addition to the 13–19 credits outlined below, students will need to complete an additional 50–56 credits in their academic program to graduate with an AAS degree.

NOTE: Some academic programs may specify different courses for general education requirements than those listed below. Check specific program descriptions provided in this Catalog.

The general education requirements for an AAS degree will be considered fulfilled when a student has completed 13–19 credit hours in the following areas:

CORE SKILLS (10–13 CREDITS)

COMPOSITION (3 CREDITS)

ENGL	1010	Introduction to Writing	3

QUANTITATIVE LITERACY (3–4 CREDITS)

MATH	1010	Intermediate Algebra	4
		OR	
MATH	1030	Quantitative Reasoning	3
		OR	

Program specific math course (see program section for details.)

COMMUNICATION (3 CREDITS)

COM	1010	Elements of Effective Communication	3
		OR	
COM	1200	Principles of Public Speaking	3
		OR	

Program specific communication curriculum (see program section for details.)

HUMAN RELATIONS (2–3 CREDITS)

ART	1150	Foundation Seminar	2
		OR	
MKTG	1960	Professionalism in Business	3
		OR	
COM	2110	Interpersonal Communication	3
		OR	
CST	1010	Customer Service Technology	2
		OR	
FHS	2640	Working with Parents	2
		OR	
LE	1220	Human Relations in Career Development	3
		OR	
LE	1300	Human Relations and Self Esteem	2
		OR	

Program specific human relations curriculum (see program section for details.)

DISTRIBUTION AREAS (3–6 CREDITS)
Students must take 3–6 credit hours from the areas of Biological Sciences (BS), Fine Arts (FA), Humanities (HU), Interdisciplinary (ID), Physical Sciences (PS), or Social Sciences (SS). (See individual program outline for possible program-specific recommendations for course selection in these distribution areas.)

ASSOCIATE OF SCIENCE/ ASSOCIATE OF ARTS (AS/AA) DEGREE 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 33 credit hours in general education requirements as outlined below. The AA also includes a minimum of five credits of foreign language at the second semester level. Students must complete a total of 60-63 credits, including the general education requirements to graduate with an As or AA degree.

NOTE: Some academic programs may specify different courses for the general education requirements than those listed below. See academic programs listed alphabetically in the **Program Descriptions** section of this catalog.

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 educa-

tion requirements. Students transferring to BYU and Westminster College without an AS or AA degree should obtain advising in the selection of general education courses.

The general education requirements for an Associate of Science or an Associate of Arts degree will be considered fulfilled when a student has completed a minimum of 33–38 credit hours in the following areas:

CORE SKILLS (12–13 CREDITS)

COMPOSITION (6 CREDITS)

ENGL	1010	Introduction to Writing	3
ENGL	2010	Intermediate Writing	3
		OR	
ENGL	2100	Technical Writing	3

QUANTITATIVE LITERACY (3-4 CREDITS)

MATH	1030	Quantitative Reasoning	3
		OR	
MATH	1040	Introduction to Statistics	3
		OR	
MATH	1050	College Algebra	4
		OR	
MATH	1090	College Algebra for Business Students	3

In selecting a math 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 (3 CREDITS)

ECON	1740	Economic History of the U.S.	3
		OR	
HIS	1700	American Civilization	3
		OR	
POLI	1100	American National Government	3

INSTITUTIONAL REQUIREMENTS (3–7 CREDITS)

LIFELONG WELLNESS

Requirement fulfilled by completing 1 credit of an HLA (Health and Lifetime Activities) course.

STUDENT CHOICE CATEGORY

Requirement fulfilled by completing 2-3 credits from one of the following areas:

Depth - Any approved general education distribution course may be counted as a "depth" course. Students selecting this option will need to satisfy the general education distribution area and select a second course in the same distribution are to count as a depth course.

OR

Intensive (IN) - (Additional courses meeting the intensive option are being developed.) Such courses will be noted in the class schedule with an "IN" indicator. The COM courses may have a "CM" indicator.) Choose one:

BUS 2010 Business Communication (IN)
COM 1010 Elements of Effective Communication (CM)
COM 1200 Principles of Public Speaking (CM)

COMPUTER COMPETENCY (CL)

Requirement fulfilled by successfully passing a competency test or completing the following courses:

CIS	1020	Computer Essentials	3

(Completion of CIS 1020 with a B grade or better meets the computer proficiency requirement for business majors at all Utah colleges and universities.)

DISTRIBUTION AREAS (18 CREDITS)

Students must take 3 credit hours from each of the following areas: Biological Sciences (BS), Fine Arts (FA), Humanities (HU), Interdisciplinary (ID), Physical Sciences (PS) and Social Sciences (SS). (See individual program outline for possible program-specific recommendations for course selection in these distribution areas.)

The following lists offer courses from which to select to fulfill each distribution area requirement.

BIOLOGICAL SCIENCES (BS) (MUST TAKE LAB IF LISTED)

BIOL	1010	Introduction to Biology + Lab (1020)	4
BIOL	1030	Introduction to Plant Biology+ Lab (1040)	4
BIOL	1050	Introduction to Animal Biology + Lab (1060)	4
BIOL	1070	Introduction to Marine Biology + Lab (1080)	4
BIOL	1110	Introduction to Human Anatomy/Physiology	3
BIOL	1150	Physiology of Exercise	3
BIOL	1170	Foundations of Biology + Lab (1180)	4
BIOL	1210	General Biology + Lab (1220)	4

FINE ARTS (FA)

ART	1010	Exploring Art	3
ART	1020	Introduction to Drawing	3
ART	1050	Photography	3
ART	1060	Calligraphy–Design and History	3
DNC	1050	The Art of Dance	3
FA	1080	Basic Metal Sculpting	3
FA	1090	Bridging the Arts	3
FLM	1050	Introduction to Film	4
MUS	1010	Introduction to Music	3
MUS	1210	Music in History I	3
MUS	1220	Music in History II	3
THE	1010	Introduction to Theatre	3
THE	1050	Introduction to Film	4

HUMANITIES (HU)

ANTH	2010	People of the Southwest	3
ARTH	2500	Art History: Prehistory/Ren.	3
ARTH	2510	Art History: Ren./Contemp.	3
ARTH	2520	Latin American Art to 1750	3
COM	1050	Human Communication	3
ENGL	1050	Introduction to Reading Contemporary Culture	3
ENGL	1060	Technology Studies	3
ENGL	2600	Critical Introduction to Literature	3
ENGL	2710	Introduction to Folklore	3
ENGL	2740	Introduction to Women's Studies	3
HUMA	1100	Introduction to Humanities	3
HUMA	1300	Development of Western Civilizations--Ancient to Renaissance	3
HUMA	1310	Development of Western Civilizations--Renaissance to Modern Day	3
HUMA	2120	Sacred Texts and Mythologies	3
HUMA	2220	Polynesian Studies	3
HUMA	2301	Great Books I	2
HUMA	2302	Great Books II	2
HUMA	2350	History and Philosophy of Religion	3
HUMA	2600	Decade of the '60s	3
PHIL	1010	Introduction to Philosophy	3

INTERDISCIPLINARY (ID)*

ANTH	1010	Culture and Human Experience	3
ANTH	1030	Introduction to Archeology	3
BUS	1050	Business and Society	3
COM	1500	Introduction to Mass Communication	3
COM	2500	Elements and Issues of Digital Media	4
EDU	1400	Study of Disabilities	3
ELEC	1010	Electricity and Modern Living	3
ELET	1600	The Electronics Age	3
ENGL	1050	Introduction to Reading Contemporary Culture	3
ENVT	1010	Race to Save Planet	3
FHS	2400	Marriage and Family	3
FHS	2450	Introduction to Human Sexuality	3
FIN	1050	Personal Finance	3
FLM	1070	Film and Culture	4
GEOG	1600	Regional Geography	3
HLTH	1050	Life, Society and Drugs	3
HLTH	1500	Lifetime Wellness and Fitness	3
HUMA	1100	Introduction to the Humanities	3
HUMA	1200	Philosophy of Work	3
HUMA	2130	Philosophy in Literature	3
HUMA	2210	Introduction to Russian Culture	3
HUMA	2500	Future Studies	3
JEWL	1010	Jewelry: Culture and Creation	3
LE	1020	Essentials of College Study	3
LE	1310	Mind, Machine, Consciousness	3
LE	1350	Values and Self Image	3
MKTG	1050	Consumerism	3
PHIL	1110	Personal Ethics	3
SCI	1000	Intergrated Science	3
SOC	1020	Social Problems	3
SOC	2400	Intermountain West and People	3
TECH	1010	Technology and the Future	3
TECH	1020	Language of Tech-Design	3
THE	1070	Film and Culture	4

*Course(s) selected as Interdisciplinary must be from outside the Division of the student's major.

PHYSICAL SCIENCES (PS)

CHEM	1010	Introduction to Chemistry	3
GEOG	1200	Earth's Surface Environments	3
GEOL	1010	Introduction to Geology	3
MET	1010	Introduction to Meteorology	3
PHY	1010	Elementary Physics	3
PHY	1270	Conceptual Astronomy	3

SOCIAL SCIENCES (SS)

ECON	1010	Economics as a Social Science	3
HIS	1010	History of Western Civilization to 1300	3
HIS	1020	History of Western Civilization since 1300	3
HIS	1050	World History	3
HIS	1100	Understanding History	3
HIS	2990	Utah History	3
LE	1220	Human Relations for Career Development	3
POLI	1020	Political Ideologies	3
PSY	1010	General Psychology	3
PSY	1500	Human Growth and Development	3
PSY	2370	Gender Roles in American Society	3
SOC	1010	Introduction to Sociology	3
SOC	2370	Gender Roles in American Society	3

AA LANGUAGE REQUIREMENT (5 CREDITS)

Students wishing to complete an Associate of Arts at SLCC must take 5 credit hours of **second semester level** of a foreign language, specifically:

ARB 1020	GER 1020	RUS 1020
ASLI 1020	ITL 1020	SAM 1020
CHI 1020	JPN 1020	SPN 1020
FRN 1020	POR 1020	TNG 1020

THINGS YOU SHOULD KNOW

ADMISSIONS

REGISTRATION

CREDIT BY EXAM

TRANSFERRING CREDIT

GRADES AND REPORTS

ACADEMIC STANDARDS POLICY

TUITION AND FEES

FINANCIAL AID AND SCHOLARSHIPS

GRADUATION

COLLEGE POLICIES

STUDENT CODE OF CONDUCT

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 preference, national origin, disability, or status as a disabled veteran or veteran of the Vietnam era.

ADMISSIONS CLASSIFICATION

All individuals are encouraged to apply for admissions to SLCC. Following applicable state laws, Enrollment Services classifies all applicants for admission as either residents or non-residents for tuition purposes.

Students making application under the Utah state law (HB 144) "Exemption From Nonresident Tuition - Undocumented Student Applicant." should contact their high school counselor or Enrollment Services at SLCC. For related information, see **Tuition and Fees** section of this catalog.

IMMIGRANTS AND REFUGEES

Applicants who are permanent residents with an official resident alien number should go directly to Enrollment Services to process their admission application.

WESTERN UNDERGRADUATE EXCHANGE PROGRAM

Students who are residents of Alaska, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington, and Wyoming may be eligible to participate in the WICHE Western Undergraduate Exchange Program. This program provides tuition discounts for residents of these states who wish to attend colleges or universities in other participating states. WUE discounts are not available at all institutions or for all academic programs. At SLCC, approval for WUE discounts are handled on a first-come, first-served basis. For more information and WUE forms, go to www.slcc.edu or email maryetta.chase@slcc.edu.

INTERNATIONAL STUDENTS

Redwood Campus, Student Center 234
(801) 957-4528, FAX (801) 907-4432

South City Campus, E148E - (801) 957-4412

www.slcc.edu/iss, international.services@slcc.edu

SLCC welcomes international students. SLCC is authorized to issue the form I–20 to qualified non-immigrant students. Students must complete an international application and meet all admission standards to receive the I–20. SLCC accepts international students who have satisfactorily completed secondary school. Students who transfer from another university must have at least a C average (2.0 gpa) or equivalent in previous college level work.

DEADLINES FOR INTERNATIONAL ADMISSIONS:

Students applying from outside of the United States:

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

International students transferring from schools within the United States:

FALL SEMESTER	JULY 17
SPRING SEMESTER	DECEMBER 4
SUMMER TERM	APRIL 30

For students transferring from colleges or universities within the U.S., application and all supporting documents must be received at least six weeks before classes begin. The following documents and credentials are to be submitted to the International Student Services Office before the College will issue an I–20.

1. APPLICATION FOR ADMISSION

Applicants must properly complete the International Student Application for admission with the appropriate field of study. A $65 non-refundable application fee must accompany the application.

2. TRANSFER FORM

Students transferring from schools within the U.S. must submit a transfer form signed by the international student advisor certifying that the students have been enrolled full-time and maintained F-1 student status. Overall grade point average (cumulative) for new and transferring students must be a 2.0 or better for consideration for admission. After all the requested documents and credentials have been received, **the application for admission** will be evaluated. If approved, an I-20 form will be issued to the prospective student.

3. FINANCIAL STATEMENT

The Immigration and Naturalization Service (INS) requires SLCC to verify that an international student can provide evidence of financial resources for the length of time necessary to pursue an education in the United States. A realistic financial plan is necessary for the issuance of an I-20 form. Official financial statements from the student or sponsor are used to demonstrate financial ability. Financial aid is not available for international students. Students on visas always pay non-resident tuition. Faxed documents are not accepted.

4. PROOF OF ENGLISH PROFICIENCY

A. TOEFL EXAMINATION

A minimum computer-based TOEFL score of 173 is required to enter a major. International students who score between 133–172 will be admitted to the level four ESL classes.Students scoring below 133 will be admitted to SLCC Intensive English Language Program at the Skills Center. The TOEFL test scores must be official and taken within the last two years. 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.

B. COMPUTERIZED PLACEMENT TEST (CPT)

The CPT, including the LOEP, is required of all students. A minimum score of 84 is required to enter a major. Students scoring between 72 and 83 will be admitted to the level four ESL classes. Students scoring below 72 will be admitted to the SLCC Intensive English Language Program at the Skills Center. The test must have been taken within the last year. The CPT test can be taken at the Redwood, South City or Jordan Campus Assessment Center. A student scoring below 173 on the computer-based TOEFL or below the minimum to enter a major on the SLCC Computerized Placement Test 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 Skills Center. Based on these scores, students will be placed at the level of instruction appropriate for their needs.

Students applying from outside the United States who are unable to take any of the tests listed above will be issued an I-20 for the Intensive English course taught at the Skills Center. Students will be tested upon arrival and then enroll for 20 hours a week in ESL.

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.

5. TRANSCRIPTS

International students must submit:

An official diploma or certified copy of high school graduation (international admissions policy requires satisfactory completion of secondary education or the equivalent of a U.S. high school diploma)

OR

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

Official English translations must be included. Faxed documents are not accepted.

Evaluations can be obtained through a foreign credential evaluation service. Information about these services is available from the International Student Services Office.

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

PLACEMENT TESTING

Students wishing to enroll in mathematics or English classes at SLCC must complete the Computerized Placement Test (CPT) **before** registering for these classes. The SLCC Assessment/Testing Centers at Redwood, South City and Jordan campuses administer the CPT each weekday on a walk-in basis. No appointment is necessary. **A photo ID is required to take the test.**

The CPT is an untimed test, so students may take as much time as needed to complete the test. The CPT is not graded on a pass/fail basis. CPT test scores are used for class placements. Retests are limited to one per semester. Call 957-4269 for more information about taking the CPT.

Recent ACT scores (less than two years for English and less than one year for math) may be used in place of the CPT for class placements. Students who have taken the ACT recently should bring their scores to an Enrollment Services office for evaluation.

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 CPT/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 Redwood Campus ESL coordinator at (801) 957-3245 or the Skills Center, South City Campus, at (801) 957-3212.

REGISTRATION

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. Class schedules are also printed each semester and contain a listing of classes taught, as well as policies and procedures relating to registration, adding and dropping classes, tuition payment, refunds, challenging of classes, and due dates.

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 in the class schedule and online in MyPage. Special permission must be obtained to add classes after the published deadline and late payment fees may be assessed. Early class registration services are available for students who are registered with the Disability Resource Center.

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 scheduled registration periods through the 5th business day of each full semester or term of 7½ weeks or longer, or through the end of the 2nd business day of any term shorter than 7½ weeks. Students hoping to add a course are encouraged to attend the first class meeting of that course.

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 according to the refund/adjustment schedule printed in the class schedule and available online in MyPage. 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 7½ week term. For sessions shorter than 7½ 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 may be granted by a Division Chair or Dean, Dean of Students, or the Disability Resource Center in extenuating circumstances with appropriate documentation. No exceptions will be granted after final exams have been given.

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 enrolled in classes of high demand and/or limited availability are particularly vulnerable to a drop for non-attendance.

Students who receive an Administrative Drop for Non-attendance will receive full credit for tuition paid. Dropping and reinstatement are at the instructor's discretion during the first 20% of the term. (See class schedule for specific calendar dates.) **Students should never assume classes are automatically dropped for non-attendance.** See **Failure to Drop/Withdraw.**

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 procedures 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 submit drops/withdrawals 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. (See **Refunds/Adjustment to Tuition** in this section of the catalog.)

APPEAL TO DROP - APPEAL FOR TUITION ADJUSTMENT

In the case of extenuating circumstances, students may appeal to drop classes at 100%. Appeals for tuition refunds/adjustments must be initiated within one year of the semester involved. Please submit a completed "Appeal For Tuition Adjustment" Form with appropriate documentation to Enrollment Services. Guidelines for submitting appeals are included 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, or submitted by FAX to (801) 957-4961. Please go to www.slcc.edu for more information and access to Enrollment Services forms.

Appeals are reviewed by a representative of the Enrollment Services Appeals Committee and the results are mailed to you within 7 working 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 and will be mailed to you.

AUDITING CLASSES

Students auditing a class do not receive credit for the class and ordinarily do not take examinations or complete assigned work. An AU is recorded on a student's transcript instead of a grade. The amount charged for auditing a class is the same as taking it for credit. Audited classes are not counted as a part of a student's enrollment status and students cannot receive financial aid or veteran benefits for audited classes. Not all classes may be audited.

Students should declare their intent to audit a class at the time of registration, but may do so until the Add deadline (see **Adds/Drops/Withdrawals** above). Exceptions will be recommended by the instructor and approved by the Division Chair.

SENIOR CITIZEN ENROLLMENT

Senior citizens age 62 and over who are Utah residents are invited to enroll in any regular class offered at reduced cost under the following conditions:

- Space must be available in the class;
- Classes will be taken as an audit (no college credit);
- $10 registration fee required each semester (fee does not cover cost of books, supplies, parking or lab fees);
- Application for admission must be filed with Enrollment Services. ($35 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: Advanced Placement (AP), Challenge Examinations, College Level Examination Program (CLEP) and International Baccalaureate (IB) Examination. Credit earned through these exams is not counted as in-residence credit.

ADVANCED PLACEMENT EXAMINATIONS

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.

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. Challenge examinations may be taken at any time during the semester at $25 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. If the student has ever taken the class, they are ineligible to challenge it. This includes classes which have been audited or failed.

For challenge information, please contact the Assessment Center at (801) 957-4269. 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.

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

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

TABLE 1: ADVANCED PLACEMENT EXAM CREDIT

EXAM	SCORE	CR	COURSES
Art History	3 4-5	8 8	HUMA 1400 + 5 hours GEN ED Credit HUMA 1400, HUMA 1410 + 2 hours GEN ED credit
Art Studio (All)	3-5	8	8 hours Fine Arts elective credit
Biology	3-5	8	BIOL 1010 + 4 hours elective credit
Calculus A B	3 3-5	8 8	MATH 1050 + 4 hours elective credit MATH 1210 + 4 hours elective credit (MATH 1050)
Calculus B C	3 4-5	8 8	MATH 1210 + 4 hours elective credit (MATH 1050 MATH 1210, MATH 1220 (Waives MATH 1050)
Chemistry	3	8	CHEM 1010, CHEM 1210 + 1 hour GEN ED credit
Computer Science A	3-5	4	4 hours elective credit
Computer Science A B	3-5	8	CS 1500 + 5 hours elective credit
Economics - Macro Economics - Micro	3-5 3-5	4 4	ECON 2020 + 1 hour elective credit ECON 2010 + 1 hour elective credit
English - Language and Composition	3-5	8	ENGL 1010 + 5 hours elective credit language and compostiion
English - Literature and Composition	3-5	8	ENGL 1010, ENGL 2600 + 2 hours elective credit literature and composition
Environmental Science	3-5	4	4 hours elective credit
European History	3-5	8	8 hours GEN ED (Social Sciences) credit
Foreign Language (French, German, Spanish)	3-4 5	8 10	Language 1010 + 3 hours elective credit Language 1010, Language 1020
Government & Politics - US	3-5	4	POLI 1100 + 1 GEN ED credit
Government & Politics - Comparative	3-5	4	POLI 2200 + 1 elective credit comparitive
Music Theory	3-5	8	8 hours Fine Arts elective
Physics B	3 4-5	8 10	PHY 1010 + 5 hours GEN ED credit PHY 2010, PHY 2020, PHY 2030, and PHY 2040
Physics C Mechanical	3 4-5	4 5	PHY 1010 + 1 hour GEN ED credit PHY 2010 & PHY 2230 OR PHY 2210 & PHY 2230
Physics C Electricity/Magnetism	3 4-5	4 5	PHY 1010 + 1 hour GEN ED credit PHY 2020 & PHY 2040 OR PHY 2220 & PHY 2240
Psychology	3-5	4	PSY 1010 + 1 hour elective credit
Statistics	3-5	4	MATH 1040 + 1 hour elective credit
U.S. History	3-5	8	HIS 1700 + 3 hrs GEN ED credit + 2 hrs elective credit

TABLE 2: CLEP EXAM CREDIT

EXAM	SCORE	CR	COURSES
English Composition with Essay*	50	6	ENGL 1010 + 3 hours elective credit
Natural Sciences	50	6	3 hours Physical Science GEN ED + 3 hours Biological Science GEN ED
Humanities	50	6	3 hours Fine Arts GEN ED + 3 hours Humanities GEN ED
Social Science/History	50	6	HIS1700 + 3 hours Social Science GEN ED
Foreign Language	50	10	Fulfills first year Language requirement

*Departmental approval pending, using Freshman College Composition with essay.

shown in **Table 2: CLEP EXAM CREDIT**. Additional CLEP tests can be taken at SLCC Assessment 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, it is strongly suggested that students consider taking the University of Utah or Brigham Young University language exam.

The CLEP test is given by appointment only. For specific information regarding the CLEP test or to make an appointment, contact the Assessment Center at (801) 957-4269.

NOTE: CLEP tests in Natural Science and Humanities administered after July 1, 1993 do not report subscores as shown here. For more information, contact Enrollment Services.

GENERAL EDUCATIONAL DEVELOPMENT (GED) EXAMINATION

The GED test is available for students wishing to obtain credit toward a high school or GED diploma. A fee is charged and age requirements do apply. Picture ID required. Call the Redwood Assessment & Testing Center at (801) 957-4269 for further information.

INTERNATIONAL BACCALAUREATE (IB) EXAMINATION CREDIT

Students who achieved scores of 5, 6, or 7 on Higher Level Internation-al Baccalaureate (IB) Examinations may be awarded up to eight semester hours of credit in each Higher Level examination or 30 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 writing, American history, and mathematics. These areas can be cleared with a Higher Level exam. For more information about IB credit, call (801) 957-4738.

TRANSFERRING CREDIT

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.

2. Fill out a Request for Evaluation of Transfer Credit at Salt Lake Community College's Enrollment Services. These forms (transcript request cards and evaluation request forms) are available at Enrollment Services. An evaluation of the credit will begin as soon as a transcript is received. 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.

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. All credit accepted will be recorded on the SLCC transcript and a report will be sent to the student. Once transfer credit is posted to a student transcript, it cannot be removed.

NOTE: Students wishing to transfer credits from schools **outside** 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. Grades in individual classes were C- or higher, except in cases where a grade of C 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.

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.

TRANSFER OF CREDIT FROM SLCC TO OTHER INSTITUTIONS

SLCC is accredited by the Commission on Colleges of the Northwest Association of Schools and Colleges (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, therefore, 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 ex-ceptions; students should check with the institution to which they plan to transfer to determine exactly how SLCC credit will be accepted.

SLCC offers the Associate of Science and the Associate of Arts degrees that provide the first two years of college for most baccalaureate degree programs. Students who earn SLCC's 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" to be sent with their transcripts to the institution to which they intend to transfer.

Students can begin lower division requirements for most baccalaureate majors at SLCC. SLCC offers the AS and AA degree in more than 30 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 or 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, 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 transfer and articulation agreements with 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 STATE COLLEGE
WEBER STATE UNIVERSITY

TRANSFER TIPS

Start early to plan your 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 a Career Clues workshop and the Career/Major Fair.

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.

Use articulation agreements,
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.

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.

PRIVATE AND OUT-OF-STATE SCHOOLS

BRIGHAM YOUNG UNIVERSITY
BYU HAWAII
BYU IDAHO
BROOKS INSTITUTE OF PHOTOGRAPHY
CALIFORNIA STATE UNIVERSITY, BAKERSFIELD
COLUMBIA COLLEGE OF MISSOURI
FRANKLIN UNIVERSITY (VIA INTERNET)
UNIVERSITY OF PHOENIX
WESTMINSTER COLLEGE

SLCC continues to investigate articulation agreements with other higher education institutions. For information about articulations, contact a Transfer Advisor in the Academic Advising office - (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 & Resources for Students** section of this Catalog.

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 School Services 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 fullfill 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 reregister for the class and pay applicable tuition and fees. All coursework for 'EX' grades must be completed within one year.

REPEAT COURSES

A student may repeat a course in which a low grade has been received. The student must notify Enrollment Services at the end of the term in which the class was repeated. The original grade remains on the record and is marked as a repeated course. The highest grade received in the course will then be used in calculating the student's cumulative GPA. Classes repeated at other institutions **may** be marked as repeated classes if the classes taken elsewhere are accepted as transfer credit at SLCC.

ACADEMIC STANDARDS POLICY

To graduate from SLCC, students must have an overall cumulative grade point average (GPA) of 2.0. The Academic Standards Policy is in place to monitor students earning less than a 2.0 cumulative GPA. The levels of the policy are outlined below:

1. **ACADEMIC WARNING**
   Student's cumulative GPA falls below 2.0 for the first time.
2. **CONDITIONAL ENROLLMENT**
   Student's cumulative GPA falls below 2.0 for the second time.
3. **ACADEMIC SUSPENSION**
   Student's cumulative GPA falls below 2.0 for the third time.

Students will receive a letter from Academic Advising notifying them of their academic status. A registration hold may be placed on their record. Procedure for clearing the hold will be outlined in the letter.

SLCC takes pride in giving personal assistance to students in their efforts to maintain satisfactory progress in their academic pursuits. Problems ranging from academic to personal may be discussed with faculty, division chairs, executive deans and/or student services personnel.

The emphasis of the Academic Standards Policy is to assist students in developing reasonable academic objectives and satisfactory completion of the students' personal and educational goals.

PRESIDENT'S LIST, DEAN'S LIST AND HONORS GRADUATES

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 GPA in 15 or more credits. Students who complete coursework with a cumulative grade-point average between 3.5 and 3.78 will be awarded Honors at graduation. Students who complete coursework with a cumulative grade-point average of 3.8 or above will be awarded High Honors at graduation.

TUITION AND FEES

Important deadlines for undergraduate (UG) registration and payment of undergraduate (UG) tuition/fees will be published each semester in Class Schedules. Tuition and fees rates for the 2004-2005 academic year are as follows:

2004-2005 TUITION AND FEES

CREDIT HOURS	RESIDENT TUITION/FEES	NON-RESIDENT TUITION/FEES	APPRENTICESHIPS TUITION/FEES BY CLASS
1	$ 194.00	$ 482.00	$ 97.00
2	277.00	747.00	133.00
3	360.00	1012.00	169.00
4	443.00	1,277.00	205.00
5	526.00	1,542.00	241.00
6	609.00	1,807.00	277.00
7	692.00	2.072.00	313.00
8	775.00	2,337.00	349.00
9	858.00	2,602.00	385.00
10	941.00	2,867.00	421.00
11	1,014.00	3,122.00	457.00
12-18	1,087.50	3,337.00	493.00
19	1,135.00	3,545.00	517.00
20	1,183.00	3,713.00	541.00
21	1,231.00	3,881.00	565.00

Approval to register for more than 20 hours per semester must be obtained from the appropriate division chair governing the student's academic major. For summer term only, all undergraduate (UG) students are charged tuition at the resident tuition rate regardless of residency status.

NOTES:

- A $50 Late Fee is charged after the last day to drop with 100% refund. See class schedule for the date on which Late Fees will be applied.
- 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.

NON-RESIDENT FEES

Non-residents of Utah are required to pay a special fee. Living in Utah merely to attend SLCC does not constitute resident classification. To qualify as a resident, an adult must live in Utah for 24 con-

tinuous months before the start of an academic semester for which registration as a resident student is requested, present objective evidence of intent to become a permanent resident of Utah and abandon residence elsewhere.

Any student who chooses to attend SLCC before meeting the 24 month residency requirement will be classified as a non-resident and will be required to complete 60 semester hours, earned at a regionally accredited Utah institution of higher education, before receiving resident status (time in state notwithstanding).

The Utah Legislature passed HB 144, November 2002, which amends the Tuition Waiver Policy. The revised policy exempts students defined as non-immigrant aliens under federal law from paying the non-resident portion of total tuition. 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.

An Application for Resident Classification and a pamphlet outlining the rules and regulations that determine resident status are available from Enrollment Services offices or online at www.slcc.edu. Students on visas are always considered non-residents.

At the time application for admission is made, students are classified as either resident or non-resident. Under certain circumstances, classification as non-resident may be appealed. For more information about the appeal process, call Enrollment Services at (801) 957-4298.

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 not mailed.

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.

Tuition payments may be made by published deadlines (see mypage.slcc.edu or class schedule for dates) using any of the following methods:

CREDIT/DEBIT CARD PAYMENTS

SLCC accepts Visa and Visa Debitcard, Mastercard, Discover and American Express. Pay with credit/debit card using one of the following options:

- ONLINE: MYPAGE.SLCC.EDU
- MAIL: SALT LAKE COMMUNITY COLLEGE
  CASHIERING OFFICE
  P.O. BOX 30808
  SALT LAKE CITY, UT 84130-0808

Mail-in forms available online in MyPage or in current class schedules. Credit card payments can also be made in-person at any Cashiering Office. To be valid, all credit cards must be signed when presented in person.

CHECK PAYMENTS

SLCC accepts bank-imprinted checks only, no two-party or counter checks. Checks must be RECEIVED in a Cashiering Office by payment deadline. Checks should be written for exact amount due and include student's Social Security number or College ID number on the front of check. Pay with check using one of the following options:

- MAIL: SALT LAKE COMMUNITY COLLEGE
  CASHIERING OFFICE
  P.O. BOX 30808
  SALT LAKE CITY, UT 84130-0808
- DROP BOX AT REDWOOD, SOUTH CITY, JORDAN, MILLER AND SANDY LOCATIONS
- CASHIERING OFFICE AT REDWOOD, SOUTH CITY, JORDAN, AND MILLER LOCATIONS (AND DURING LIMITED DATES AT SANDY CAMPUS)

A minimum $20 service fee is charged on all returned checks (see Dishonored Checks below).

CASH PAYMENTS

Cash payments must be made in person at Cashiering Offices. **Do Not** mail or use drop boxes for CASH payments.

INSTALLMENT PLAN

SLCC offers a Student Term Installment Loan (STIL) to qualified students. Approved students can pay a down payment and defer the balance with two, three or four monthly payments depending on the length of the session. Requirements, instructions and applications are available online at: mypage.slcc.edu and in current class schedules. A non-refundable application fee is required.

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 Cashiering Office. To avoid Late Fees, students are responsible for coordinating timely payment of their tuition by their sponsor(s).

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 collected through the Accounts Receivable Office. Students are charged a $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 Revenue Services Department after settlement of all charges related to the dishonored check. 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.

COLLECTION FEES

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 returns; 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 remove himself from the class roster. Failure to officially drop classes not attended will result in failing grades and tuition due the College. Failure to officially drop may lead to garnishment of a student's State of Utah tax refund to recover unpaid tuition and fees.

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

If the student chooses to drop a class after the last day as published to drop for the session, the action is considered a 'withdrawal' and no adjustment of tuition will be made.

If the student chooses to drop a class on or before the last day as published to drop for the session, 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.

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

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.

REFUND SERVICES

The Revenue Department begins processing of refund checks after the last day to drop classes for each term. If a student pays for tuition by cash or check, refund checks are mailed to the student's local address. Students are responsible for maintaining a current address with Salt Lake Community College. Contact the Data Center at (801) 957-4209 or (801) 957-4283 to make address changes.

Emergency refunds may be requested from the Revenue Services Department with the approval of the Revenue Manager. If the initial payment was by check, proof that the check has cleared the bank must be submitted with the request. If the initial payment was by credit card, the refund will be credited back to the payee's credit card account.

SHOP CARDS ARE NON-REFUNDABLE.

FINANCIAL AID & SCHOLARSHIPS

Financial aid applications are available online at www.slcc.edu and from Student Services at Redwood and Jordan Campuses and Sandy Center.

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

FEDERAL AND STATE NEED-BASED 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). A paper version of the FAFSA is available at the Financial Aid Office as well as most high school counseling centers after January 1 each year or 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 at the SLCC Financial Aid Office 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 $400 to $4,050 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 $600, dependent upon funds available and degree of need.

3. LEVERAGING EDUCATIONAL ASSISTANCE PARTNERSHIP PROGRAM (LEAP)
Available to Utah resident undergraduates who demonstrate financial need.

AMOUNT: $100 to $600, dependent upon funds available and degree of need.

4. 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 $600, dependent upon funds available and degree of need.

5. UTAH CENTENNIAL OPPORTUNITY PROGRAM FOR EDUCATION (UCOPE)
Available to Utah residents demonstrating financial need. Funding contingent on Utah Legislature.

AMOUNT: $100 to $600 dependent upon need and funds available.

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 (minimum of 6 credit hours). The College participates in three federal loan programs: the Federal Perkins Loan; the Federal Stafford Student Loan; and the Federal PLUS program for parents of dependent students. In addition to these federal programs, SLCC provides a short-term emergency loan fund. By institutional policy, loans are not awarded retroactively.

1. FEDERAL PERKINS LOAN
Available to students with demonstrated financial need.

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 STAFFORD STUDENT LOAN (SUBSIDIZED)
Available to students with demonstrated financial need.

Provided by lending institutions, such as banks or credit unions and guaranteed by the federal government.

AMOUNT: For students who have completed the first 30 hours of their academic program, the maximum that can be borrowed is $2,625 per year. Students who have successfully completed 31or more hours of their academic program may borrow up to $3,500 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 by the lender. The lending institution or 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 lender or 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 3.1% above the 91-day Treasury Bill rate established on the preceding June, but may change after July 1, 2004.

NOTE: New borrowers may qualify for partial repayment of Federal Stafford Loans in return for certain types of teaching or health services. Contact lender for further information.

For borrowers with an outstanding balance on a loan disbursed before July 1, 1988, the interest rate is 8%. For borrowers with an outstanding balance on a Stafford Loan disbursed after July 1, 1988, but before October 1, 1992, the interest rate is 8% for the first four years of the repayment period and 10% thereafter.

First-time Federal Stafford Loan borrowers must complete a computerized loan debt counseling session before receiving their first disbursement. Students must complete an exit interview before the end of their loan period or at any time they drop below half-time enrollment. Release of funds to first-time borrowers cannot occur until the 30th day of enrollment in the loan period. Students with a prior Stafford Loan at SLCC may have their funds released if satisfactory academic progress has been verified and the students are enrolled for the correct number of credit hours. Loans that are received for one term only must be disbursed in two equal amounts: one at the beginning of the terms and one at midterm.

3. FEDERAL STAFFORD LOAN (UNSUBSIDIZED)
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 subsi-

dized Stafford before eligibility for an unsubsidized loan is determined. Provided by lending institutions such as banks or credit unions.

AMOUNT: May not exceed cost of education less other aid. The maximum annual amount is $2,625 or $3,500, depending upon number of hours completed. (See information under subsidized loan.)

An additional unsubsidized loan of up to $4,000 may also be available. Additional requirements apply and students must complete a separate application, collect documentation 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 by the lender. The lending institution or the loan servicer will supply details.

The interest rate on an unsubsidized Stafford Loan is variable, based on Treasury Bill rates plus 3.1%, but currently may not exceed 8.25%. The government does not pay the interest on an unsubsidized Stafford Loan. It may be accrued and capitalized or students may pay it while in school. Loans that are received for one term only must be disbursed in two equal amounts: one at the beginning of the terms and one at midterm. The 30-day delay for first-time borrowers also applies to unsubsidized Stafford Loan borrowers.

4. FEDERAL PLUS LOAN
Available to parents of a dependent student. Provided by lending institutions, such as banks or credit unions.

NOTE: Lenders will require a credit check for prospecitve PLUS borrowers. PLUS dispersement checks will be made copayable to parent(s) snd SLCC. Parental endorsement must be obtained before SLCC endorsement and subsequent dispersement can be made.

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 lender 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 EMERGENCY LOANS
Available to students who have completed at least 12 credit hours at SLCC and have a cumulative GPA of 2.0 or higher. 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

Most 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 3/4 time (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.

DIVERSITY (NEW STUDENT)
This award is designed to increase diversity on campus to enrich the educational experience of all students. Selection is based on grade-point average, ethnic background, letters of recommendation and activities. Recipients of this waiver must participate in peer leadership program and/or other student organizations related to diversity. Submission deadline varies by term.

DIVERSITY (CONTINUING STUDENT)
This award is designed to increase diversity on campus to enrich the educational experience of all students. Selection is based on GPA, ethnic background, letters of recommendation and activities. Recipients of this waiver must participate in peer leadership program and/or other student organizations related to diversity. Application deadline is May 1.

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 Athlectic Department (Redwood Campus, LAC 20).

NON-RESIDENT
Available to outstanding non-Utah resident students. Applications considered throughout the year. This waiver covers the resident tuition amount only.

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 Fianacial Aid office or online at www.slcc.edu.

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

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 $300–$500 per semester. Applications are available in early spring at the Financial Aid Office or online at www.slcc.edu. Application deadline is May 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. 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.

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.

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 Redwood, South City, Jordan or Sandy locations.

APPLYING FOR FINANCIAL AID

APPLICATION PROCESS

To apply for financial aid, students must:

1. Complete the Free Application for Federal Student Aid (FAFSA), school code 005220, and send it to the processor. The FAFSA is available at the Financial Aid Office and most high school counseling offices or may be submitted via Internet at www.fafsa.ed.gov

2. Complete the College financial aid Fact Sheet and submit it to the Financial Aid Office. To be considered for a Federal Stafford or Perkins Loan, students must complete an Additional Loan Application available from 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.

5. Have earned a high school diploma, a GED or a passing gradeon an ability to benefit test.

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:

FALL SEMESTER 2004	APRIL 1, 2004
SPRING SEMESTER 2005	SEPTEMBER 1, 2004
SUMMER TERM 2005	MARCH 1, 2005

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 Fianancial Aid office.

If eligible, the student will be awarded and a letter will be sent to inform him/her of the amount of aid. After classes begin, the aid can be processed. 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.

There are usually responsibilities which accompany receiving student aid. As a rule, students are expected to complete at least 70% of their classes each term and to maintain a minimum grade point average (GPA) of 2.0. 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. The two main sources of financial aid are federal and state aid and scholarships awarded by the College or by private donors and organizations.

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) and a quantitative measure, determined by comparing attempted credits versus earned (or completed) credits within a maximum time frame. 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.

Students are allowed 150% of the published number of credit hours required for graduation in which to complete their programs of study. For example, a student whose program requires 65 hours would have approximately 95 credit 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 for which a grade of withdraw (W), incomplete (I) 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. Required prerequisite course hours also will be added to the maximum allowed. Transfer hours 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, students who are allowed a maximum of 95 credit hours and who have 25 transfer hours applicable to his/her program of study at SLCC will be eligible for funding for no more than 70 credit hours, reflecting the deduction of the 25 transfer hours from the maximum allowed of 95 credit hours.

To ensure consistent progression toward graduation, students must satisfactorily complete a minimum of 70% of attempted credit hours with cumulative GPA or 2.0 or better. Academic progress will be monitored each term. Students whose academic performance appears to be falling below this academic standard may receive a warning letter. Students who do not maintain a 70% completetion rate with a minimum cumulative GPA of 2.0 for two consecutive terms 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 due to a cumulative GPA below 2.0 is termination of aid for at least one term or until the student has achieved satisfactory completion of 70% of enrolled hours with a minimum cumulative GPA of 2.0. Further aid is not awarded until this has been accomplished.

APPEAL PROCESS

Students may appeal to the Financial Aid Appeal Committee for an extension of maximum allowed hours or for a waiver of requirements for attendance/completion of a term 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 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 the Dean of Student Administrative Services.

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

FINANCIAL AID OVER-PAYMENT 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. If extenuating circumstances can be shown to have caused for the drop in hours, the repayment requirement may be waived.

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 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 students 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;

3. Pay the $20 graduation fee at the Courtesy Desk or Cashier's Office. A separate application and fee are required for each one-year certificate, diploma or degree sought.

GRADUATION REQUIREMENTS
To be eligible for graduation from SLCC, students must:

1. Apply for graduation at least one semester or term before intending to complete graduation requirements, and by the priority deadline published in the class schedule.

2. Maintain a 2.0 cumulative GPA on all course work.

3. Take 25% of required credits directly from Salt Lake Community College.

4. Qualify for a one-year certificate, a diploma, or a degree as outlined in this catalog.

ACADEMIC RENEWAL POLICY
For various reasons, some students find themselves in a position of being unable to graduate because their GPA is below the minimum required. Although students have the option of repeating classes to raise the GPA, there are certain situations where doing this would be impractical and/or would prove to be a hardship.

Failing grades will not be used in computing the grade-point average for graduation if students select majors, fail in those majors, but subsequently complete all requirements for diplomas, certificate, associate of applied science degree, associate of science degree, or associate of arts degree in a different major.

Students should be aware that the Academic Renewal Policy is an internal policy only. Grades will not be removed from transcripts or changed in any way. Those who wish to use the Academic Renewal Policy should make written request to Enrollment Services.

STANDARD SUBSTITUTIONS AND SUBSTITUTION GUIDELINES
Students requesting a substitution should see an academic advisor. Some course substitutions may require approval by department or division chair.

GRADUATION CERTIFICATES
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.

TRANSCRIPTS
The permanent record (transcript) of each student's academic achievement is maintained by Enrollment Services. Skills Center records are available only from the Skills Center at South City Campus. Copies of transcripts are available upon signed, written request by students. Transcript request forms are available at the Redwood Campus Student Center Courtesy Desk, Enrollment Services offices at Redwood, South City and Jordan Campuses, and Student Services at Sandy Center. The cost for each transcript is $4. Any financial obligation owed to the College must be cleared before a transcript can be released. A transcript will be released only to: (a) the student; or (b) an individual designated by the student in writing. A picture ID will be required for those obtaining transcripts in person.

COLLEGE POLICIES

UNSCHEDULED COLLEGE CLOSURES
Information Hotline - (801) 957-INFO (957-4636)

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, call the information hotline listed above. Information is posted to this hotline as soon as any decisions affecting class status are made and the recording 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 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 sudent enrollment. 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
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
E-mail address

TO WITHHOLD THE RELEASE OF DIRECTORY INFORMATION

Students 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 online or in-person 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

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) 957-4212.

***DEFINITIONS:**

Title I - American Disabilities Act
Title VI - Civil Rights Act
Title VII - Civil Rights Act
Title IX - Educational Ammendments 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. 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 infomation 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

The Student Code of Conduct governs the behavior of our student body and is for student use. The purpose of a published Code of Conduct is to state the specific authority and responsibility of the College in maintaining social discipline, outline the process for a legitimate grievance, and establish the proper procedures to be followed to ensure "due process," which protects accused students from unfair imposition of penalties and sanctions. The Code outlines the specific rights which students are guaranteed and the responsibilities students have as a community member. 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 the Courtesy Desk in the Student Center or from the Office of Student Life and Leadership (SC140), Redwood Campus. Students also may request printed copies from Student Services offices at all other SLCC locations. The Student Code is also available online in MyPage under the School Services tab.

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.

AUTHORITY AND RESPONSIBILITY

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 various judicial bodies and administrators. All procedures followed and decisions made by authorized hearing officers and bodies are subject to Vice Presidential and Presidential review. SLCC reserves the right to take any necessary and appropriate action to protect the safety and well being of the campus community.

DUE PROCESS

The 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 consquences 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).

All hearings are closed to the College community unless students charged request an open hearing. Closed hearings are to ensure the fullest measure of confidentiality. All students involved in hearings may request that the Dean of Students refer the case to an even

smaller ad hoc administrative hearing if the sensitive nature of the case so warrants.

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 straightforward 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.

Forms of academic dishonesty include cheating, which is defined as presenting the work of other students as one's own or assisting another student to do so in the classroom, lab, or the Assessment Center. Cheating also may occur when a student violates the conditions governing an examination such as using oral, written, visual, or other forms of communication intended to give or receive improper assistance. Other examples of cheating are listed in the Student Code.

Other forms of academic dishonesty include, but are not limited to: misrepresentation, which is the deliberate falsification of information substituted in place of the truth; collaborating or aiding out-of-class work, when prohibited by the instructor; plagiarism, which is using another person's ideas, evidence, or words, or conveying the false impression that the arguments and writing in a paper are the student's own.

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; the encroachment of computer resources or any attempt to break, or override the security of the College computers.

Other violations of academic policy considered as academic dishonesty include removing materials from the library without proper authority, infringing on the rights of other students to fair and equal access to academic resources, duplicating course materials expressly forbidden by the instructor, using tape recorders or other recording devices in a classroom when not specifically authorized to do so by the instructor, and ignoring or willfully violating class or laboratory instructions or policies.

ACADEMIC AND CAREER ADVISING

ASSESSMENT AND TESTING

CENTER FOR LANGUAGES

CHILD CARE/ECCLES EARLY CHILDHOOD DEVELOPMENT LAB

CASHIERING

COLLEGE STORE (BOOKSTORE)

COMPUTER ACCESS

CONCURRENT ENROLLMENT

COPY CENTERS

DISABILITY RESOURCE CENTER

ENROLLMENT SERVICES

*e*EDUCATION SERVICE CENTERS

FINANCIAL AID ASSISTANCE

FOOD SERVICE

HEALTH AND WELLNESS SERVICES

HOUSING

INSURANCE

INTERNATIONAL EDUCATION

THE LEARNING CENTERS

LEARNING RESOURCES LIBRARY/MEDIA

MULTICULTURAL INITIATIVES CENTER

'MYPAGE' ONLINE SYSTEM

'ONECARD' ID CENTERS

PARKING SERVICES

RECREATIONAL AND ATHLETIC FACILITIES

STUDENT CENTERS

STUDENT EMPLOYMENT AND COOPERATIVE EDUCATION

STUDENT EMPLOYMENT SERVICES

STUDENT LIFE

THAYNE CENTER FOR SERVICE AND LEARNING

TRIO PROGRAMS

UNIVERSITY CENTER

VETERANS' AFFAIRS OFFICE

ACADEMIC AND CAREER ADVISING

Redwood Campus, Student Center - (801) 957-4978
South City Campus - (801) 957-3361
Sandy Campus - (801) 957-3717
Jordan Campus - (801) 957-2680

The Academic and Career Advising office assists students in making decisions and developing educational and career plans, taking into account their personal strengths and goals. Advising is an on-going process of evaluation aimed at helping students effectively utilize the many resources available to them at SLCC.

Knowledgeable academic and career planning advisors are available to assist students with accurate advising regarding:

- Career and vocational information
- Selection of college major and major changes
- Degree program and course selection
- Class scheduling
- Degree requirements
- Graduation audits
- Transfer of credits from other institutions
- Transfer of SLCC credits to other institutions
- College credit for work experience

Advisors provide interest and personality assessments for career choice, as well as interpret placement scores for mathematics and English classes. Advisors also direct students to other important resources on campus and in the community.

The Advisors and the General Advising Office is located in the Student Center at Redwood Campus, SC240. Call (801) 957-4978 for further information about Advising services or to make an appointment.

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

African American	(801) 957-6065
Polynesian	(801) 957-6066
Asian	(801) 957-4447
Hispanic/Latino(a)	(801) 957-4446
American Indian	(801) 957-4407

For further information, call (801) 957-4592

'STUDENT EXPRESS'

Located on the second floor of the Student Center at the Redwood Campus, Student Express can provide information regarding admissions, interpretation of Computer Placement Test (CPT) scores, selection of classes, registration, financial aid, and other basic student questions. Students undecided about a major, needing help with career advising or general education requirements will be referred to an advisor.

ADVISING SERVICES FOR STUDENTS WITH DISABILITIES

Students with disabilities seeking academic advising or accommodations can 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 the International Student Services (ISS) office. Further information is provided in this Catalog under International Education.

ADVISING SERVICES FOR SLCC STUDENTS TRANSFERRING TO OTHER INSTITUTIONS

Many students attend SLCC with the intention of transferring to another college or university. The Career and Transfer Center has resources such as college reference guides, catalogs, applications, major information, articulation agreements for Utah schools, and web access 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 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.

CAREER PLANNING SERVICES

Many beginning college students have difficulty selecting a major.

Choosing an appropriate major requires making a well-informed decision. The Career Center in the Advising office supports students through the career decision-making process. Resources provided include:

- Career encyclopedias
- Occupational briefs
- CHOICES (a career exploration computer program)
- Career assessments to determine individual career preferences
- Workshops exploring and developing career skills and strategies

For further information about Career Center services, visit any Advising office or call (801) 957-4978.

ASSESSMENT AND TESTING

Redwood Campus, AC (Portable #3) - (801) 957-4269
Jordan Campus, HTC 202 - (801) 957-2606
South City Campus, W128 - (801) 957-3284

COMPUTERIZED PLACEMENT TESTING

Students wishing to enroll in mathematics or English classes at SLCC must complete the Computerized Placement Test (CPT) **before** registering for these classes. The SLCC Assessment/Testing Centers at Redwood, South City and Jordan campuses administer the CPT each weekday on a walk-in basis. No appointment is necessary. A photo ID is required to take the test. The CPT is untimed; students may take as much time as needed to complete the test. The CPT is not graded on a pass/fail basis. CPT test scores are used for class placements. Re-tests are limited to one per semester.

Recent ACT scores (less than two years for English and less than one year for math) may be used in place of the CPT for class placements. Students who have taken the ACT recently should bring their scores to an Enrollment Services office for evaluation. Transfer students with recent math or English credit from another institution may be eligible for a waiver of all or part of the placement testing requirements. Transcripts are reviewed as part of the transfer student acceptance process and students are notified by mail if their placement testing is waived.

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 Examination in this Catalog section.

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 Redwood Assessment Center at (801) 957-4269 for further information.

CENTER FOR LANGUAGES

Redwood Campus, TB 418 - (801) 957-6057
http://www/slcc.edu/languages

The Center for Languages uses technology to promote language learning, teaching and research. It is dedicated to helping students develop communicative skills in the target language through audio/video language learning programs and computer-based language programs:

TUTORING

The Center for Languages offers free tutoring in almost 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/ ECCLES EARLY CHILDHOOD DEVELOPMENT LAB SCHOOL

Redwood Campus - (801) 957-4567

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. Currently, child care is not available at any other SLCC location. For more information about preschool sessions, visit www.slcc.edu.

CASHIERING

Redwood Campus, SC 055 - (801) 957-4868
South City Campus, W156 - (801) 957-3306
Jordan Campus HTC 154 - (801) 957-2630
Sandy Center - (801) 957-3727
Miller Campus - (801) 957-4107

Payments for tuition, fees, day care and most other charges are accepted at the Cashier's Office. Cashiering is open weekdays between 8 a.m. and 4:30 p.m.; closed on regularly-scheduled holidays. Extended hours are provided during rush periods. These hours are posted at each Cashier's Office.

Students registering for classes or making class changes are required to report to the cashier to have tuition payments or credits processed. Payments or credits include authorizations sent to the College by various sponsors, VA authorizations, and financial aid recipients. Tuition payments may be made by credit card by going online to www.slcc.edu and clicking on StudentNet. Refund and financial aid checks are mailed to student's local address.

COLLEGE STORE (BOOKSTORE)

Redwood Campus, Student Center - (801) 957-4045
South City Campus, E123 - (801) 957-3328
Sandy Center - (801) 957-3726
Jordan Campus, HTC 131 - (801) 957-2620
www.slcc.edu/bookstore

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.

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

Redwood Campus, ATC 228 - (801) 957-4760
www.slcc.edu/schools/cce/ce

COLLEGE CREDIT IN HIGH SCHOOL

A concurrent enrollment class is a college-level class offered to high school senior and junior 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.

Courses are also available through *e*Education, where classes are taught by college instructors via the Internet, EDNET, KULC and video checkout.

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 $35 admission application fee. Because school districts support the cost of instruction and facilities, concurrent enrollment classes at the high school are offered to students with no tuition charges. In contrast, students who attend courses at a College campus must pay all tuition and fees associated with their class(es).

EARLY ENROLLMENT

An alternative program to Concurrent Enrollment is Early Enrollment. Academically qualified high school juniors and seniors may attend **regular on-campus** SLCC classes while still attending high school. For further information regarding this program, see "Early Enrollment" found elsewhere in this catalog.

COPY CENTERS

Redwood Campus, AD 165 - (801) 957-4157
South City Campus, N121 - (801) 957-3301

The SLCC Copy Centers offer full-service and self-service options. Coin operated machines are available at: the Redwood Campus Student Center and Markosian Library (AD 165, AD west foyer, BB foyer, TB foyer, CT student lounge, AT foyer); South City Campus in the library and cafeteria; Meadowbrook Bldg. B student lounge; Jordan Campus library; and in the Sandy Center student lounge.

DISABILITY RESOURCE CENTER

Redwood Campus, SC 008 - (801) 957-4659 (Voice)
(801) 957-4646 (TTY)
South City Campus, W138 - (801) 957-3258
All other campuses - (801) 957-4659

The Disability Resource Center (DRC) provides numerous 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 meet with a DRC advisor, 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 re-evaluated each semester. DRC is also available for consultation, training and assistance to faculty, staff, and outside agencies.

DRC SERVICES

- Advising and Counseling
- 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
- Note-taking, reading, and scribing
- Alternative text services
- ADA information
- Advocacy

ENROLLMENT SERVICES

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

Redwood Campus, SC 220 - (801) 957-4298
Sandy Center, SA 101A - (801) 957-3727
South City Campus, W 138 - (801) 957-3350
Jordan Campus, HTC 160 - (801) 957-2680
www.slcc.edu

*e*EDUCATION SERVICE CENTERS

Redwood Campus, TB 216 - (801) 957-4406
Miller Campus, MPDC 110 - (801) 957-4406
http://www.slcc.edu/ecampus/

Staff at the eEducation Service Centers assist students with contacting instructors, faxing or mailing assignments, locating web sites, scheduling conferences, or anything else they might need to help them succeed in their eEducation coursework.

*e*EDUCATION

eEducation provides faculty, students and staff with state-of-the-art tools and processes that enhance their teaching and learning experiences. Faculty-driven courses from across the college are delivered in information-technology supported formats using broadcast television, videotape, DVD's and the Internet. Students interact with instructors and classmates in person, on the telephone, in online chat rooms and discussion boards, and through e-mail in a student-centric environment. The goal of all ***e***Education courses is to provide high-quality education at times and formats that meet individual student's needs.

FINANCIAL AID ASSISTANCE

Redwood Campus, Student Center - (801) 957-4291
South City Campus, Student Services Area - (801) 957-3352
Jordan Campus, HTB 160 - (801) 957-2682

For details about Financial Aid processes and requirements, see Financial Aid in the **Services and Resources for Students** section of the Catalog.

FOOD SERVICE

Redwood Campus, Student Center - (801) 957-4060
South City Campus, W115 - (801) 957-3415
Jordan Campus, HTC151 - (801) 957-2880

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 Redwood Campus Student Center features **Bruin Bites Food Court** with seven popular branded vendors, including: Chile Verde's Mexican Food, Hogi Yogi, Teriyaki Stix, Chef Tom's Pizza & Pasta, Golden Seas Chinese food, The Dog House and the Campus Diner. Formal and informal indoor seating and a spacious patio offer a variety of options to the diner.

Vending machines are also located at all campus locations.

The SLCC Food Service also provides complete banquet and catering services.

HEALTH AND WELLNESS SERVICES

Health Clinics:	Redwood Campus, SC 090 - (801) 957-4347
	South City Campus, W175 - (801) 957-3323
Prevention Office:	Redwood Campus, SC008 - (801) 957-4268

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, 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.

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

HOUSING

Students moving to Salt Lake City to attend SLCC should make advance arrangements for housing. The College does not have on-campus housing. While student services may assist in locating housing, SLCC cannot assume responsibility for securing facilities.

INTERNATIONAL STUDENTS HOUSING

A list of apartments is available through the International Student Services Office, (801) 957-4528.

INSURANCE

STUDENT ACCIDENT INSURANCE

Accident insurance is provided for students enrolled at SLCC. The policy provides limited supplemental coverage for accidental injury while attending a school sponsored activity. To file a claim, call Risk Management at (801) 957-4041.

INTERNATIONAL STUDENT INSURANCE

Although not required, the College strongly recommends that international students obtain appropriate hospitalization and health insurance through private sources while enrolled. Information about insurance providers is available through the International Student Services Office, (801) 957-4528.

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

Redwood Campus, Student Ceter 234
(801) 957-4528, FAX (801) 907-4432
South City Campus, E148E - (801) 957-4412

www.slcc.edu/iss, international.services@slcc.edu

The International Student Services Office 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 events
- Immigration-related document processing
- Foreign student/immigration advising
- Academic, cross-cultural and personal counseling
- Cultural programming

International Student Services presents workshops and programs on international issues to students, faculty, and staff, as well as answering questions relating to these students' needs and requirements. The ISS Office serves as liaison between SLCC and the Immigration and Naturalization 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

Redwood Campus, TB 319C - (801) 957-4732
www.slcc.edu/intl

SLCC arranges student and faculty exchanges, promotes international course development and supports Study Abroad.

Students and community members have the opportunity to participate in a variety of study abroad programs. Participants live and study in another country for a period from a few weeks to an entire semester. Students may choose to earn transferable college credit or to attend on non-credit basis for the cultural experience. Students electing to earn credits may do so in languages, social sciences, fine arts, humanities, business management and other fields. All participants gain valuable insights into other cultures and further their understanding of international issues.

THE LEARNING CENTERS

Redwood Campus: Learning Center, TB 213 - (801) 957-4172
Writing Center, AD 218 - (801) 957-4893
Computer Lab, AD 230 - (801) 957-4253
South City Campus, N308 - (801) 957-3261
Sandy Center, Annex 172 - (801) 957-3717
Jordan Campus, HTB 102 - (801) 957-2770

Learning assistance programs are offered through the Learning Center and are designed to help students be more successful in the classroom.

Many programs are offered, but not all services are available at all locations. Offerings vary from semester to semester. Please contact each Learning Center for specific details of times, dates, and offerings.

TUTORING/TUTOR REFERRALS

Free tutoring is available on a drop-in basis to all SLCC students. Subjects include math, chemistry, physics, biology, English and writing. The Conversation Lab assists students in mastering foreign languages, including English.

The Learning Center also connects students with qualified private tutors for most subjects. Tutor lists are offered as a service to students, but students must contact and pay private tutors individually.

MULTIMEDIA LEARNING TOOLS

Students who want to review or preview course work may use computer software in various courses.

WORKSHOPS AND GROUP STUDY

Several 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 concepts and suggest study skills necessary to be successful in those courses.

STUDENT WRITING CENTERS

Writing advisors work with all in-class writing 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 are available, as is assistance with word processing.

One-on-one or small group consultations are available and writers are encouraged to meet with an advisor at any stage in their writing project (from brainstorming to final editing). The Student Writing Center also holds special workshops on reading/writing topics, demonstrates in-class peer group work-shopping and distributes other writing-related materials (including material on documentation and research methods).

On the Redwood Campus, the Student Writing Center (AD 218) is housed separate from the Learning Center (TB 213). At the South City, Jordan and Sandy locations, the Student Writing Center is located within the Learning Center facility. For more information on Student Writing Center services, call (801) 957-4893.

LEARNING RESOURCES LIBRARY/MEDIA

Redwood Campus: Markosian Library - (801) 957-4195
Media Center - (801) 957-4199
South City Campus, Library/Media, E106 - (801) 957-3265
Jordan Campus, Library/Media - (801) 957-2661
Sandy Center, Library - (801) 957-3720
Meadowbrook Campus, Library - (801) 957-5834

See the following websites for hours of operation:
Library: http://libraryweb.slcc.edu/libraryweb
Media Center:
http://libraryweb.slcc.edu/libraryweb/media

The library system has 88,226 print books and 683 print periodical subscriptions, access to 76 electronic databases which include full-text articles and indexing/abstracting services, as wellas access to 6,300 e-books. The Media Center collection contains approximately 26,935 items for viewing, listening and watching. Telecourse videos also are available for checkout.

Library staff provides assistance with: research and reference questions; inter-library and inter-campus loans; and training to assist in using the library's resources and accessing the Internet. Patrons may access the library's online catalog and many of its electronic indexing and full text database services through any personal computer on campus or from their homes via the Internet. Visit the Library website for further information.

The Library also provides groups with study rooms, individual and group viewing areas, coin-operated copy machines and an art exhibit area, as well as a student computer lab and laptop computer checkout.

A current SLCC One Card ID is required to check out materials from SLCC Libraries and Media Centers

MULTICULTURAL INITIATIVES CENTER

Redwood Campus, SC 236E - (801) 957-4415
South City Campus, Student Services Area, E127 - (801) 957-4592

The Multicultural Initiatives Center is a vital resource for students from diverse communities as well as the entire College. The Center offers assistance in gaining access to SLCC's programs, contacts, and opportunities that promote diversity and multiculturalism. The Multicultural Center is located on the second floor of the Student Center within the Student Involvement Center.

The Multicultural Initiatives Office is committed to the promotion, implementation and enhancement of diversity and multiculturalism across the college campus. Staff addresses student, faculty and staff questions and concerns about issues such as: cultural/ethnic awareness; self-empowerment through education and access; diversity issues within the College's policy and procedures; and increasing community involvement in College activities.

In addition, the Center supports the work of Ethnic Advisors who meet with ethnic club members, high schools, and community groups to promote awareness of SLCC. The staff and advisors assist students, faculty, and staff at the College in understanding and welcoming diverse cultures attracted to and served by SLCC's unique environment. Advisors are available to provide special assistance to members of the following communities:

African American	(801) 957-4380
Polynesian	(801) 957-3349
Asian	(801) 957-4249
Hispanic/Latino(a)	(801) 957-4474
American Indian	(801) 957-4441

'MYPAGE' ONLINE SYSTEM

The MyPage online system is the easiest way to view the semester class schedule, register for classes and pay tuition/fees, as well as to learn about special services available to students. MyPage is a comprehensive website serving the needs of the SLCC community. Each student is also provided a MyPage email account for communication with faculty and staff. Students should log-in to MyPage well in advance of registration to check/forward their email account and familiarize themselves with the system.

Students are assigned a MyPage user name and password within 48 hours of application to the College. To obtain their MyPage user name and password, the new student should go to mypage.slcc.edu and click on "Get My Username and Password." Enter the requested information and MyPage login information will be displayed. Also e sure to check out other helpful links on mypage.slcc.edu: "About MyPage" and "MyPage Tutorials."

'ONECARD' ID CENTERS

Redwood Campus, SC Lower Level - (801) 957-4022
South City Campus, W175 - (801) 957-3407
Jordan Campus, Courtesy Desk - (801) 957-2600

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.
- Door access to selected areas.
- 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 offsite restaurant and vendor services.
- 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 assessment center.
- ID in conjunction with UTA EdPass.

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

PARKING SERVICES

Redwood Campus, AD 150D - (801) 957-4011
South City Campus, N103A - (801) 957-3307
Jordan Campus, HTC 154 - (801) 957-2630

PARKING PERMITS

Parking permits are required at Redwood Campus, South City Campus, and Jordan Campus. Parking permits are not required at other SLCC locations.

Student parking permits cost $20 for the entire academic year; $10 for a single semester.

ALL 2003-2004 STUDENT PARKING PERMITS EXPIRE AUGUST 31, 2004

To obtain a parking permit, drivers are required to present their current vehicle registration with proof of emissions test. A parking sticker will be issued with one vehicle registration/proof of emissions testing. A hangtag will be issued with two or more vehicle registrations with proof of emissions from both vehicles.

Parking sticker must be placed on the front windshield on the lower left hand corner of the driver's side. Sticker must be entirely attached with its own adhesive backing. Hangtags must hang from the rearview mirror with the permit number clearly visible from outside the vehicle. It is the driver's responsibility to park legally on all campuses and display a valid parking permit according to directions.

If a parking sticker or hangtag is damaged or destroyed during the course of the permit's year, a replacement permit will be provided at a cost of $1 if 75% of the original sticker/hangtag is returned to Parking Services. If 75% of the original sticker/hangtag cannot be salvaged, a new parking permit must be purchased.

PARKING METERS

Parking meters are available at all campuses for visitors paying the parking meter fee. For further information and campus maps, visit the Parking Services web page at http://parking.slcc.edu.

RECREATIONAL AND ATHLETIC FACILITIES

Redwood Campus, Lifetime Activities Center - (801) 957-5808
South City Campus, Gymnasium - (801) 957-4078

SLCC provides a variety of gymnasium and athletics facilities for students' personal and course-related use. The 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. South City Campus offers an Olympic-size heated swimming pool, fitness room and gymnasium.

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

STUDENT CENTERS

Student Information and Questions
Redwood Campus - (801) 957-4298
Jordan Campus - (801) 957-2670
South City Campus - (801) 957-3000

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 **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, Courtesy Desk, Contact Center, 'One Card' ID Center, Salt Lake City Credit Union, and the Student Center and Student Services administration offices.

The Student Events Center and patio, located on the west end of the 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.

The SLCC Food Service also provides complete banquet and catering services.

Vending machines, stamp machines, courtesy telephones, copy machines and two ATMs are also available in the Redwood Campus Student Center.

Meeting facilities and services are available for outside groups and reservation requests may be made through the Student Center administrative offices at (801) 957-4076.

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

The **South City Campus Student Services Living Room** provides an inviting central location where the full range of Student Services can be found. The Living Room is adjacent to South City's Food Services area and College Store.

STUDENT EMPLOYMENT AND COOPERATIVE EDUCATION

Redwood Campus, AD 195 - (801) 957-4014
South City Campus, N195 - (801) 957-4304
Jordan Campus, HTC 164B - (801) 957-4218
Miller Campus - (801) 957-4014
Meadowbrook Campus - (801) 957-4014
Sandy Center - (801) 957-4218

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 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 renumeration 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 semester class schedules. Students should contact a CO-OP Specialist or Student Employment Specialist to determine whether their current job qualifies them 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 assists students seeking employment with the following services:

- Development of employment opportunities for SLCC students;
- Updated listing of employer requests (job orders) posted in strategic areas throughout the Redwood Campus, South City Campus, Jordan Campus, and other training sites;
- 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 in MyPage or at www.slcc.edu/seces.

EMPLOYMENT SERVICES FOR TRADITIONAL STUDENTS

Traditional student employment services assist students in obtaining training-related and career employment. They also provide assistance to students in obtaining part-time and non-training-related employment. SLCC recognizes the need to prepare students by offering job seeking skills workshops.

EMPLOYMENT SERVICES FOR SPECIAL NEEDS STUDENTS

SLCC is committed to providing services to special needs populations. Through 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 OF INTERNATIONAL STUDENTS

International students may work part-time on campus (20 hours or less per week). Information on procedures for off-campus employment is available from the International Student Services Office.

STUDENT LIFE

ALUMNI ASSOCIATION

Redwood Campus, AD 144 - (801) 957-4838

The Alumni Association is governed by a Council comprised of former SLCC students, faculty representatives and members of the community. The purpose of the organization is to maintain a positive relationship between former students and the College. The Association sponsors special events to bring alumni back to campus several times per year. Regular correspondence is used to keep former students and the community aware of current issues and programs on campus. Each year the Association sponsors a Founders' Day event to recognize alumni and special friends who have made significant contributions to their professional fields and the College. The organization also offers discounts and special services for SLCC alumni.

ATHLETICS (GO BRUINS!)

Redwood Campus, Lifetime Activities Center (LAC) - (801) 957-4515
www.slcc.edu/athletics/athletics

SLCC Athletics sponsors men's and women's basketball, women's volleyball, men's baseball and women's softball, all known as the mighty Bruins. Volleyball and basketball games are played in the Lifetime Activities Center (LAC) at Redwood Campus. Baseball is played at the Cate Field at Jordan Campus. Softball is played at the SLCC softball diamond on 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 Dixie State College, Snow College, College of Eastern Utah, Colorado Northwestern, Southern Idaho, 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) 957-5808
Recreation Coordinator - (801) 957-5808
SCC pool, fitness center and extramural sports
Sport Clubs; Student Association - (801) 957-4015
SCC Pool - (801) 957-3268

Campus recreation opportunities include open recreation, extramural sports, and sport clubs.

OPEN RECREATION

Open recreation times are available at both Redwood and South City Campuses.

REDWOOD - LIFETIME ACTIVITY CENTER (LAC):
Strength Room
Fitness Center
Gymnasium
Raquetball Courts

SOUTH CITY
Gymnasium
Swimming pool
Fitness center

COMPETITION

Competitive team recreation opportunities are available in golf and tennis. These teams play a limited schedule against other Utah community colleges.

CLUBS

SLCC also provides competitive opportunities through Sports Clubs organized y studnets and their advisors:
Men's Volleyball
Soccer
Rodeo
Cheer Squad

STUDENT ASSOCIATION/STUDENT LIFE AND LEADERSHIP OFFICES

Jordan Campus, SP 202	957-2835
Redwood Campus, SC124	957-4015
South City Campus, E174	957-3434

All students who are registered and have paid their student fees are members of the Salt Lake Community College Student Association (SLCCSA). The elec-ted 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 room 202, Redwood Campus - SC124 and South City Campus - E174. Students are welcome to come in to any office and get involved with any of the boards or apply for Student Senate or just to learn more about Student Association. Activities and events are held at each campus. Volunteers are needed in all areas to assist in developing, implementing and promoting different activities.

EXECUTIVE COUNCIL

The Executive Council is made up of seven elected positions including; the SLCCSA President, the Executive Vice President who is over the Student Senate; the Fine Arts and Lectures Vice President over fine arts and lectures; the Clubs and Organizations over all student clubs and organizations; the Jordan Region Vice President who takes care of student needs at Jordan Campus, Sandy Center and the Miller Center; the South City Region Vice President who takes care of the students at South City Campus, Airport Campus and the Meadowbrook Center; the Redwood Activities Vice President over all activities at Redwood Campus. These positions are elected each Spring Semester.

STUDENT SENATE
The Student Senate is made of senators from three regions. Each region is allowed up to eight appointed senators per each 1,000 students in that region. Each fall they are re-appropriated based on the preceding Spring Semester. 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 ASSOCIATION LEADERSHIP ELIGIBILITY
SLCC students are invited to apply for any position on the many boards and committees of the Student Association. 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 office.

SLCCSA CLUBS AND ORGANIZATIONS
The Clubs and Organization office is housed in the Student Involvement Center at Redwood Campus SC 236 or 957-4094. The Student Association Students who are interested in joining or starting a club or organization are encouraged to talk with the Clubs and Organization Vice President. Club organizing information is also available at the Student Life and Leadership Offices at Jordan and South City. A list of already active clubs and organizations is available in any Student Life and Leadership Office and on www.slcc.edu website.

STUDENT SUPPORT SERVICES

Student Support Services (TRiO)
Redwood Campus, PO 3 – (801) 957-4089

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 works in partnership with students to accomplish goals and make the most of the college experience. Through a wide range of academic and personal support activities, students are assisted in determining their strengths and limitations, assessing their interests, and planning a systematic program of educational, social, and personal development. Services include:

- Proactive academic advising and educational planning
- Financial aid counseling and scholarship application assistance
- Small group and individual content tutoring
- Math and study skills workshops
- Transfer preparation and campus visits to four-year institutions
- Career exploration
- Information and referral to campus and community resources.

TRiO PROGRAMS ETS COLLEGE BOUND

Redwood Campus, PO 2 – (801) 957-4089
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 and Valley Jr. High, West Lake Jr. High, Kennedy Jr. High, Bryant Intermediate, North West Middle School.

THAYNE CENTER FOR SERVICE AND LEARNING

Redwood Campus, SC 232 - (801) 957-4555
www.slcc.edu/thaynecenter

The Thayne Center for Servcie and Learning connects students, faculty, and staff to the surrounding community through service. The Thayne Center serves as a resource for those interested in getting involved with local non-profit agencies. Some examples of projects: tutoring elementary school children with the America Reads program; donating blood; sponsoring food drives; planting trees; helping elderly home-owners with yard work; and participating in Alternative Spring Break trips. The SOS Club (Students Offering Service) also meets at the Thayne Center. Call today to find out how to become a member!

In addition, the Thayne Center works with faculty to develop service-learning classes that engage students in guided community service. The service- learning program can enrich students' education, increase civic awareness, and enhance the quality of life for the entire community.

SERVICE-LEARNING SCHOLARS PROGRAM

The Thayne Center also coordinates the Service Learning Scholars Program. Scholars complete 150 hours of community service and 10 credits of service-learning coursework. This includes one credit of an independent study course where students design an intensive service project that combines their academic and service interests. Upon graduating from the program, students have a Service-Learning Scholar designation on their transcript. Requirements also transfer to the University of Utah's Service-Learning Scholars program. For more information on this program, please contact the Thayne Center.

UNIVERSITY CENTER

Redwood Campus, PO 1 - (801) 957-4824
www.slcc.edu/schools/univc

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.

The University Center promotes student access to baccalaureate degrees and enhances students' transitions to 4-year programs by providing articulation guidelines, advising, information sessions, individualized support as needed, 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) 957-4858.

ASSOCIATE OF APPLIED SCIENCE/ HORTICULTURE

An Associate of Applied Science in Ornamental Horticulture, a collaborative project with Utah State University and SLCC is available.

BACHELOR OF SCIENCE PROGRAMS

Bachelor's degrees are available at SLCC from the following institutions:

WEBER STATE UNIVERSITY
- Criminal Justice
- Computer Science
- Construction Management

UNIVERSITY OF UTAH
- Nursing

CALIFORNIA STATE UNIVERSITY
- Environmental Technology Management (online)

UTAH STATE UNIVERSITY
- Ornamental Horticulture

FRANKLIN UNIVERSITY (ONLINE)
- Accounting
- Applied Management - Business Administration
- Computer Science
- Digital Communication
- Health Care Management
- Information Technology
- Management
- Management of Information Systems
- Public Safety Management

MASTERS PROGRAMS

The University Center facilitates the delivery of the following Masters programs at the Redwood Campus:

UTAH STATE UNIVERSITY
- Educational Technology (EDNET)
- Industrial Technology Education

Contact the University Center for further information, schedules and applications.

The University Center continually seeks new partnerships to provide SLCC students with additional educational opportunities in a wide range of fields. Details will be provided online via MyPage and campus postings as they become available.

VETERANS' AFFAIRS OFFICE

Redwood Campus, STC 272 - (801) 957-4289

Most degree and non-degree programs at SLCC are approved for veterans and other eligible persons who qualify for veterans educational benefits. Students should contact the Veterans Affairs Office to determine the qualification for benefits. The College Veterans Affairs Office answers questions about veterans education benefits, gives some educational counseling, and acts as the certifying office.

To qualify for educational benefits, students must choose a course of study and take only those courses required for graduation. The Department of Veterans Affairs (DVA) requires that all prior military and civilian education and training be evaluated to determine which may be used as credit towards graduation. Since the College will grant credit for HLA classes based on prior military service, DVA will not pay for HLA classes. DVA will not pay for courses that are audited, challenged, or for which a passing grade was previously received; the DVA will not pay for a class the second time if an incomplete (I) or extension (EX) grade was previously received.

Students are required to attend and make satisfactory progress in their courses to remain eligible to receive benefits, and will be asked to verify this attendance and progress to the College VA office. A grade point average of less than 2.0 for two consecutive semesters can suspend benefits until the reasons for the unsatisfactory progress are resolved.

Students using their veterans' educational benefits should verify their enrollment each semester with the College Veterans Affairs Office and immediately report any changes or interruptions in enrollment.

COMMUNITY WRITING CENTER

THE GRAND THEATRE

INTERNATIONAL CONTRACT TRAINING

MILLER BUSINESS INNOVATION CENTER

SALT LAKE REGION SMALL BUSINESS DEVELOPMENT CENTER

THAYNE CENTER FOR SERVICE AND LEARNING

COMMUNITY WRITING CENTER

511 W. 200 South, #100, SLC - (801) 957-4992
www.slcc.edu/wc/community, cwc@slcc.edu

Because effective writing offers a means for people to improve their lives, the SLCC Community Writing Center (CWC) supports the writing goals of out-of-school adults through individual assistance, a variety of writing programs, and collaboration with working alliances to identify ways to serve community writing needs. The CWC also provides opportunities for college students and the general public to contribute to the CWC mission.

The CWC develops writing workshops and projects in response to requests from community members. Examples include writing letters to public officials, developing memoir short stories, and the Diverse City Writing Series. The CWC also responds to the needs of community organizations by collaboratively developing writing workshops and extended writing projects for their clientele and/or staff. Organizations interested writing project opportunities should call or stop by the CWC or visit the website listed above.

The CWC helps writers with all types of writing, including resumes, letters, poetry, stories, and essays. Since writing with response from others helps develop effective writing skills, CWC staff meet with individuals to discuss their writing at any stage—beginning, drafting, revising. All members of the community are welcome to bring their writing to the Community Writing Center at any time during business hours or call for an appointment. Individual assistance is also available at several valley libraries and computer centers. The assistance is free and computers for word-processing are available. Volunteers and service-learning students are always welcome! Call the CWC for more information.

THE GRAND THEATRE

South City Campus - (801) 957-3322
http://www.the-grand.org/

The Grand Theatre is a 1,140-seat theatre featuring a full season of Broadway musicals, live orchestras and critically acclaimed Utah talent. It is dedicated to teaching, performing, presenting and viewing the fine arts.

Operating under the direction of the Salt Lake Community College, the Grand Theatre provides a cultural arts and entertainment center, housed at South City Campus. This unique facility has been provided to create artistic enrichment and enjoyment for SLCC students, faculty, staff and residents of Salt Lake City and surrounding region.

Each year, the Grand Theatre stages five productions, providing students and community members with practical training and opportunities to showcase their collective talents. Shows are cast through the audition process. From musical theater such as *Oklahoma* to classic comedies such as Y*ou Can't Take it with You*, all productions bring opportunities to perform, create and promote theater. Complementing the theater program are presentations by local, national and international artists..

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 community members, as well as to offer high-caliber stage presentations in a college environment at a reasonable cost to theater patrons.

As it moves into another season of quality theatrical production, the Grand Theatre remains one of the most accessible community theaters in the Western United States.

INTERNATIONAL CONTRACT TRAINING

Redwood Campus, TB319C - (801) 957-4280

SLCC provides training in a variety of fields through contractual arrangements with governments and corporations abroad. For further information about international contract training, contact International Contracts and Programs office at (801) 957-4775.

MILLER BUSINESS INNOVATION CENTER

Miller Campus, Bldg. 5 - (801) 957-5284 or (801) 957-5292

The Miller Business Innovation Center's mission is to be the flagship center of entrepreneurship in Utah by providing an all-encompassing network to training and education, resources, community and outreach programs, and links to institutional, city, state and federal government agencies.

The Miller Business Innovation Center runs a business incubator program housing start-up and young companies' business operations. The incubator program is designed to help new companies achieve high growth through an array of operational and educational services, along with business resources and networking opportunities. The Innovation Center includes 30,000 square feet of Class A and Class B office space which it makes available to selected companies at below-market lease cost.

The Miller Business Innovation Center also provides affiliate entrepreneurs across the State a variety of resources including educational and networking opportunities.

The Miller Business Innovation Center is made possible by a generous donation from Larry H. Miller.

THE SALT LAKE REGION SMALL BUSINESS DEVELOPMENT CENTER

Miller Campus Corporate Partnership Center
(801) 957-4654
(801) 957-3488 FAX
Salt Lake Small Business Development Center
Salt Lake Community College
9750 South 300 West, MCPC 201
Sandy, Utah 84070
http://saltlakesbdc.com

The Salt Lake Small Region Business Development Center (Salt Lake Region SBDC) is dedicated to helping small businesses achieve their goals of growth, expansion, innovation, increased productivity, management improvement and success. The center works to promote and assist small businesses in all stages of their development. 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. 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
- Marketing 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

THAYNE CENTER FOR SERVICE AND LEARNING

Redwood Campus, SC 232 - (801) 957-4555
www.slcc.edu/thaynecenter

The Thayne Center for Service and Learning connects students, faculty, and staff to the surrounding community through service. The Thayne Center serves as a resource for those interested in getting involved with local nonprofit agencies. Past projects have included: tutoring elementary school children with the America Reads program; donating blood; sponsoring food drives; planting trees; helping elderly homeowners with yard work; and participating in Alternative Spring Break service trips.

The Thayne Center works with faculty to develop service-learning classes that engage students in guided community service. The service-learning program enriches students' educational experiences, increases civic awareness, and enhances the quality of life for the entire community.

SLCC DONATIONS, PROJECTS, AND VOLUNTEERS

The Thayne Center also coordinates all service projects at SLCC. Organizations seeking SLCC student, faculty, and staff participation in a charitable or service project should contact the Thayne Center for assistance. Call (801) 957-4555 for details.

INSTRUCTIONAL PROGRAMS AND AREAS OF STUDY

INSTRUCTIONAL PROGRAMS AND AREAS OF STUDY

Salt Lake Community College is accredited by the Northwest Association of Schools and Colleges and is authorized by the Utah State Board of Regents to grant Associate of Science, Associate of Arts, Associate of Pre-Engineering, Associate of Applied Science degrees, Certificates of Completion, Diplomas, and Certificates.

page	Salt Lake Community College Instructional Programs and Areas of Study (Applicable degrees are indicated; where no degree is indicated, course(s) are offered in the subject)	Transfer Degrees[1]			AAS	AAS Emphasis	Certificate of Completion[2]	Diploma	Certificate[3]
		AA	AS	APE					
75	Accounting				x		x		
242	Accounting Clerk						x		
235	Adult Basic Education (Reading/Writing/Math)								
243	Air Conditioning/Heating/Refrigeration								x
76, 162	American Sign Language/Interpreting	x							
	Anthropology *see Humanities*								
	Apprenticeships *see Apprenticeship section*								
162	Arabic								
77, 80	Architectural Technology				x				
78	Architecture		x						
81, 83	CAD and Computer Graphics					x			x
79, 82, 83	Construction Management		x			x			x
82	Structural/Civil Design					x			x
235	Armed Services Vocational Aptitude Battery (ASVAB) Test Preparation								x
	Art *see Visual Art and Design*								
	Art History *see Humanities*								
	ASL/I *see American Sign Language/Interpreting*								
220	Auto Collision Repair/Paint Technology (Apprenticeship)				x				
84, 85, 215	Automotive and Related Technologies				x				
84	Automotive Collision Repair/Refinishing				x				
86	Automotive Collision Repair						x		
86	Automotive Refinishing						x		
87	Aviation Technology								
87, 88	Aviation Maintenance Technician				x			x	
88	Professional Pilot *(formerly Flight Technology)*		x						
89-92	Barbering/Cosmetology				x		x	x	
241	Basic Health Records						x		
92	Biology		x						
93	Biotechnology Technician				x				
220	Boilermaker JATC Technology (Apprenticeship)				x				
221	Boilermaker/Welder/Layout (Apprenticeship)				x				
221	Brick Mason Technology (Apprenticeship)				x				

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94-95	Broadcast Video/Audio Production (pending BOR approval[4])								
95, 97-98	Building Construction/Construction Management				x				
98	Cabinet Work/Concrete/Finish Carpentry/Framing								
96	Construction Management		x						
221	Building Maintenance Technology (Apprenticeship)		x		x				
98-101	Business	x	x						
101, 102	Business Management				x		x		
102	Logistics Management					x			
103	Production Management					x			
103	Small Business Ownership					x			
244	Carpentry and HazMat Removal - ESL								x
221	Carpentry Independent Technology (Apprenticeship)				x				
222	Carpentry JATC Technology (Apprenticeship)				x				
236	CDL Learner's Permit Preparation								x
222	Cement Masons JATC Technology (Apprenticeship)				x				
240 240	Certified Nurse Assistant Certified Nurse Assistant, Spanish to English								x x
127	Chemical Engineering			x					
104-106	Chemistry and Chemistry/Physical Science		x						
127	Civil/Environmental Engineering			x					
106-107	Communication		x						
107	Broadcast Journalism								
107	Broadcasting								
108	Interpersonal/Small Group Communication								
108	Organizational Communication								
107	Print Journalism								
108	Public Communication								
107	Public Relations								
108	Telecommunication (TV)								
128	Computer Engineering			x					
108,109	Computer Information Systems		x						
112	Personal Computing						x		
110	Computer Programming/Design					x			
111	e-Commerce								
112	Integrated Systems Specialist								
112	Computer Science		x						

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239	Computer Support Specialist (A+ Certification)						x		
236	Computer Technology Basics								x
126	Consumer Electronics								x
	Cosmetology, *See Barbering/Cosmetology*								
114-116	Criminal Justice		x		x				
222	Culinary Arts (Apprenticeship)				x				
242	Customer Service/Receptionist								x
148	Dance *(see Fine Arts)*								
242	Data Entry for Medical Billing						x		
116-118	Dental Hygiene				x				
118	Developmental Education								
235	Developmental Reading/Writing/Math								
235	Learning Enhancement								
140, 236	English as a Second Language (Levels 1- 4)								
119-120	Diesel Systems Technology *(formerly Heavy Duty Mechanics)*				x				
223	Diesel Systems Technology (Apprenticeship)				x				
244	Diesel Systems Technology (Skills Center)						x		
207	Digital Media Institute								
207	Digital Media Presentations								x
207	Digital Videography & Production								x
207	Digital Media Technology								
208	Digital Media Foundations								x
208	Digital Multimedia								x
208	e-Commerce Design								x
208	e-Learning Technology								x
208	Web Site Management								x
208	Dreamweaver Development								x
208	Flash Design								x
208	Flash Development								x
208	CISCO Networking Technology								x
209	Microsoft Server Administration								x
209	Microsoft Server Engineering								x
120-122	Economics		x						
122, 124	Electrical and Instrumentation Technology				x		x		
122	Electrical Technology				x		x		
123	Instrumentation Technology				x				
129	Electrical Engineering			x					

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224	Electrical Independent Technology (Apprenticeship)				x				
126	Electronic Assembly								x
237	Electronics Assembly Technician								x
224	Electronics and Computer Technology (Apprenticeship)				x				
124-125	Electronics and Computer Technology								
239	Computer Support Specialist (A+ Certification)						x		
126	Consumer Electronics								x
126	Electronic Assembly								x
237	Electronics Assembly Technician								x
126	Electronics Technician						x		
125	Electronics Technology		x		x				
239	Linux Network Adminstrator						x		
239	Linux Support Specialist						x		
238	Network Administrator (MCSA)						x		x
238	Network Engineer (MCSE)						x		
240	Technical Support Skills (Projects w/Industry - special eligibility requirements apply)								x
238	Electronics Technician						x		
125	Electronics Technology		x		x				
126-132	Engineering								
127	Chemical Engineering			x					
128	Civil/Environmental Engineering			x					
128	Computer Engineering			x					
129	Electrical Engineering			x					
130	Manufacturing Engineering			x					
131	Materials Science Engineering			x					
131	Mechanical Engineering			x					
132-137	Engineering Design/Drafting Technology		x		x				
135	CAD/CAM Engineering Technology		x						
136	Engineering Drafting Technology						x		
137	Machining Technology (pending BOR approval[4])						x		
133	Manufacturing Engineering Technology		x						
134	Mechanical Engineering Technology		x						x
194-195	Surveying				x				
137-139	English	x	x						

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236	English-As-A-Second-Language Levels 1-3 *(Skills Center)*								x
140	English-As-A-Second-Language Level 4 *(Developmental Ed)*								
	Environmental Geology *see Geosciences*								
	Environmental Health and Safety *see Continuing Education*								
141-142	Environmental Technology		x				x		
142-145	Family and Human Studies		x		x		x		
145	Child Development Associate Credential								x
209	Fashion Institute								x
225	Field Machinist Technology (Apprenticeship)				x				
	Film *see Fine Arts*								
145-146	Film Production Technician (pending BOR approval[4])				x				
146-148	Finance and Credit				x		x		
148-149	Fine Arts - Dance, Film, Fine Arts, Theater								
	Fine Arts - Music, *See Music*								
149-150	Fitness Technician								
150	Personal Trainer Emphasis				x				
150	Group Exercise Instructor Emphasis				x				
	Flight Technology, *See Aviation Technology/Professional Pilot*								
162	French								
237	GED Test Preparation *(in Skills Center and Continuing Ed)*								
209	Genealogy *(*from Heritage Genealogical College)*						x*		
243	General Clerk						x		
151-152	General Studies		x						
	GIS, Geographic Information Systems *see Geosciences*								
	Geography *see Geosciences*								
	Geology *see Geosciences*								
152-154	Geosciences								
152	Environmental Geology		x						
153	Geography		x						
162	German								
154-155	Health and Lifetime Activities								
155-156	Health Science		x						
241	Health Unit Clerk/Coordinator								x
225	Heating, Cooling and Refrigeration Technology (HVAC) (Apprenticeship)				x				
156-157	Heating, Ventilation, and Air Conditioning (HVAC)				x		x		

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	Heavy Duty Mechanics, *see Diesel Systems Technology*								
157-158	History	x							
226	Hospitality Management (Apprenticeship)				x				
159-160	Humanities	x							
226	Independent Electrical Contractors (Apprenticeship)				x				
226	Industrial Maintenance and Repair Tech. (Apprenticeship)				x				
210	Institute of Public Safety								
210	Special Function/Reserve Officer Training								x
211	Peace Officer Basic Training								x
211	Bail Enforcement Agent Training								x
211	Emergency Medical Technician Training								x
211	EMT Re-Certification Training								x
226	Instrumentation Technology (Apprenticeship)				x				
227	Ironworkers JATC Technology (Apprenticeship)				x				
212	Interior Design								x
160	International Studies								
161	International Studies: Business	x							
162	International Studies: Languages	x							
162	Italian								
163	Japanese								
227	Landscape Technology (Apprenticeship)				x				
162-163	Languages - Arabic, ASL, Chinese, French, German, Italian, Japanese, Navajo, Portuguese, Russian, Samoan, Spanish, and Tongan								
	Law Enforcement, *See Institute of Public Safety*								
212	Legal Secretary								x
213	Library Technician								x
239	Linux Network Adminstrator						x		
239	Linux Support Specialist						x		
228	Machinist Technology (Apprenticeship)				x				
130	Manufacturing Engineering			x					
163-164	Marine Biology								
164-165	Marketing Management				x		x		
131	Materials Science Engineering			x					
165-166	Mathematics								
131	Mechanical Engineering			x					
166-167	Medical Administrative Assistant						x		
167-168	Medical Assistant						x		

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241	Medical Coding Procedures						x		
168-169	Medical Laboratory Technician				x				
228	Metal Fabrication and Jointing Technology (Apprenticeship)				x				
228	Millwrights JATC Technology (Apprenticeship)				x				
169-170	Music		x						
163	Navajo								
238	Network Administrator (MCSA)						x		x
238	Network Engineer (MCSE)						x		
171-172	Non-Destructive Testing Technology				x				
172-174	Nursing				x				
240	Nursing Assistant, Certified								x
174-176	Occupational Therapy Assistant				x				
242-243	Office Information Systems								
242	Accounting Clerk						x		
241	Basic Health Records						x		
242	Customer Service/Receptionist								x
242	Data Entry for Medical Billing						x		
243	General Clerk						x		
241	Medical Coding Procedures						x		
242	Office Clerk						x		
243	Office Specialist						x		
229	Operating Engineers Technology (Apprenticeship)				x				x
176-177	Paraeducation		x						x
177-178	Paralegal Studies				x				
213	Pharmacy Technician								x
	Philosophy *see Humanities*								
	Physical Science *see Chemistry/Physical Science*								
178-180	Physical Therapist Assistant				x				
180-181	Physics		x						
230	Plumbing Independent Technology (Apprenticeship)				x				
229	Plumber/Pipefitter Independent Techniology (Apprenticeship)				x				
229	Plumer/Pipefitter JATC Technology (Apprenticeship)				x				
181	Political Science		x						
163	Portuguese								
183-184	Pre-Professional: Pre-Chiropractic, Pre-Dentistry/Pre-Medicine, Pre-Law, Pre-Pharmacy, Pre-Physical Therapy								
184-185	Pre-Teacher Education		x						

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245	Professional Truck Driving								x
185-186	Psychology		x						
186-188	Radiologic Technology				x				
213	Real Estate Appraisal								x
230	Refrigeration JATC Technology (Apprenticeship)				x				
188-189	Reserve Office Training Corps (ROTC) Aerospace Studies (Air Force ROTC) Military Science (Army ROTC)								
163	Russian								
163	Samoan								
231	Sheet Metal JATC Technology (Apprenticeship)				x				
231	Stagehands JATC (Apprenticeship)				x				
190	Small Equipment Vehicle Technician								x
190-192	Social Work	x	x						
192-193	Sociology		x						
163	Spanish								
214	Supported Employment								x
193-194	Surgical Technology						x		
194-195	Surveying				x				
240	Technical Support Skills (Projects w/Industry - special eligibility requirements apply)								
195-196	Telecommunications				x				
196	Telecommunications Cable Installer								x
196	Telecommunications Network Technology								x
232	Telecommunications Technology (Apprenticeship)				x				
	Theater, Theatre *(See Fine Arts)*								
214	Therapeutic Recreation Technician								x
163	Tongan								
196-	Visual Art and Design								
196, 198	Animation		x			x			
199	Design					x			
199	Illustration					x			
200	Multimedia					x			
200	Photography					x			
201	Electronic Publishing						x		
202, 245	Welding				x			x	

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ACCOUNTING

Estimated cost of books and supplies per semester $350 to $450

Business Building 105 (801) 957-4325
General Information (801) 957-4073
Academic Advisor BB 132A (801) 957-4300

Professors: Lynnette M. Yerbury
Associate Professors: Gary Barnett, Mark D. Moss
Assistant Professors: Scott Symes, Jaydene Love
Instructor: Robert Burdett, Shauna Hatfield

THE PROGRAM

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 as well as in taxation. 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 (32 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.

The Accounting 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.

PREPARATION NOTE

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. ACT or CPT placement exams are designed to assist in determining which preparatory classes may be appropriate for each student. Computer competency may be evidenced by successful completion of CIS 1020. Challenge examinations may be available for these courses.

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.

Students who wish to take the CIS 1020 Computer Essentials challenge exam are advised to review the self-scoring practice tests available on the Computer Information Systems website www.slcc.edu. A score of 80% or higher is required on each section of the test. For further information on the $25 Challenge Exam contact the Assessment and Testing Centers. This exam is only available during semesters. Once the exam is passed, a P grade is posted to the transcript and credit is awarded.

ELECTIVE OPTIONS

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 ACCT 2000 is applied toward graduation requirements as an accounting 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.

CLASS AVAILABILITY

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.

ASSOCIATE OF APPLIED SCIENCE DEGREE IN ACCOUNTING

(minimum 68 hours required)

GENERAL EDUCATION REQUIREMENTS (18 CREDIT HOURS)

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS (12 CREDIT HOURS)					
COMPOSITION					
ENGL	1010	English Comp	3	A	pre-test
QUANTITATIVE LITERACY					
FIN	1380	Financial Math	3	A	MATH 0970 or CPT
COMMUNICATION					
BUS	2010	Business Com	3	A	ENG 1010
HUMAN RELATIONS					
MKTG	1960	Prof in Business	3	A	none
DISTRIBUTION AREAS (6 CREDIT HOURS)					

Choose an additional six credit hours from at least two of the following general education areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

Interdisciplinary: except BUS 1050, FIN 1050 and MKTG 1050
See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS (32 CREDIT HOURS)

COURSE			CR	SEM	PREREQUISITES
ACCT	1110	Financial Acct I	3	A	none
ACCT	1120	Financial Acct II	3	A	ACCT 1110
ACCT	1230	Managerial Acct	3	A	ACCT 1110 or ACCT 1220 and CIS 1020 or comp
ACCT	1280	Acct Info Sys I	3	Sp, Su	ACCT 1110 or CIS 2410 or concurrent
ACCT	2310	Intermed Acct I	4	F	ACCT 1280
ACCT	2410	Intermed Acct II	4	Sp	ACCT 2310
ACCT	2510	Acct Info Sys II	3	F, Su	ACCT 1280
ACCT	2540	Acct in Practice	3	Sp	ACCT 2410 or concurrent
CIS	2410	Adv Sprdsht Ap	2	Sp	CIS 1020 or comp
ECON	2020	Macroeconomic	3	A	none
FIN	2210	Credit and Col	2	A	ACCT 1110 or ACCT 1220
MGT	2050	Lgl Envir Bus	3	A	BUS 1050*

*See Business advisor.

ACCOUNTING ELECTIVES (8 CREDITS)

COURSE			CR	SEM	PREREQUISITES
ACCT	1900	Inst Mgmt Acct	1-2	F, Sp	none
ACCT	2000	CO-OP	2-4	TBA	2 semesters of accounting program
ACCT	2050	Governmntl Acct	3	Sp	ACCT 1110
ACCT	2520	Federal Inc Tax	3	F	ACCT 1120 or ACCT 1220
ACCT	2530	Cost Accounting	3	Sp	ACCT 1230
ACCT	2590	VITA	2	Sp	ACCT 2520 w/B or better
ACCT	2990	Current Acct Top	1-3	TBA	variable

BUSINESS ELECTIVES (6 CREDITS)

COURSE			CR	SEM	PREREQUISITES
BUS	1050	Business & Society	3	A	none
CST	1010	Cust Service Techn	2	A	none
FIN	1050	Personal Finance	3	A	none
FIN	2040	Financial Mgmt	3	Sp	ACCT 1230
MGT	1600	Mgmt Essentials	3	A	none
MKTG	1030	Intro to Marketing	3	A	none
MKTG	1090	Retail Management	3	Sp	none

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ACCT	1110	3	ACCT	1120	3
ENGL	1010	3	ACCT	1230	3
FIN	1380	3	ACCT	1280	3
MKTG	1960	3	BUS	2010	3
BUS ELECTIVES		3	MGT	2050	3
DISTRIBUTION		3	CIS	2410	2
TOTAL		**15**	**TOTAL**		**17**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
ACCT	2310	4	ACCT	2410	4
ACCT	2510	3	ACCT	2540	3
ECON	2020	3	ACCT ELECTIVES		6
FIN	2210	2	DISTRIBUTION		3
BUS ELECTIVES		3	**TOTAL**		**16**
ACCT ELECTIVES		2			
TOTAL		**17**			

CERTIFCATE OF COMPLETION/ ACCOUNTING

(minimum 32 hours required)

MAJOR COURSE REQUIREMENTS (29 CREDIT HOURS)

COURSE			CR	SEM	PREREQUISITES
ACCT	1110	Financial Acct I	3	A	none
ACCT	1120	Financial Acct II	3	A	ACCT 1110
ACCT	1230	Mangerial Acct	3	A	ACCT 1110 or ACCT 1220 and CIS 1020 or comp
ACCT	1280	Acct Info Sys I	3	Sp, Su	ACCT 1110, BIT 2320 or CIS 2410 or concurrent
BUS	2010	Business Com	3	A	ENGL 1010
CIS	2410	Adv Sprdsht Ap	2	Sp	CIS 1020 or comp
ENGL	1010	Intro to Writing	3	A	pre-test
FIN	1380	Financial Math	3	A	MATH 0970 or CPT
MGT	2050	Lgl Envir Bus	3	A	BUS 1050*
MKTG	1960	Prof in Business	3	A	none

*See Business advisor.

BUSINESS OR ACCOUNTING ELECTIVES (3 CREDIT HOURS)

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ACCT	1110	3	ACCT	1120	3
MKTG	1960	3	ACCT	1230	3
ENGL	1010	3	ACCT	1280	3
FIN	1380	3	BUS	2010	3
BUS ELECTIVES		3	CIS	2410	2
TOTAL		**15**	MGT	2050	3
			TOTAL		**17**

ACCOUNTING CLERK

SEE **SKILLS CENTER**. > > >

ADULT BASIC EDUCATION

SEE **SKILLS CENTER**. > > >

AIR-CONDITIONING, HEATING, AND REFRIGERATION

SEE **SKILLS CENTER**. > > >

AMERICAN SIGN LANGUAGE/ INTERPRETING

Estimated cost of books and supplies per course $60

Redwood Campus, Construction Trades Building 266 (801) 957-4338
General Information (801) 957-4073
Academic Advisor (801) 957-4556
ASL/I Department Secretary (801) 957-4929 TTY/V
American Sign Language Lab: TB 418 Interpreting Lab: AD 153

Instructors: Duane Kinner, Christopher Palaia, Connie Spanton-Jex

THE PROGRAM

The American Sign Language/Interpreting program is designed to prepare students for an entry-level position in the rapidly expanding and rewarding field of interpreting. After successful completion of the program, students must apply for and pass the Utah State Interpreter Certification test to be able to work as an interpreter. The American Sign Language/Interpreting program will prepare students to take the Novice Level certification test offered by the state.

CAREER OPPORTUNITIES

Career opportunities for interpreters exist in the fields of education, business, employment, social services, mass media, finance, medical care, mental health, legal aid, law enforcement, religion, recreation, video relay services, and the arts. Under federal law any employer, governmental agency, public service provider, medical facility or business will be responsible to provide and pay for qualified interpreters if such services are requested.

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.

PREREQUISITES

Students wishing to enter the American Sign Language/Interpreting program must take ASLI 1010 and ASLI 1020 and earn a grade of B or better in each class. ASLI 1010 and ASLI 1020 challenge tests are available for students who have prior ASL experience that does not transfer to SLCC. Call the department for further information regarding this option. For students who wish to take the ASLI classes only to fulfill their foreign language requirement, the only minimum grade requirement is a passing grade. ASLI 1010, ASLI 1020, ASLI 2010 and ASLI 2020 will be offered every semester.

Students wishing to enter the American Sign Language/Interpreting program must apply for admission to the program after completion of prerequisite ASLI courses. Since courses which make up the interpreter training program are offered in an established sequence beginning every fall semester, applications are accepted for fall admission only. Students in the American Sign Language/Interpreting program must maintain a grade of B or better in each class. If a grade lower than a B is received, the student will be unable to continue in the program until that class can be retaken and a satisfactory grade is earned.

CLASS AVAILABILITY

Students should check the semester class schedule for the day/ evening availability and modifications caused by varying enrollment.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF ARTS TRANSFER DEGREE*

(minimum 63 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE		CR	SEM	PREREQUISITES
CORE SKILLS				
COMPOSITION (COMPLETE TWO ENGLISH COURSES)				
ENGL 1010	Intro to Writing	3	A	pre-test
ENGL 2010	Interm Writing	3	A	ENGL 1010
OR				
ENGL 2100	Technical Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY				
MATH 1030	Quant Reas	3	A	MATH 1010
OR				
MATH 1040	Statistics	3	A	MATH 1010
OR				
MATH 1050	College Algebra	4	A	MATH 1010
OR				
MATH 1090	College Alg Bus	3	A	MATH 1010
AMERICAN INSTITUTIONS AI (3 CREDITS)				
ECON 1740	Econ Hist of US	3	A	none
OR				
HIS 1700	Amer Civilization	3	A	none
OR				
POLI 1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS

HLA	____	1	A	none

STUDENT CHOICE (2-3 CREDITS)

Communication or depth course.

COMPUTER COMPETENCY

DISTRIBUTION AREAS

Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE		CR	SEM	PREREQUISITES
**ASLI 1010	Begning ASL I	5	A	none
**ASLI 1020	Begning ASL II	5	A	ASLI 1010
ASLI 1200	Intro to Interp	3	F	ASLI 1020
**ASLI 1220	Cog Prc/Int Ana	3	F	ASLI 1020
ASLI 1300	Conversation I	1	F, Sp	ASLI 1010
ASLI 1400	Cross-Cult Intrp	3	Sp	ASLI 1200, ASLI 1220, ASLI 2010
**ASLI 1420	Consec Interp	3	Sp	ASLI 1200, ASLI 1220, ASLI 2010
ALSI 1450	Mentorship	2	Sp	ASLI 1200, ASLI 1220, ASLI 2010
**ASLI 2010	Intermed ASL I	5	A	ASLI 1020
ASLI 2020	Intermed ASL II	5	F, Sp	ASLI 2010
**ALSI 2200	Simul Interp	3	F	ASLI 1400, ASLI 1420, ASLI 1450, ASLI 2020
ASLI 2220	Educational Intrp	3	F	ASLI 1400, ASLI 1420, ASLI 1450, ASLI 2020
ASLI 2230	Linguistics ASL	3	F	ASLI 1400, ASLI 1420, ASLI 1450 ASLI 2020
ASLI 2300	Conversation II	1	F	ASLI 1020, ASLI 1300
ASLI 2400	Practicum	3	Sp	ASLI 2200, ASLI 2220, ASLI 2230
ASLI 2410	Practicum Sem	1	Sp	ASLI 2200, ASLI 2220, ASLI 2230

**Lab required.

OPTIONAL ELECTIVE

COURSE		CR	SEM	PREREQUISITES
ASLI 1900	Special Studies	1-3	TBA	intstructor's approval

NOTE: Students who complete ASLI 1010, 1020, 2010, and 2020 will add an additional 18 credits to the minimum of 63 hours.

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ASLI	1010	5	ASLI	1020	5
ENGL	1010	3	ENGL	2010	3
AMER INSTITUTIONS		3	MATH	1040	3
DISTRIBUTION		3		**OR**	
HLA		1	MATH	1050	4
TOTAL		**15**		**OR**	
			MATH	1090	3
			STUDENT CHOICE		2-3
			TOTAL		**14-15**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
ASLI	1200	3	ASLI	1300	1
ASLI	1220	3	ASLI	1400	3
ASLI	2010	5	ASLI	1420	3
DISTRIBUTION		3	ALSI	1450	2
TOTAL		**13**	ALSI	2020	5
			TOTAL		**14**

3RD FALL SEMESTER			3RD SPRING SEMESTER		
ASLI	2200	3	ASLI	2400	3
ASLI	2220	3	ASLI	2410	1
ASLI	2230	3	DISTRIBUTION		3
ASLI	2300	1	DISTRIBUTION		3
TOTAL		**13**	DISTRIBUTION		3
			TOTAL		**13**

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

ANTHROPOLOGY

SEE **HUMANITIES**. > > >

APPRENTICESHIPS

SEE **APPRENTICESHIPS**. > > >

ARCHITECTURAL TECHNOLOGY

Estimated cost of books per year First Year $300-$500
Second Year $300-$500

Auto Trades Building, room 205 (801) 957-4074
General Information (801) 957-4073
Academic Advisor CT 186 (801) 957-4550
www.slcc.edu/tech/techsp/at.htm

Associate Professor: Jeff Plant
Instructors: Norman Clark, Kevin King

THE DEPARTMENT

The Architectural Technology Department offers a program completing the requirements for a two-year Associate of Science (AS) degree for students who plan to transfer to a four-year university and a two-year Associate of Applied Science (AAS) degree. Students in the AS degree program may specialize in two areas, Architecture and Construction Management. Students in the AAS degree program may specialize in four general areas: architecture, architectural CAD and computer graphics, construction management and structural/civil design. For

people already in an architectural or construction-related profession who want additional training, certificates are available in each of these specialized areas.

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.

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.

STUDENT ORGANIZATIONS
Skills USA (formerly VICA) - All students enrolled in the architecture 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.

CSI (Construction Specifications Institute) - Students have an opportunity to join CSI, a national organization that allows students to associate with industry professionals, sponsors design competitions for various organizations, and participate in community service projects and develop leadership 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.

PREPARATION NOTE
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 chool 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 experience.

CLASS AVAILABILITY
The semester in which the courses are taught are listed below. 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.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

ARCHITECTURAL TECHNOLOGY/ ARCHITECTURE

(minimum 62 hours required)

THE PROGRAM
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.

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.

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's or Master's degree in architecture. To help students with additional professional education, the Architectural Technology program has clearly articulated transfer of this program with the Graduate School of Architecture at the University of Utah.

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.

ELECTIVE OPTIONS
Those classes noted below with an asterisk are not directly required by the University of Utah for articulation, but they have been formulated in conjunction with the University of Utah program to increase the student's knowledge base and background. These classes may be substituted by any of the approved departmental classes.

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2100	Technical Wrtng	3	A	ENGL 1010
	OR				
ENGL	2010	Interm Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1210	Calculus I	4	A	MATH 1060
AMERICAN INSTITUTIONS (3 CREDITS)					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS					
HLA	____		1	A	none

STUDENT CHOICE (2-3 CREDITS)
Communication or depth course.

COMPUTER COMPETENCY

DISTRIBUTION AREAS
Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Social Science	3	A	none

Physical Science distribution area is exempted because PHY 2010 is required for program.
See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ARCH	1010	Intro to Des Pro	3	F	none
ARCH	1100	Intro Arch Drwing	3	Sp	none
ARCH	1130	Basic Drawing	3	F	none
ARCH	1510	Arch Des Wksp	3	Sp	ARCH 1130 or concurrent
PHY	2010	Mech, Heat, Wvs	4	A	MATH 1060 (lab not required)
PHY	2020	Elec, Mag, Phy	4	A	PHY 2010

SUGGESTED ELECTIVES

COURSE			CR	SEM	PREREQUISITES
*ARCH	1210	Residential Con	5	Sp	ARCH 1010, ARCH 1310
*ARCH	1310	Intro AutoCAD	3	F	computer literacy
*ARCH	2150	Arch Graphics	3	Sp	ARCH 1130

NOTE: The following courses are approved departmental electives that can be taken in place of the suggested electives noted above with an asterisk. Students must select a minimum of 11 credits from the following list. It is the student's responsibility to examine each course description for details of prerequisite courses.

APPROVED ELECTIVES

COURSE			CR	SEM	PREREQUISITES
ARCH	1210	Residential Con	5	Sp	ARCH 1010, ARCH 1310
ARCH	1310	Intro AutoCAD	3	F	computer literacy
ARCH	1350	Comp Graphics	3	F	computer literacy
ARCH	2150	Arch Graphics	3	Sp	ARCH 1130
ARCH	2310	Mdlng/Rndng/AnmI	3	F	ARCH 1130
ARCH	2320	Mdlng/Rndng/AnmII	3	Sp	ARCH 2310
ARCH	2350	Adv Arch CAD	3	Sp	ARCH 1310
ARCH	2510	Arch CAD II	5	F	ARCH 1210, ARCH 1310
ARCH	2520	Arch CAD III	5	Sp	ARCH 2210, ARCH 2510
SVT	1030	Field Techniques	4	Sp	SVT 1110

SAMPLE SCHEDULE

Please note that required departmental classes are not offered every semester. to graduate in two years, a student must follow the suggested program schedule.

FALL SEMESTER			SPRING SEMESTER		
ARCH	1010	3	ARCH	1100	3
ARCH	1130	3	ARCH ELECTIVE		8
ARCH ELECTIVE		3	ENGL	2010	3
ENGL	1010	3		**OR**	
DISTRIBUTION		3	ENGL	2100	3
TOTAL		**15**	DISTRIBUTION		3
			HLA		1
			TOTAL		**18**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
PHY	2010	4	ARCH	1510	3
STUDENT CHOICE		2-3	PHY	2020	4
AMER INSTITUTIONS		3	MATH	1210	4
DISTRIBUTION		6	DISTRIBUTION		3
TOTAL		**15-16**	**TOTAL**		**14**

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

ARCHITECTURAL TECHNOLOGY/ CONSTRUCTION MANAGEMENT

(minimum 64 hours required)
(Also listed under Building Construction/Construction Management)

THE PROGRAM

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. 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) 626-7263. 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.

The program is currently undergoing the process to offer classes from Weber State University through the SLCC University Studies program that will allow students to take Weber State University Construction Management classes at SLCC and obtain a B.S. in Construction Management.

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 957-4174 or Parson's Construction Management Technology Department Coordinator at Weber State at (801) 626-7263. They will provide the latest approved course lists and sample schedules.

For additional information, go to the Architecture program's web page, www.slcc.edu/tech/techsp/arch/programs/AS_Weber.htm,

or go to Weber State University's CMT web page, www.weber.edu/mmet/cmt.htm.

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.

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Intermed Writing	3	A	ENGL 1010
	OR				
ENGL	2100	Technical Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1060	Trigonometry	3	A	MATH 1050
AMERICAN INSTITUTIONS (CHOOSE ONE)					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	American Civ	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS					
HLA	____		1	A	none
STUDENT CHOICE (2-3 CREDITS)					
COM	1010	Effect Comm	3	A	none
	OR				
COM	1200	Princ Pub Spking	3	A	none
COMPUTER COMPETENCY					
DISTRIBUTION AREAS					

Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Social Science	3	A	none

Physical Science distribution area is exempted because PHY 2010 is required for program and WSU.

Weber State University requires a Diversity course for graduation. **ONE** of the following should be taken as part of the General Education Distribution Areas: ENGL 2710 (HU), ANTH 1010, GEOG 1600, SOC 1020 (ID), HIS 1020, SOC 1010, or SOC 2370 (SS).

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

(REQUIRED 31-33 CREDITS)

COURSE			CR	SEM	PREREQUISITES
ARCH	1010	Intro Design Pro	3	F	none
ARCH	1100	Intro Arch Draw	3	Sp	none
ARCH	1210	Residential Con	5	Sp	ARCH 1010, ARCH 1310
ARCH	2060	Cons Doc Fund	3	F	ARCH 1010 or approval
ARCH	2210	Commercial Const	5	F	ARCH 1210 or BCCM 1010
ARCH	2460	Constr Estimating	2	F, Sp	ARCH 1210 or BCCM 1010
ARCH	2470	Bldg Codes	2	F, Sp	none
PHY	2010	Mech, Heat,Waves	4	A	MATH 1060 (lab not required)
ARCH	Elective (choose one below)		3-5		

ELECTIVE OPTIONS

Students may select additional electives designed to meet Weber State University requirements for the bachelor's in Construction Management Technology. (See advisor or program coordinator and ask for the Transfer Recommendations form). If students have not had "hands on" construction experience, it is recommended that they take Construction Lab (BCCM 1050) and Construction Management (BCCM 2450) as electives. These courses are currently not applicable to Weber's program but would provide important background for students with no prior construction experience.

DEPARTMENTAL ELECTIVES (CHOOSE ONE BELOW)

COURSE			CR	SEM	PREREQUISITES
*ARCH	1310	Intro AutoCAD	3	F	Computer Literacy
ARCH	2450	Construct Mgmt	3	F	ARCH 1210 or ARCH 1370
*ARCH	2510	Arch CAD II	5	F	ARCH 1310
*ARCH	2520	Arch CAD III	5	Sp	ARCH 2510
SVT	1030	Survey Field Techn	4	F	SVT 1110
BCCM	2050	Concrete Theory	5	F, Sp	BCCM 1010 or ARCH 1210

*Course suggested for background experience, but does not transfer.

TRANSFER RECOMMENDATIONS

In addition to the required courses listed above, WSU's Construction Management program requires the following electives that may be lower division and completed at SLCC:

COURSE			CR	SEM	PREREQUISITES
ACCT	1220	Survey Fin Acct	3	A	none
ECON	2010	Microeconomics	3	A	none
ECON	2020	Macroeconomics	3	A	none
GEOL	1110	Physical Geology	3	F	w/GEOL 1120
	AND				
GEOL	1120	Phys Geology Lab	1	F	w/GEOL 1110
	OR				
GEOL	1160	Environmtl Geol	3	Sp	w/GEOL 1170
	AND				
GEOL	1170	Envnmtl Geol Lab	1	Sp	w/GEOL 1160

SAMPLE SCHEDULE

Please note that required departmental classes are not offered every semester. To graduate in two years, student must follow the suggested program schedule.

FALL SEMESTER			SPRING SEMESTER		
ARCH	1010	3	ARCH	1100	3
COM	1010	3	ARCH	1210	5
	OR		ENGL	2010	3
COM	1200	3		**OR**	
ENGL	1010	3	ENGL	2100	3
HLA		1	DISTRIUTION		6
DISTRIUTION		6	**TOTAL**		**17**
TOTAL		**16**			

2ND FALL SEMESTER			2ND SPRING SEMESTER		
ARCH	2060	3	ARCH	2460	2
ARCH	2210	5	ARCH	2470	2
MATH	1060	3	ARCH ELECTIVES		3-5
AMER INSTITUTIONS		3	PHY	2010	4
DISTRIBUTION		3	DISTRIBUTION		3
TOTAL		**17**	**TOTAL**		**14-16**

ASSOCIATE OF APPLIED SCIENCE DEGREE IN ARCHITECTURAL TECHNOLOGY

(minimum 67 hours required)

THE PROGRAM

The architecture technology program curriculum leads to an AAS in architectural technology and is designed to provide students with the skills required to become architectural drafters/detailers. The AAS curriculum concentrates on the process involved in preparing sets of presentation and construction documents. Drawing skills are developed using classical drafting techniques and computer-aided design (CAD) systems. In this process, students study construction details, mechanical systems, building code, specifications and building construction techniques.

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.

CAREER OPPORTUNITIES

A graduate of this program will have the skills required to be drafters in an architectural, consulting, engineering or contracting office. Students will be qualified for positions in building materials and equipment sales, specification writing and as assistant construction field representatives or any other architecture-related positions.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
MATH	1010	Interm Algebra	4	A	MATH 0970

COMMUNICATION

COM	1010	Elem Effect Com	3	A	none
	OR				
COM	1200	Prncpls Public Spk	3	A	none

HUMAN RELATIONS

LE	1220	Human Relation	3	A	none

DISTRIBUTION AREAS

Choose an additional three credit hours from one of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ARCH	1010	Intro Design Pro	3	F	none
ARCH	1100	Intro Arch Draw	3	Sp	none
ARCH	1130	Basic Drawing	3	F	none
ARCH	1210	Residential Con	5	Sp	ARCH 1010, ARCH 1310
ARCH	1310	Intro AutoCAD	3	F	computer literacy
ARCH	1350	Comp Graphics	3	F	computer literacy
ARCH	1510	Arch Des Wksp	3	Sp	ARCH 1130 or concurrent
ARCH	2060	Cons Doc Fund	3	F	ARCH 1010 or instructor's approval
ARCH	2150	Arch Graphics	3	Sp	ARCH 1130
ARCH	2210	Commercial Const	3	F	ARCH 1210 or BCCM 1010
ARCH	2240	Applied Structures	4	F, Sp	none
ARCH	2310	Mdlng/Rndng/AnmI	3	F	ARCH 1130
ARCH	2510	Arch CAD II	5	F	ARCH 1210, ARCH 1310
ARCH	2520	Arch CAD III	5	Sp	ARCH 2210, ARCH 2510

SAMPLE SCHEDULE

Please note that required departmental classes are not offered every semester. To graduate in two years, student must follow the suggested program 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	C0M	1010	3
TOTAL		**16**		**OR**	
			COM	1200	3
			TOTAL		**17**

2ND FALL SEMESTER			2ND 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
TOTAL		**16**	DISTRIBUTION		3
			TOTAL		**18**

ASSOCIATE OF APPLIED SCIENCE DEGREE IN ARCHITECTURAL TECHNOLOGY/CAD AND COMPUTER GRAPHICS EMPHASIS

(minimum 66 hours required)

THE PROGRAM

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 and 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, modeling, rendering, animation and graphic presentation. Students will examine the more technical programming side of CAD by acquiring skills to enable them to customize and manage existing CAD software to function more efficiently.

CAREER OPPORTUNITIES

AAS graduates are qualified with entrance level skills to work in an architectural profession or related fields as an architectural draftsperson, Computer/CAD Consultant, Computer Presentation Designer, or other field in CAD design. This specialization will also provide students with the background knowledge leading to a speciality in CAD programming and CAD office management.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
MATH	1010	Interm Algebra	4	A	MATH 0970
COMMUNICATION					
COM	1010	Elem Effect Com	3	A	none
	OR				
COM	1200	Prncpls Pb Spk	3	A	none
HUMAN RELATIONS					
LE	1220	Human Relation	3	A	none

DISTRIBUTION AREAS

Choose an additional three credit hours from one of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ARCH	1010	Intro Design Pro	3	F	none
ARCH	1100	Intro Arch Draw	3	Sp	none
ARCH	1130	Basic Drawing	3	F	none
ARCH	1210	Residential Con	5	Sp	ARCH 1010, ARCH 1310
ARCH	1310	Intro AutoCAD	3	F	computer literacy
ARCH	1350	Comp Graphics	3	F	computer literacy
ARCH	1510	Arch Des Wksp	3	Sp	ARCH 1130 or concurrent
ARCH	2210	Commercial Const	5	F	ARCH 1210 or BCCM 1010
ARCH	2310	Mdlng/Rndng/AnmI	3	F	ARCH 1130
ARCH	2320	Mdlng/Rndng/AnmII	3	Sp	ARCH 2310
ARCH	2330	CAD Custom	3	Sp	ARCH 1310, ARCH 2510 or instructor's approval
ARCH	2350	Adv Arch CAD	3	Sp	ARCH 1310
ARCH	2510	Arch CAD II	5	F	ARCH 1210, ARCH 1310
ARCH	2520	Arch CAD III	5	Sp	ARCH 2210, ARCH 2510

SAMPLE SCHEDULE

Please note that required departmental classes are not offered every semester. To graduate in two years, student must follow the suggested program schedule.

FALL SEMESTER			SPRING SEMESTER		
ARCH	1010	3	ARCH	1100	3
ARCH	1130	3	ARCH	1210	5
ARCH	1310	3	COM	1010	3
ARCH	1350	3	ENGL	1010	3
MATH	1010	4	DISTRIBUTION		3
TOTAL		**16**	**TOTAL**		**17**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
ARCH	2210	5	ARCH	1510	3
ARCH	2310	3	ARCH	2320	3
ARCH	2510	5	ARCH	2330	3
LE	1220	3	ARCH	2350	3
TOTAL		**16**	ARCH	2520	5
			TOTAL		**17**

ASSOCIATE OF APPLIED SCIENCE DEGREE IN ARCHITECTURAL TECHNOLOGY/CONSTRUCTION MANAGEMENT EMPHASIS

(minimum 63 hours required)

NOTE: This program is undergoing revision to comply with minimum requirements for AAS of 63 credit hours; please see Department Coordinator or Department wesite for accurate information: http://www.slcc.edu/tech/techsp/arch/program/con_schd.htm

THE PROGRAM

The construction industry is among the largest in the United States, with more than half a million construction related firms ranging from single practitioners to large corporations employing hundreds of individuals. The industry is complex, requiring the expertise of numerous specialists from diverse fields. Construction is labor-intensive; managing complex projects requires expertise in supervising people, compiling project schedules involving subcontractors as well as general contractors and having technical knowledge in various construction-related disciplines. New construction management approaches are being adopted throughout the industry that foster greater efficiency, quality and economics.

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 used in the field including cost estimating, bidding contracts and liability, supervision and safety, scheduling and coordination and mechanical and electrical interface in buildings.

CAREER OPPORTUNITIES

A graduate of this program could be employed as an architectural drafter, specification writer, estimator, job captain or project manager for architects, contractors or developers. Students will have the skills to pursue careers in diverse construction-related positions.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
MATH	1010	Interm Algebra	4	A	MATH 0970
COMMUNICATION					
COM	1010	Elem Effect Com	3	A	none
	OR				
COM	1200	Prncpls Pb Spk	3	A	none
HUMAN RELATIONS					
LE	1220	Human Relation	3	A	none
DISTRIBUTION AREAS					

Choose an additional three credit hours from one of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ARCH	1010	Intro Desgn Prof	3	F	none
ARCH	1100	Intro Arch Draw	3	Sp	none
ARCH	1210	Residential Con	5	Sp	ARCH 1010, ARCH 1310
ARCH	1310	Intro AutoCAD	3	F	computer literacy
ARCH	2060	Const Doc Fund	3	F	ARCH 1010 or approval
ARCH	2210	Commercial Const	5	F	ARCH 1210 or BCCM 1010
ARCH	2450	Const Mgmt	5	F	ARCH 1210 or ARCH 1370
ARCH	2470	Bldg Cd Zn Ins	2	F, Sp	none
ARCH	2510	Arch CAD II	5	F	ARCH 1210, ARCH 1310
ARCH	2520	Arch CAD III	5	Sp	ARCH 2210, ARCH 2510
BCCM	2240	Construct Estim	2	F, Sp	ARCH 1210 or BCCM 1010

SAMPLE SCHEDULE

Please note that required departmental classes are not offered every semester. To graduate in two years,student must follow the suggested program schedule.

FALL SEMESTER			SPRING SEMESTER		
ARCH	1010	3	ARCH	1100	3
ARCH	1130	3	ARCH	1210	5
ARCH	1310	3	ARCH	2470	2
ENGL	1010	3	LE	1220	3
MATH	1010	4	**TOTAL**		**13**
TOTAL		**16**			

2ND FALL SEMESTER			2ND SPRING SEMESTER		
ARCH	2060	3	ARCH	2520	2
ARCH	2210	5	BCCM	2240	5
ARCH	2450	5	COM	1010	3
ARCH	2510	5	DISTRIBUTION		3
TOTAL		**18**	**TOTAL**		**13**

ASSOCIATE OF APPLIED SCIENCE DEGREE IN ARCHITECTURAL TECHNOLOGY/STRUCTURAL/CIVIL DESIGN EMPHASIS

(minimum 64 hours required)

THE PROGRAM

Students in the architectural structural/civil design program will have the opportunity to specialize their architectural training in the areas of civil and structural steel design. This specialization will provide students with the opportunity to develop their design skills in the three related discipline areas that are required to work as designers in the construction industry.

CAREER OPPORTUNITIES

Graduates of this program are qualified with entrance level skills in the areas of civil engineering and structural steel design.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
MATH	1010	Interm Algebra	4	A	MATH 0970
COMMUNICATION					
COM	1010	Org & Intpl Com	3	A	none
	OR				
COM	1200	Prncpls Pb Spk	3	A	none
HUMAN RELATIONS					
LE	1220	Human Relation	3	A	none
DISTRIBUTION AREAS					

Choose an additional three credit hours from one of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none

Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ARCH	1010	Intro Design Prof	3	F	none
ARCH	1100	Intro Arch Draw	3	Sp	none
ARCH	1120	Civil Drafting	3	F	ARCH 1320
	OR				
EDDT	2190	Civil Drafting	3	F	EDDT 1040 or EDDT 1420
ARCH	1130	Basic Drawing	3	F	none
ARCH	1210	Residential Con	5	Sp	ARCH 1010, ARCH 1310
ARCH	1310	Intro AutoCAD	3	F	computer literacy
ARCH	1320	Basic MicroStatn	2	A	none
	OR				
EDDT	1420	Basic Micro Statn	2	A	none
ARCH	2140	Steel Detailing	4	Sp	ARCH 2220
	OR				
EDDT	2240	Steel Detailing	4	Sp	MATH 1030
ARCH	2210	Commercial Const	5	F	ARCH 1210 or BCCM 1010
ARCH	2240	Applied Structures	4	F, Sp	none
ARCH	2510	Arch CAD II	5	F	ARCH 1210, ARCH 1310
ARCH	2520	Arch CAD III	5	Sp	ARCH 2210, ARCH 2510
SVT	2290	App Srvy Drftng	3	Sp	EDDT 2190 or ARCH 1120

SAMPLE SCHEDULE

Please note that required departmental classes are not offered every semester. To graduate in two years, student must follow the suggested program schedule.

FALL SEMESTER			SPRING SEMESTER		
ARCH	1010	3	ARCH	1100	3
ARCH	1130	3	ARCH	1210	5
ARCH	1310	3	ARCH	1320	2
MATH	1010	4		OR	
DISTRIBUTION		3	EDDT	1420	2
TOTAL		16	ENGL	1010	3
			LE	1220	3
			TOTAL		16

2ND FALL SEMESTER			2ND SPRING SEMESTER		
ARCH	1120	3	COM	1010	3
	OR			OR	
EDDT	2190	3	COM	1200	3
ARCH	2210	5	ARCH	2140	4
ARCH	2240	4		OR	
ARCH	2510	5	EDDT	2240	4
TOTAL		17	ARCH	2520	5
			SVT	2290	3
			TOTAL		15

CERTIFICATE/ARCHITECTURAL TECHNOLOGY/CAD AND COMPUTER GRAPHICS

(minimum 28 hours required)

THE PROGRAM

The architectural CAD and computer graphics certificate is designed specifically for individuals who have prior education experience in the design and architectural industries and want to learn more about graphic design and CAD management. This program will increase the individual's ability to enter the CAD work field. Many employers are requiring CAD knowledge for entry-level positions; others are requiring employees to know CAD to advance in their firm. This program will provide students with the opportunity to develop a variety of computer skills in all areas of CAD, modeling, rendering, animation and graphic presentation.

CAREER OPPORTUNITIES

A graduate of this program could be employed as a computer or CAD specialist, computer operations trainer or supervisor, computer presentation designer and computer or CAD programmer. This specialization could lead to careers in computer graphics, 3D modeling, rendering and animation in a number of professions.

PREREQUISITES

Admission to the CAD and computer graphics certificate program is based on prior related work education experience. Students applying for entrance into this program must first obtain approval from the architectural technology department.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ARCH	1310	Intro AutoCAD	3	F	computer literacy
ARCH	1350	Comp Graphics	3	F	computer literacy
ARCH	2310	Mdlng/Rndng/AnmI	3	F	ARCH 1130
ARCH	2320	Mdlng/Rndng/AnmII	3	Sp	ARCH 2310
ARCH	2330	CAD Custom	3	Sp	ARCH 1310, ARCH 2510 or instructor's approval
ARCH	2350	Adv Arch CAD	3	Sp	ARCH 1310
ARCH	2510	Arch CAD II	5	F	ARCH 1210, ARCH 1310
ARCH	2520	Arch CAD III	5	Sp	ARCH 2210, ARCH 2510

CERTIFICATE/ARCHITECTURAL TECHNOLOGY/CONSTRUCTION MANAGEMENT

(minimum 32 hours required)

THE PROGRAM

The construction management certificate is designed specifically for individuals who have prior education experience in the construction and architectural industries and want to learn more about construction management. 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. Students in the program will be trained in the techniques and practices of organizing and supervising the construction process. These related office procedures include cost estimating, bidding contracts and liability, supervision and safety, scheduling and coordination and mechanical and electrical interface in buildings.

CAREER OPPORTUNITIES

A graduate of this program could be employed as a specification writer, estimator, general contractor assistant, project manager for architects, contractors or developers or any other of the many diverse construction-related positions.

PREREQUISITES

Admission to the construction management certificate program is based on prior related education experience. Students applying for entrance into this program first must obtain approval from the architectural technology department.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ARCH	1210	Residential Con	5	Sp	ARCH 1010, ARCH 1310
ARCH	2060	Const Doc Fund	3	F	ARCH 1010 or instructor's approval
ARCH	2210	Commercial Const	5	F	ARCH 1210 or BCCM 1010
ARCH	2450	Const Mgnt	5	F	ARCH 1210 or ARCH 1370
ARCH	2460	Constr Estimating	2	F, Sp	ARCH 1210 or BCCM 1010
ARCH	2470	Bldg Cd Zn Ins	2	F, Sp	none
ARCH	2510	Arch CAD II	5	F	ARCH 1210, ARCH 1310
ARCH	2520	Arch CAD III	5	Sp	ARCH 2210, ARCH 2510

CERTIFICATE/ARCHITECTURAL TECHNOLOGY/STRUCTURAL/ CIVIL DESIGN

(minimum 26 hours required)

THE PROGRAM

The structural/civil design certificate is designed specifically for individuals who have prior education experience in structural/civil design and/or architectural-related experience and want to learn more. The program will provide individuals planning to pursue structural/civil design as a career with course work that can augment the job-related experience gained during or after enrollment at the College.

PREREQUISITES

Admission to the structural/civil design certificate program is based on prior related education experience. Students applying for entrance into this program first must obtain approval from the Architectural Technology department.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ARCH	1120	Civil Drafting	3	F	ARCH 1320
	OR				
EDDT	2190	Civil Drafting	3	F	EDDT 1040 or EDDT 1420
ARCH	1320	Basic MicroStatn	2	A	none
	OR				
EDDT	1420	Basic Micro Statn	2	A	none
ARCH	2140	Steel Detailing	4	Sp	ARCH 2220
	OR				
EDDT	2240	Steel Detailing	4	Sp	MATH 1030
ARCH	2240	Applied Structures	4	F, Sp	none
ARCH	2510	Arch CAD II	5	F	ARCH 1210, ARCH 1310
ARCH	2520	Arch CAD III	5	Sp	ARCH 2210, ARCH 2510
SVT	2290	App Surv Drafting	3	Sp	EDDT 2190 or ARCH 1120

ARMED SERVICES

SEE **RESERVE OFFICER TRAINING CORPS**. ALSO SEE **SKILLS CENTER**. > > >

ART

SEE **VISUAL ART AND DESIGN**. > > >

ART HISTORY

SEE **HUMANITIES**. > > >

ASL

SEE **AMERICAN SIGN LANGUAGE/INTERPRETING**. > > >

AUTO COLLISION REPAIR/PAINT TECHNOLOGY APPRENTICESHIP

SEE **APPRENTICESHIPS**. > > >

AUTOMOTIVE AND RELATED TECHNOLOGIES

Estimated cost of tools and supplies	$530
Estimated cost of books	$ 50

Miller Campus
Automotive Training Center (801) 957-5200
General Information (801) 957-4073
Academic Advisor CT 186 (801) 957-4550

Assistant Professors: Vince Badger, Brett Baird, Bill Breedlove, Jerry Johnson, Mike Millet.
Instructors: John Roberts, Ed White

ASSOCIATE OF APPLIED SCIENCE DEGREE IN AUTOMOTIVE COLLISION REPAIR AND REFINISHING

(minimum 70 hours required)

THE PROGRAM

This is a two-year composite program of automotive refinishing and collision repair. 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.

PREPARATION NOTE

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.

ELECTIVE OPTIONS

If a student is employed in a job involving automotive collision repair, it is possible to earn some laboratory credit through cooperative education. With prior approval of the instructor and the faculty CO-OP coordinator for the division of mechanical technology, the students would register for the regular laboratory course. Students must attend CO-OP orientation.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
IND	1120	Math for Indstry	3	F, Sp	none
COMMUNICATION					
COM	1010	Elem Effect Com	3	A	none
HUMAN RELATIONS					
LE	1220	Human Relations	3	A	none

DISTRIBUTION AREAS

Choose an additional three credit hours from one of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ACR	1100	Metal & Nonstrc	5	F	w/ACR 1111
ACR	1111	Nonstrc Skill Apl	7	F	w/ACR 1100
ACR	1200	Struc Dam & An	5	Sp	ACR 1100, w/ACR 1211
ACR	1211	Struc Skll Ap Dv	7	Sp	ACR 1111, w/ACR 1200
AR	1100	Auto Refinishing	5	F	w/AR 1111
AR	1111	Refinish Skill Dv	7	F	w/AR 1100
AR	1200	Adv Auto Refin	5	Sp	AR 1100, AR 1111, w/AR 1211
AR	1211	Adv Auto Rf Skl	7	Sp	AR 1100, AR 1111, w/AR 1200
AR	1230	Auto Color & Ds	2	Sp	none
IND	1110	Industrial Elec	2	F, Sp	IND 1120
IND	1140	Princ of Tech	3	F, Sp	IND 1120
ENGL	1010	Intro to Writing	3	A	pre-test
IND	1120	Math for Industry	3	F, Sp	none
LE	1220	Human Relations	3	A	none

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ACR	1100	5	ACR	1200	5
ACR	1111	7	ACR	1211	7
IND	1120	3	COM	1010	3
LE	1220	3	IND	1140	3
TOTAL		**18**	**TOTAL**		**18**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
AR	1100	5	AR	1200	5
AR	1111	7	AR	1211	7
ENGL	1010	3	AR	1230	2
IND	1110	2	DISTRIBUTION		3
TOTAL		**17**	**TOTAL**		**17**

ASSOCIATE OF APPLIED SCIENCE DEGREE IN AUTOMOTIVE TECHNICIAN

(minimum 70 hours required)

Estimated cost of tools and supplies	$675
Estimated cost of books	$ 75

THE PROGRAM

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.

Any course offered in this program can be taken as part of the vocational/technical elective for an associate of science degree in general studies. General education and elective courses provide training in effective oral and written communication and human relations 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 opens the doors to a multitude of jobs throughout the state and nation.

SKILLS USA

Skills USA (formerly VICA) - All students enrolled in the architecture 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.

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. 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 student has prior college-level experience. Those wishing to enter this program must score above accepted minimums on the test.

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.

ELECTIVE OPTIONS

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 Division of Mechanical Technology, students would register for the regular laboratory course.

CLASS AVAILABILITY

The semester in which courses are taught is listed below. Students should check the semester class schedule for day/evening availability and modifications caused by varying enrollment.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
IND	1120	Math for Industry	3	F, Sp	none
COMMUNICATION					
COM	1010	Elem Effect Com	3	A	none
HUMAN RELATIONS					
LE	1220	Human Relation	3	A	none

DISTRIBUTION AREAS

Choose an additional three credit hours from one of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
AUTO	1110	Auto Elec Lectur	2	F, Sp	w/AUTO 1111
AUTO	1111	Auto Elec Lab	4	F, Sp	w/AUTO 1110
AUTO	1112	Auto Eng Lectur	2	F, Sp	w/AUTO 1113
AUTO	1113	Auto Eng Lab	4	F, Sp	w/AUTO 1112
AUTO	1120	Auto Brakes Lect	2	F, Sp	w/AUTO 1121
AUTO	1121	Auto Brakes Lab	4	F, SP	w/AUTO 1120
AUTO	1122	Auto Susp/Steer	2	F, Sp	w/AUTO 1123
AUTO	1123	Auto Sus/Str Lab	4	F, Sp	w/AUTO 1122
AUTO	1210	En Perf I Lecture	2	F, Sp	AUTO 1110, AUTO 1111, w/AUTO 1211
AUTO	1211	En Perf I Lab	4	F, Sp	AUTO 1110, AUTO 1111, w/AUTO 1210
AUTO	1212	En Perf II Lecture	2	F, Sp	AUTO 1210, AUTO 1211, w/AUTO 1213
AUTO	1213	En Perf II Lab	4	F, Sp	AUTO 1210, AUTO 1211, w/AUTO 1212
AUTO	1220	Man TransA/C	2	F, Sp	AUTO 1110, AUTO 1111, w/ AUTO 1221
AUTO	1221	Man Trs A/C Lab	4	F, Sp	AUTO 1210, AUTO 1221, w/AUTO 1220

AUTO	1222	Auto Trans Shift	2	F, Sp	AUTO 1110, AUTO 1111, w/AUTO 1223
AUTO	1223	Auto Trs Shft Lab	4	F, Sp	AUTO 1110, AUTO 1111, w/AUTO 1222
ENVT	1040	Workplace Safety	2	A	none
IND	1110	Industrial Electr	2	F, Sp	IND 1120
IND	1140	Princ of Tech	3	F, Sp	IND 1120

ELECTIVES

COURSE			CR	SEM	PREREQUISITES
AUTO	1114	Adv Electricity	2	F, Sp	w/ AUTO 1115
AUTO	1115	Adv Electricity Lab	4	F, Sp	w/ AUTO 1114

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
AUTO	1110	2	AUTO	1120	2
AUTO	1111	4	AUTO	1121	4
AUTO	1112	2	AUTO	1122	2
AUTO	1113	4	AUTO	1123	4
COM	1010	3	IND	1120	3
ENGL	1010	3	LE	1220	3
TOTAL		**18**	**TOTAL**		**18**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
AUTO	1210	2	AUTO	1220	2
AUTO	1211	4	AUTO	1221	4
AUTO	1212	2	AUTO	1222	2
AUTO	1213	4	AUTO	1223	4
IND	1110	2	ENVT	1040	2
IND	1140	3	DISTRIBUTION		3
TOTAL		**17**	**TOTAL**		**17**

CERTIFICATE OF COMPLETION/ AUTOMOTIVE COLLISION REPAIR

(minimum 38 hours required)

THE PROGRAM

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 vocational/technical electives for an Associate of Science degree in general studies. The requirements for this degree are outlined in the catalog. General education and elective courses provide training in effective oral and written communication and human relations skills.

PREPARATION NOTE

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. Those interested in entering auto collision repair should be in good physical condition and have good hand-eye coordination. 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.

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.

ELECTIVE OPTIONS

If a student is employed in a job involving automotive collision repair, it is possible to earn some laboratory credit through cooperative education. With prior approval of the instructor and the CO-OP coordinators, the students would register for the regular laboratory course. Students must attend CO-OP orientation.

CLASS AVAILABILITY

The semester in which courses is taught is listed below. Students should check the semester class schedule for the day/evening availability and modifications caused by varying enrollment.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ACR	1100	Mtllrgy/Nonst	5	F	w/ACR 1111
ACR	1111	Appl Nonst Rep	7	F	w/ARC 1100
ACR	1200	Struc Dmg Ana	5	Sp	ACR 1100, ACR 1111, w/ACR 1211
ACR	1211	Appl Struc Rep	7	Sp	ACR 1100, ACR 1111, w/ACR 1200
COM	1010	Elem Effect Com	3	A	none
IND	1110	Industrial Elec	2	F, Sp	IND 1120
IND	1120	Math for Indstry	3	F, Sp	none
IND	1140	Princ of Tech	3	F, Sp	IND 1120
LE	1220	Human Relations	3	A	none

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ACR	1100	5	ACR	1200	5
ACR	1111	7	ACR	1211	7
IND	1120	3	COM	1010	3
LE	1220	3	IND	1110	2
TOTAL		**18**	IND	1140	3
			TOTAL		**20**

CERTIFICATE OF COMPLETION/ AUTOMOTIVE REFINISHING

(minimum 35 hours required)

THE PROGRAM

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.

PREPARATION NOTE

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. Students should be in good physical condition and have good eye hand coordination.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
AR	1100	Auto Refinishing	5	F	w/AR 1111
AR	1111	Refin Skill Dev	7	F	w/AR 1110
AR	1200	Adv Auto Refin	5	Sp	AR 1100, AR 1111, w/AR 1211
AR	1211	Adv Ref Skill Dv	7	Sp	AR 1110, AR 1111, w/AR 1200
AR	1230	Auto Color & Ds	2	Sp	none
ENGL	1010	Intro to Writing	3	A	none
IND	1120	Math for Indstry	3	F, Sp	none
LE	1220	Human Relation	3	A	none

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
AR	1100	5	AR	1200	5
AR	1111	7	AR	1211	7
ENGL	1010	3	AR	1230	2
IND	1120	3	LE	1220	3
TOTAL		**18**	**TOTAL**		**17**

AUTOMOTIVE INDUSTRY AND RELATED VEHICLE TRAINING

SEE **CONTINUING EDUCATION**. > > >

AVIATION TECHNOLOGY/ AVIATION MAINTENANCE TECHNICIAN

Estimated cost of tools and supplies	$550
Estimated cost of books	$350

International Airport Center, (801) 957-4143
General Information (801) 957-4073
Academic Advisor (801) 957-4550

Professors: Larry Hancock,
Associate Professor: Brian Williamson
Instructors: Eric Chandler, Steve Mendiola

THE PROGRAM

The aviation technology 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.

SKILLS USA - VICA

Skills USA (formerly VICA)--All students enrolled in the architecture 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.

PREPARATION NOTE

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.

PREREQUISITES

It is the student's responsibility to examine each course description for details about prerequisite classes.

CLASS AVAILABILITY

Students should check the semester schedule or department for day/evening availability and modifications caused by varying enrollment.

ASSOCIATE OF APPLIED SCIENCE DEGREE IN AVIATION TECHNOLOGY/ AVIATION MAINTENANCE

(minimum 87 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
MATH	1030	Quant Reas	3	A	MATH 1010
COMMUNICATION					
COM	1010	Elem Effect Com	3	A	none
HUMAN RELATIONS					
LE	1220	Human Relation	3	A	none
DISTRIBUTION AREAS					

Choose an additional three credit hours from one of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
AMTT	1120	Aircraft Regulat	8	A	w/AMTT 1140 when available.
AMTT	1140	Aircraft Elec Hrd	8	A	none
AMTT	1220	Airframe Sys I	8	A	AMTT 1120, AMTT 1140
AMTT	1240	Airframe Sys II	8	A	AMTT 1120, AMTT 1140
AMTT	1260	Airframe Sys III	8	A	AMTT 1120, AMTT 1140
AMTT	2320	Airframe Inspect	8	A	AMTT 1220, AMTT 1240, AMTT 1260
AMTT	2340	Powerplant Sys	8	A	AMTT 1120, AMTT 1140
AMTT	2420	Recip Engines	8	A	AMTT 1120, AMTT 1140
AMTT	2440	Powerplant Insp	8	A	AMTT 2320, AMTT 2340, AMTT 2420

ELECTIVE

COURSE			CR	SEM	PREREQUISITES
AMTT	2990	Special Studies	1-5	A	Instructor's approval

SAMPLE SCHEDULE

FIRST SEMESTER			SECOND SEMESTER		
AMTT	1120	8	AMTT	1220	8
AMTT	1140	8	AMTT	1240	8
LE	1220	3	DISTRIBUTION		3
MATH	1030	3	**TOTAL**		**19**
TOTAL		**22**			

THIRD SEMESTER		
AMTT	1260	8
TOTAL		**8**

FOURTH SEMESTER			FIFTH SEMESTER		
AMTT	2420	8	AMTT	2320	8
AMTT	2440	8	AMTT	2340	8
ENGL	1010	3	COM	1010	3
TOTAL		**19**	**TOTAL**		**19**

DIPLOMA IN AVIATION TECHNOLOGY/AVIATION MAINTENANCE TECHNICIAN

(minimum 84 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
COM	1010	Elem Effect Com	3	A	none
ENGL	1010	Intro to Writing	3	A	pre-test
LE	1220	Human Relation	3	A	none

MAJOR REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
AMTT	1120	Aircraft Regulat	8	A	w/AMTT 1140 when available
AMTT	1140	Aircraft Elec Hrd	8	A	none
AMTT	1160	Aviatn Tech Math	3	F, Sp	none
AMTT	1220	Airframe Sys I	8	A	AMTT 1120, AMTT 1140
AMTT	1240	Airframe Sys II	8	A	AMTT 1120, AMTT 1140
AMTT	1260	Airframe Sys III	8	A	AMTT 1120, AMTT 1140
AMTT	2320	Airframe Inspect	8	A	AMTT 1220, AMTT 1240, AMTT 1260
AMTT	2340	Powerplant Sys	8	A	AMTT 1120, AMTT 1140
AMTT	2420	Recip Engines	8	A	AMTT 1120, AMTT 1140
AMTT	2440	Powerplant Insp	8	A	AMTT 2320, AMTT 2340, AMTT 2420

ELECTIVE

COURSE			CR	SEM	PREREQUISITES
AMTT	2990	Special Studies	1-5	A	Instructor's approval

SAMPLE SCHEDULE

FIRST SEMESTER			SECOND SEMESTER		
AMTT	1120	8	AMTT	1220	8
AMTT	1140	8	AMTT	1240	8
AMTT	1160	3	LE	1220	3
TOTAL		**19**	**TOTAL**		**19**

THIRD SEMESTER		
AMTT	1260	8
TOTAL		**8**

FOURTH SEMESTER			FIFTH SEMESTER		
AMTT	2320	8	AMTT	2420	8
AMTT	2340	8	AMTT	2440	8
COM	1010	3	ENGL	1010	3
TOTAL		**19**	**TOTAL**		**19**

AVIATION TECHNOLOGY/ PROFESSIONAL PILOT

Salt Lake International Airport Executive Terminal
331 North 2370 West - (801) 957-5055
General Information (801) 957-4073
Academic Advisor (801) 957-4550

Instructors: Jerry Carlson, Nolan Clifford, Fiona Silcox

THE PROGRAM

Flight technology is designed to prepare students for pilot careers in the field of aviation. The program combines flight training with technical and professional courses essential for success in the expanding aviation and aerospace industry. Flight instruction, leading to a career as a professional pilot, is provided by FAA part 141 Flight Instructors in College Aircraft.

General education and elective courses provide training in oral and written communication and human relations skills. COM 1010 is taught using group and team activities in the learning process to develop the student's interactive skills and to build values and ethics.

PREPARATION NOTE

Minimum age is 16. English literacy in reading and speaking is required. Physical condition must be certified by an FAA medical examiner. A Class II physical exam is required at an approximate cost of $50. Financial aid is available for eligible students and must be applied for at least 3 months prior to anticipated need.

PREREQUISITES

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied or waived before the designated class may be taken.

CLASS AVAILABILITY

The semesters in which courses are taught are listed here and in the course descriptions. Students should check the class schedule for day/evening availability and modifications by varying enrollment. Academic classes will be available each semester alternating days and nights.

BOOKS AND SUPPLIES

The average cost per semester for books and supplies is $250. All textbooks can be obtained from the College's bookstore. Pilot books and supplies only will be available from the flight school on contract.

SPECIAL FEE

In addition to tuition and fees, students will pay a special fee for flight labs. This fee is based on the average flight training required for the particular certificate. This figure may change from semester to semester because of the economy and fuel costs. Since costs vary by individual abilities and aircraft equipment selected, specific costs are not indicated for each course. Total program flight cost could vary from $8,000 to $20,000, dependent upon electives selected. Payment of flight costs is on a pay-as-you-go basis. Contact the program coordinator for specifics. Federal Aviation Administration certification written and practical test flights are not included in the cost estimate and will range between $300 to $350.

CHALLENGES

Students who have completed flight courses or have specialized aviation experience may challenge courses. Contact the program coordinator for procedures.

NEW STUDENT SEMINAR

A student orientation (FLYT 1040) will provide vital program and career information. It will be conducted every semester for new and transfer students.

TRANSFER ARTICULATION

SLCC flight technology courses are accepted at all Utah colleges with an aviation program and at other institutions as electives. For specific details, contact the program coordinator.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

(minimum 67 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1030	Quant Reas	3	A	MATH 1010
	OR				
MATH	1050	College Algebra	4	A	MATH 1010
AMERICAN INSTITUTIONS (3 CREDITS)					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS

HLA			1	A	none

STUDENT CHOICE (2-3 CREDITS)

COMPUTER LITERACY

DISTRIBUTION AREAS

Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
FLYT	1010	Air Transportat	3	F, Sp	none
FLYT	1040	Aviation Orient	1	A	none
FLYT	1050	Aviation History	3	F, Sp	none
FLYT	1100	Priv Pilt Gnd Scl	4	A	none
FLYT	1140	Solo Pilot Cert Lab	1	A	concurrent w/FLYT 1100
FLYT	1150	Priv Pilt Cert	2	A	FLYT 1140
FLYT	1250	Inst Grnd Schl	3	F, Sp	FLYT 1150, w/FLYT 1260
FLYT	1260	Instr Grd Sim Lb	1	F, Sp	FLYT 1150, w/FLYT 1250
FLYT	1300	Instrument Cert	3	A	w/FLYT 1250
FLYT	1310	Hu Fact & Safety	3	F, Sp	none
FLYT	2050	Aviation Meteor	3	F, Sp	none
FLYT	2250	Physics of Flight	2	F, Sp	none

ELECTIVES (6 CREDITS)

COURSE			CR	SEM	PREREQUISITES
FLYT	1990	Special Studies	1-2	A	none
FLYT	2010	PreGrad Seminar	1	F, Sp	none
FLYT	2000	CO-OP	1-2	A	second year
FLYT	2100	Commercial Grd	3	F, Sp	FLYT 1150, FLYT 1250
FLYT	2200	CommclCertLb I	2	A	FLYT 2100
FLYT	2210	Multi-Eng Grnd Sch	2	F, Sp	FLYT 1150, w/FLYT 2220
FLYT	2220	Multi-Engine	1	A	FLYT 1150, w/FLYT 2210
FLYT	2240	CommclCertLb II	2	A	FLYT 2200
FLYT	2300	CFI/Airplane	2	A	FLYT 2340
FLYT	2340	CFI Grnd School	3	F, Sp	FLYT 2100
FLYT	2350	CFI/Instrument	1	A	FLYT 2300
FLYT	2400	CFI/Multi-Eng	1	A	FLYT 2220 and FLYT 2300
FLYT	2420	Aircraft Systems	2	F, Sp	none
FLYT	2440	Mountain Flight	1	Su, F	FLYT 2050
FLYT	2470	Corp Business	2	Sp	none

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ENGL	1010	3	ENGL	2010	3
FLYT	1040	1	FLYT	1010	3
FLYT	1100	4	FLYT	1050	3
FLYT	1140	1	FLYT	1150	2
FLYT	1310	3	FLYT	2050	3
STUDENT CHOICE		2-3	DISTRIBUTION		3
TOTAL		**14-15**	HLA		1
			TOTAL		**18**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
FLYT	1250	3	FLYT	1300	3
FLYT	1260	1	FLYT	2250	2
MATH	1030	3	FLYT ELECTIVES		6
	OR		DISTRIBTUION		9
MATH	1050	4	**TOTAL**		**20**
AMER INSTITUTIONS		3			
DISTRIBUTION		6			
TOTAL		**16-17**			

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

BARBERING/ COSMETOLOGY

Estimated cost of tools and supplies, first semester $700
Estimated cost of books and supplies per semester $ 75

(801) 957-4933
General Information (801) 957-4073
Academic Advisor (801) 957-4550

Assistant Professors: Debra Bertoch, Grace Birch, Susan Curtis, Rod Derrick, Jeri Palmer
Instructors: Kristen Akeripa, Cathy Bagley, Lyle Ferguson

THE PROGRAM

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 also is 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.

GRADUATION AND LICENSING

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 a certificate, diploma, OR degree. Successful completion of a certificate, diploma or Associate of Applied Science degree in Barbering/Cosmetology enables graduates to take the state licensing examination. Clock-hour credits towards licensing will be awarded with a C or better grade in both theory and lab classes for each semester. 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.

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 AVAILABILITY

To accommodate the needs of the community, the program is offered in the day, Monday through Friday or the evening, Monday through Thursday. In an attempt to provide this training to all those who desire it, students must understand that to retain their training station, students must continue through the program without interruption. Students who do not continue straight through the program cannot be guaranteed acceptance in subsequent terms. These students will be accommodated, provided space is available, in order of their GPA and attendance. A student must maintain a GPA of 2.0 and 97% attendance to guarantee continuation in the program.

FULL-TIME PROGRAM

The day program at Redwood Road Campus is considered a full-time program. Students in the full time program are required to register for Theory and corresponding I and II labs. (See required full time schedule.) Because this program is in high demand, students desiring to be in the full-time program must register for all required courses each semester, so as many people as possible can be accommodated. More specifically, this means that students must be registered and attending classes 8:00 a.m. to 2:50 p.m., Monday through Friday. Failing to take a full schedule of classes will jeopardize a student's status in the full-time program in subsequent terms. Students attending Jordan or Granite district programs may also be able to complete the full-time program at those locations.

PART-TIME PROGRAM

Evening programs at Redwood and Jordan Technical Center and morning and afternoon at Jordan Technical Center (JTC) and Granite High School are part-time programs. Students in the part-time program are required to register for theory and the corresponding Lab I. Additional labs may also be available on Fridays and Saturdays for students wishing to accelerate completion of the program. (See sample part-time schedule) Students from morning or afternoon programs at JTC or Granite High School may also choose to register for one of the evening programs as another method to accelerate graduation. Students who are involved in a day program may register for the desired evening program based on available space and approval of the lead instructor. Check current class schedule for time and locations.

JORDAN DISTRICT AND GRANITE HIGH SCHOOL CENTER

Salt Lake Community College, in conjunction with Jordan and Granite school districts, offers the same barbering/cosmetology program to qualified high school juniors and seniors. These part-time programs run during separate morning and afternoon sessions. Evening sessions are available at these sites for both high school and traditional college students. High school students are encouraged to attend more than one session to complete the program more quickly. These programs are taught by college instructors at approved Jordan District and Granite District sites. Students enrolling in these program must follow the same guidelines that govern the traditional program. Please note that the barbering/cosmetology program offered at the high school level is not considered a concurrent enrollment program; therefore, these students pay full tuition minus some student fees.

REGISTRATION INFORMATION

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 and will require instructor's authorization.

SKILLS USA - VICA

Skills USA (formerly VICA) -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.

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.

PREPARATION NOTE

Students who need to take preparatory classes prior to entering the program should plan on extra time to complete the program. A high school curriculum in mathematics, science and communication is highly recommended.

CLASS AVAILABILITY

Students should check with semester schedule or department for day/evening availability and modifications caused by varying enrollment. 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 (801) 957-4913.

ASSOCIATE OF APPLIED SCIENCE DEGREE IN BARBERING/ COSMETOLOGY

(minimum 76 hours required)

The Associate of Applied Science Degree can be earned by completing the course work for the Diploma and taking in addition, ENGL 1010 and a distribution elective. Please note that ENGL 1010 and the distribution elective do not earn clock hours toward licensing.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
DISTRIBUTION AREAS					
Choose an additional three credit hours from one of the following distribution areas:					
		Biological Sciences	3	A	none
		Fine Arts	3	A	none
		Humanities	3	A	none
		Interdisciplinary	3	A	none
		Physical Science	3	A	none
		Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

CERTIFICATE OF COMPLETION BARBERING/COSMETOLOGY

(minimum 61 hours required)

MAJOR COURSE REQUIREMENTS FOR ALL BARBERING/COSMETOLOGY CERTIFICATE STUDENTS

COURSE			CR	SEM	PREREQUISITES
BRC	1101	Intro Bar/Cos Lb	4	A	none
BRC	1110	Barb Theory	4	A	none
BRC	1201	Cos Orient/Lab	4	A	BRC 1101
BRC	1210	Cos Theory	4	A	BRC 1110
BRC	2301	Int Cos/Barb Lb	4	A	BRC 1201
BRC	2310	Interm Theory	4	A	BRC 1210
BRC	2401	AdvCs/Bar Lab I	4	A	BRC 2301
BRC	2410	Thry/St Bd Prp	4	A	BRC 2310
BRC	2710	Color Principles	2	A	BRC 1200
BRC	2810	Salon Success	2	A	none
COM	1010	Elem Effect Com	3	A	none
LE	1220	Human Relation	3	A	none
MGT	1100	Small Bus Mngt	3	A	none

MAJOR COURSE REQUIREMENTS FOR BARBERING/ COSMETOLOGY CERTIFICATE STUDENTS IN THE FULL-TIME PROGRAM

COURSE			CR	SEM	PREREQUISITES
BRC	1102	IntroBarbLab II	4	A	none
BRC	1202	Cos Orient/LabII	4	A	BRC 1101
BRC	2302	Int Cos/BarbLbII	4	A	BRC 1201
BRC	2402	AdvCs/BarLabII	4	A	BRC 2301

MAJOR COURSE REQUIREMENTS FOR BARBERING/ COSMETOLOGY CERTIFICATE STUDENTS IN THE PART-TIME PROGRAM

COURSE			CR	SEM	PREREQUISITES
BRC	1105	IntroBarb/LabII a	1	A	none
BRC	1205	CosOrnt/LabII a	1	A	BRC 1101
BRC	2305	IntCos/BarLbIIa	1	A	BRC 1201
BRC	2405	AdCs/BarLabIIa	1	A	BRC 2301

ELECTIVE COURSE FOR ALL BARBERING/COSMETOLOGY CERTIFICATE STUDENTS

COURSE			CR	SEM	PREREQUISITES
BRC	2990	Independent Studies	1-15	A	BRC 1110

ADDITIONAL CLOCK HOURS

Upon completion of required course work, students needing additional clock hours should register for BRC 2850 Advanced Technical Skills for 4 credits (about 180 clock hours) or BRC 2990 Independent Studies (variable credit 1-15.) The amount of credit that students should register for 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 credits.

REQUIRED FULL-TIME SCHEDULE

FIRST SEMESTER			CLK HRS	SECOND SEMESTER			CLK HRS
BRC	1101	4	180	BRC	1201	4	180
BRC	1102	4	180	BRC	1202	4	180
BRC	1110	4	60	BRC	1210	4	60
LE	1220	3	45	BRC	2710	2	30
TOTALS		**15**	**465**	COM	1010	3	45
				TOTALS		**17**	**495**

THIRD SEMESTER			CLK HRS	FOURTH SEMESTER			CLK HRS
BRC	2301	4	180	BRC	2401	4	180
BRC	2302	4	180	BRC	2402	4	180
BRC	2310	4	60	BRC	2410	4	60
MGT	1100	3	45	BRC	2810	2	45
TOTALS		**15**	**465**	**TOTALS**		**14**	**465**

RECOMMENDED PART-TIME SCHEDULE

FIRST SEMESTER			CLK HRS	SECOND SEMESTER			CLK HRS
BRC	1101	4	180	BRC	1201	4	180
BRC	1110	4	60	BRC	1210	4	60
LE	1220	3	45	BRC	2710	2	30
TOTALS		**11**	**315**	COM	1010	3	45
ALSO AVAIABLE				**TOTALS**		**13**	**315**
BRC	1105	1	45	ALSO AVAILABLE			
				BRC	1205	1	45

THIRD SEMESTER			CLK HRS	FOURTH SEMESTER			CLK HRS
BRC	2301	4	180	BRC	2401	4	180
BRC	2310	4	60	BRC	2410	4	60
MGT	1100	3	45	BRC	2810	2	45
TOTALS		**11**	**285**	**TOTALS**		**10**	**285**
ALSO AVAIABLE				ALSO AVAILABLE			
BRC	2305	1	45	BRC	2405	1	45

DIPLOMA/ BARBERING/COSMETOLOGY

(minimum 70 hours required)

MAJOR COURSE REQUIREMENTS FOR ALL BARBERING/COSMETOLOGY DIPLOMA STUDENTS

COURSE			CR	SEM	PREREQUISITES
BRC	1101	Intro Bar/Cos Lb	4	A	none
BRC	1110	Barb Theory	4	A	none
BRC	1201	Cos Orient/Lab	4	A	BRC 1101
BRC	1210	Cos Theory	4	A	BRC 1110
BRC	2301	Int Cos/Barb Lb	4	A	BRC 1201
BRC	2310	Interm Theory	4	A	BRC 1210
BRC	2401	AdvCs/Bar Lab I	4	A	BRC 2301
BRC	2410	Thry/St Bd Prp	4	A	BRC 2310
BRC	2710	Color Principles	2	A	BRC 1200
BRC	2810	Salon Success	2	A	none
BRC	2860	Ethnic Hair	2	F, Sp	BRC 2710, BRC 2810, COM 1010, LE 1220, MGT 1100
BRC	2870	Adv Hair Design	2	F, Sp	BRC 2710, BRC 2810, COM 1010, LE 1220, MGT 1100
COM	1010	Elem Effect Com	3	A	none
LE	1220	Human Relation	3	A	none
MGT	1100	Small Bus Mngt	3	A	none

MAJOR COURSE REQUIREMENTS FOR BARBERING/ COSMETOLOGY DIPLOMA STUDENTS IN THE FULL-TIME PROGRAM

COURSE			CR	SEM	PREREQUISITES
BRC	1102	IntroBarbLab II	4	A	none
BRC	1202	Cos Orient/LabII	4	A	BRC 1101
BRC	2302	Int Cos/BarbLbII	4	A	BRC 1201
BRC	2402	AdvCs/BarLabII	4	A	BRC 2301

MAJOR COURSE REQUIREMENTS FOR BARBERING/ COSMETOLOGY DIPLOMA STUDENTS IN THE PART-TIME PROGRAM

COURSE			CR	SEM	PREREQUISITES
BRC	1105	IntroBarb/LabII a	1	A	none
BRC	1205	CosOrnt/LabII a	1	A	BRC 1101
BRC	2305	IntCos/BarLbIIa	1	A	BRC 1201
BRC	2405	AdCs/BarLabIIa	1	A	BRC 2301

ADDITIONAL CLOCK HOURS

Upon completion of required course work, students needing additional clock hours should register for BRC 2990 Independent Studies (variable credit 1-15). The amount of credit that students should register for is based upon 1 credit e-qual 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 credits.

REQUIRED FULL-TIME SCHEDULE

FIRST SEMESTER			CLK HRS	SECOND SEMESTER			CLK HRS
BRC	1101	4	180	BRC	1201	4	180
BRC	1102	4	180	BRC	1202	4	180
BRC	1110	4	60	BRC	1210	4	60
LE	1220	3	45	BRC	2710	2	30
TOTALS		**15**	**465**	COM	1010	3	45
				TOTALS		**17**	**495**

THIRD SEMESTER			CLK HRS	FOURTH SEMESTER			CLK HRS
BRC	2301	4	180	BRC	2401	4	180
BRC	2302	4	180	BRC	2402	4	180
BRC	2310	4	60	BRC	2410	4	60
MGT	1100	3	45	BRC	2810	2	45
TOTALS		**15**	**465**	BRC	2860	2	45
				BRC	2870	2	45
				TOTALS		**18**	**555**

RECOMMENDED PART-TIME SCHEDULE

FIRST SEMESTER			CLK HRS	SECOND SEMESTER			CLK HRS
BRC	1101	4	180	BRC	1201	4	180
BRC	1110	4	60	BRC	1210	4	60
LE	1220	3	45	BRC	2710	2	30
TOTALS		**11**	**315**	COM	1010	3	45
ALSO AVAIABLE				**TOTALS**		**13**	**315**
BRC	1105	1	45	ALSO AVAILABLE			
				BRC	1205	1	45

THIRD SEMESTER			CLK HRS	FOURTH SEMESTER			CLK HRS
BRC	2301	4	180	BRC	2401	4	180
BRC	2310	4	60	BRC	2410	4	60
BRC	2860	2	45	BRC	2810	2	45
MGT	1100	3	45	BRC	2870	2	45
TOTALS		**13**	**330**	**TOTALS**		**12**	**330**
ALSO AVAILABLE				ALSO AVAILABLE			
BRC	2305	1	45	BRC	2405	1	45

BAIL ENFORCEMENT TRAINING

SEE **CONTINUING EDUCATION**. > > >

BIOLOGY

Science and Industry Building 345 (801) 957-4944
General Information (801) 957-4073
Academic Advisor SC240H (801) 957-4978

Professors: James Hampton, William Tanner
Associate Professor: Arleen Sawitzke
Assistant Professors: Tim Beagley, Melany Cook, Jane Rudolph
Instructors: Jim Blevins, Christine Iltis

THE PROGRAM

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.

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.

CLASS AVAILABILITY

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.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

(minimum 63 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1210	Calculus I	4	A	MATH 1060
AMERICAN INSTITUTIONS (3 CREDITS)					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS

HLA	____		1	A	none

STUDENT CHOICE (2-3 CREDITS)

Communications, depth, or intensive course.

COMPUTER COMPETENCY

DISTRIBUTION AREAS

Complete the following distribution (BS) courses:

BIOL	1210	General Biology	4	A	w/BIOL 1220 (Lab)

Also, choose an additional three credit hours from each of the following areas:

Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Social Science	3	A	none

Physical Science area is exempted; CHEM 1210 is required for program.
See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
BIOL	1330	Plant Biology	4	F, Sp	BIOL 1210/1220 (C grade or better), w/BIOL 1340 (lab)
BIOL	1350	Animal Biology	4	F, Sp	BIOL 1210/1220 (C grade or better), w/BIOL 1360 (lab)
BIOL	2030	Genetics	4	F	CHEM 1210, BIOL 1210/ 1220 (C grade or better), w/BIOL2035 (lab)
CHEM	1210	Gen Chem I	4	F, Sp	MATH 1050
CHEM	1230	Gen Chem I Lab	1	F, Sp	w/CHEM 1210
CHEM	1220	General Chem II	4	Sp,Su	CHEM 1210
CHEM	1240	Gen Chem Lab II	1	Sp,Su	w/CHEM 1220
CHEM	2310	Organic Chem I	4	F, Sp	CHEM 1220, w/CHEM 2330
CHEM	2330	Orgn Chem I Lab	1	F, Sp	w/CHEM 2310

ELECTIVES (4 CREDITS)

[1]BIOL	2020	Cell Biology	4	F, Sp	BIOL 1210/1220 (C grade or better) w/BIOL 2025 (lab)
BIOL	2050	Human Anatmy	4	A	BIOL 1170 or BIOL 1210 (C grade or better), w/BIOL 2060 (lab)
BIOL	2100	Human Physiology	4	A	BIOL 1170 or BIOL 1210, (C grade or better) CHEM 1110, w/BIOL 2110 (lab)
BIOL	2140	Microbiology	4	A	BIOL 1170 or BIOL 1210 (C grade or better), w/BIOL 2150 (lab)

[2]BIOL	2330	Ecology	4	Sp	BIOL 1330 or BIOL 1350 (C grade or better) w/BIOL 2340 (lab)
BIOL	2350	Field Studies Bio	1-3	TBA	BIOL 1210/1220 (C grade or better)
CHEM	2320	Organ Chem II	4	Sp, Su	CHEM 2310, w/CHEM 2340
CHEM	2340	Org Chm Lab II	1	Sp, Su	w/CHEM 2320
PHY	2210	Engin Physics I	4	A	MATH 1210, w/PHY 2230
PHY	2230	Engin Physics Lab I	1	A	w/PHY 2210
PHY	2220	Engin Physics II	4	A	PHY 2210
PHY	2240	Engin Phys Lab II	1	A	w/PHY 2220

[1]BIOL 2020/2025 Cell Biology and Lab are required for students transferring to the University of Utah.
[2]BIOL 2330/2340 Ecology and Lab are required for students transferring to Utah State University.

SAMPLE SCHEDULE

FALL SEMESTER		SPRING SEMESTER	
BIOL 1210/1220	4	BIOL 1330/1340	4
CHEM 1210/1230	5	BIOL 1350/1360	4
MATH 1210	4	CHEM 1220/1240	5
DISTRIBUTION	3	DISTRIBUTION	3
TOTAL	**16**	**TOTAL**	**16**

2ND FALL SEMESTER		2ND SPRING SEMESTER	
BIOL 2030/2035	4	ENGL 2010	3
CHEM 2310/2330	5	DISTRIBUTION	3
ENGL 1010	3	AMER INSTITUTIONS	3
HLA ELECTIVE	1	STUDENT CHOICE	2-3
DISTRIBUTION	3	ELECTIVE	4
TOTAL	**16**	**TOTAL**	**15-16**

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

DEPARTMENTAL OFFERINGS

COURSE			CR	SEM	PREREQUISITES
BIOL	1010	Intro to Biology	4	A	w/BIOL 1020 (lab)
BIOL	1030	Intro Plant Biology	4	F, Sp	w/BIOL 1040 (lab)
BIOL	1050	Intro Animal Biology	4	A	w/BIOL 1060 (lab)
BIOL	1070	Intro to Marine Bio	4	F, Sp	w/BIOL 1080 (lab)
BIOL	1110	Intro Hum Anatomy	3	A	none
BIOL	1150	Phys of Exercise	3	Sp	none
BIOL	1170	Foundations of Biol	4	A	w/BIOL 1180
BIOL	1210	General Biology	4	A	w/BIOL 1220
BIOL	1330	Plant Biology	4	F, Sp	BIOL 1210/1220 (C grade or better), w/BIOL 1340 (lab)
BIOL	1350	Animal Biology	4	F, Sp	BIOL 1210/1220 (C grade or better), w/BIOL 1360 (lab)
BIOL	2000	CO-OP	2-4	A	Instructor's approval
BIOL	2020	Cell Biology	4	F, Sp	BIOL 1210/1220 (C grade or better), w/BIOL 2025
BIOL	2030	Genetics	4	F	CHEM 1210, BIOL 1210/1220 (C grade or better), w/BIOL2035 (lab)
BIOL	2050	Human Anatmy	4	A	BIOL 1170 or BIOL 1210 (C grade or better), w/BIOL 2060 (lab)
BIOL	2100	Human Physiology	4	A	BIOL 1170 or BIOL 1210, (C grade or better) CHEM 1110, w/BIOL 2110 (lab)
BIOL	2140	Microbiology	4	A	BIOL 1170 or BIOL 1210 (C grade or better), w/BIOL 2150 (lab)
BIOL	2330	Ecology	4	Sp	BIOL 1330 or BIOL 1350 (C grade or better) w/BIOL 2340 (lab)
BIOL	2350	Field Studies Bio	1-3	TBA	BIOL 1210/1220 (C grade or better)
BIOL	2900	Spec Topics in Bio	1-5	TBA	Defined by Instructor
BIOL	2990	Independent Studies	1-2	A	BIOL 1170 or BIOL 1210 (C grade or better) w/BIOL2110
SCI	1000	Integrated Science	3	A	none

BIOTECHNOLOGY TECHNICIAN

Estimated cost of books and supplies per semester	$175
Lab coats	$10-$12
Lab fees per semester	$25

General Information (801) 957-4073
Academic Advisor SC240 (801) 957-4407
115 B Jordan Campus, 957-2851

Director: Dr. Tamara L. Goetz, Ph.D.
Instructor: Smiljka Kitanovic

THE PROGRAM

The Biotechnology Technicians Program (BTP) is a rewarding 2-year A.A.S. program in which students master skills required to be highly competitive for technical positions in biotechnology research and manufacturing. The Program emphasizes partnerships with local industries to provide students with the most current and cutting edge knowledge and techniques in the field.

The program emphasizes hands-on experience with over 100 hours spent in the laboratory, beginning in the second semester of the Program. Skills include DNA cloning and analysis, expression and purification of proteins, cell culture techniques, enzyme and antibody assays, bioprocessing, bioinformatics, industrial standards and communication skills. Students will do internships at local biotechnology companies, giving them a unique opportunity to apply their knowledge in an industry environment.

Courses are taught by faculty with extensive experience in laboratory research. Further, industry instructors will teach courses to provide students with the most up-to-date knowledge in a field known to be dynamic and constantly changing. The coursework is designed to make graduates competitive for employment upon graduation, but also emphasizes transfer to schools within the Utah System of Higher Education.

Career opportunities are abundant and growing with the industry. A biotechnology technician may be employed in a variety of areas including medicine, agriculture, forensics and medical environmental science device development. Salaries range from $24,000-32,000 and the potential for promotion and further education is good.

PREREQUISITES/PREPARATION NOTES

It is the student's responsibility to examine each course description or 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. Advising through BTP faculty is recommended before admission into the Program.

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.

ASSOCIATE OF APPLIED SCIENCE IN BIOTECHNOLOGY TECHNICIAN

(minimum of 67 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pretest

QUANTITATIVE LITERACY

MATH 1010	Interm Algebra	4	A	MATH 970 or CPT

COMMUNICATION

COM 1010	Ele of Eff Comm	3	A	none

HUMAN RELATIONS

LE 1220	Hmn Reltns f/Car Devt	3	A	none

DISTRIBUTION AREAS

Choose an additional 3 credit hours from one of the following distribution areas:

Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
BIOL	1210	General Biology	3	A	w/BIOL 1220
BIOL	1220	General Biol Lab	0	A	w/BIOL 1210
BIOL	2140	Microbiology	3	A	BIOL 1210, w/BIOL 2150
BIOL	2150	Microbiology Lab	0	A	w/BIOL 2140
BIOL	2170	Cell Biology	3	F, Sp	BIOL 1210, w/BIOL 2180
BIOL	2180	Cell Biology Lab	0	F, Sp	w/BIOL 2170
BIOL	2210	Genetics	3	F	BIOL 1210, CHEM 1210, w/BIOL 2220
BIOL	2220	Genetics Lab	0	F	BIOL 1210, CHEM 1210, w/BIOL 2210
CHEM	1110	Elem Chemistry	4	A	MATH 1010
BTEC	1010	Fund Biotech I	3	F, Sp	none
BTEC	1020	Fund Biotech II	3	F, Sp	BTEC 1010
BTEC	1030	Seminar I	2	F, Sp	none
BTEC	1060	NucAcidProtBchm	2	F, Sp	BIOL 1210, BTEC 1010
BTEC	2010	DNA Manip/Anl	4	F, Sp	BTEC 1010, BIOL 1210
BTEC	2020	Protein Sep/Anl	4	F	BTEC 1020, BTEC 1060, BIOL 2170
BTEC	2030	Cell Clture Technqs	3	F, Sp	BIOL 2170
BTEC	2040	Adv DNA Lab Tech	4	Sp	BTEC 2020
BTEC	2050	Bioinformatics	2	F, Sp	BTEC 2010
BTEC	2100	Biotech Externship	7	A	BTP faculty approval*

*The externship can be arranged at any time after the first year upon receiving SLCC BTP faculty approval.

ADVISING NOTES

For students considering transfer of the Biotechnology Technician A.A.S. degree to a 4 year institution, CHEM 1210/1230 and MATH 1050 are recommended in place of CHEM 1110 and MATH 1010. CHEM 1110/1130 can be substituted for the CHEM 1210/1230 prerequisite for BIO 2210 for Biotechnology students.

SAMPLE SCHEDULE

FIRST SEMESTER			SECOND SEMESTER		
BIOL	1210	3	BIOL	2170	3
BIOL	1220	0	BIOL	2180	0
BTEC	1010	3	BTEC	1020	3
BTEC	1030	2	BTEC	1060	2
ENGL	1010	3	BTEC	2010	4
MATH	1010	4	CHEM	1110	4
DISTRIBUTION		3	**TOTAL**		**16**
TOTAL		**18**			

THIRD SEMESTER			FOURTH SEMESTER		
BIOL	2140	3	BTEC	2040	4
BIOL	2150	0	BTEC	2050	2
BIOL	2210	3	BTEC	2100	7
BIOL	2220	0	LE	1220	3
BTEC	2020	4	**TOTAL**		**16**
BTEC	2030	3			
COM	1010	3			
TOTAL		**16**			

BOILERMAKER JATC TECHNOLOGY APPRENTICESHIP

SEE **APPRENTICESHIPS**. > > >

BOILERMAKER/WELDER/LAYOUT APPRENTICESHIP

SEE **APPRENTICESHIPS**. > > >

BRICK MASON TECHNOLOGY APPRENTICESHIP

SEE **APPRENTICESHIPS**. > > >

BROADCAST VIDEO/AUDIO PRODUCTION

NOTE: This proposed program is pending approval by the Board of Regents. Financial aid is available only to those programs approved by the Board of Regents.

General Information (801) 957-4073
Academic Advisor (801) 957-4294

Professors: Carolyn Clark, Nina Edgmand
Associate Professors: Randal Chase, Shirley Jones, Reed Markham
Assistant Professors: Art Kanehara, Jay Williams

THE PROGRAM

The Broadcast Video/Audio Production program is an extensive 2-year A.A.S. degree. Student's master concepts and skills required for professional positions in the radio and television broadcasting, video production, and audio production professions. The program includes internships through partnerships with local broadcast and production facilities. It also includes hands-on experience with all of the student media at Salt Lake Community College.

Students begin with fundamental skills training in personal, visual, and audio communication settings. These involve hands-on labs and personal production and performance assignments. The fundamental concepts behind these practices are taught as well, providing a critical understanding of why things are done in a particular way in professional broadcasting, video, and audio productions. Among the skills covered are writing, editing, vocal and visual performance, pre-production planning, studio and field production projects, and post-production editing and distribution. The very best content is broadcast or otherwise distributed through Salt Lake Community College's student media channels.

Students are also introduced to the elements, trends and consequences of the many new media technologies, as well as integrated multimedia production. This provides a timely and relevant education that will make them competitive for jobs in today's highly integrated media environment. Faculty with extensive industry experience, as well as solid academic credentials teach courses.

Career opportunities in broadcasting, video, and audio production are extensive in today's media-savvy world. Students can specialize in particular aspects of the field, or can seek a broader, more eclectic degree. This is made possible by a broad range of elective courses that can be used to tailor the degree to the needs and desires of individual students.

TRANSFER INFORMATION

Although the Broadcast Video/Audio 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 & Audio at Utah State Univer-

sity should obtain advising regarding the requirements and course selection criteria for the bachelor's program.

PREPARATION NOTE
Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete a certificate.

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.

CLASS AVAILABILITY
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.

ASSOCIATE OF APPLIED SCIENCE IN BROADCAST VIDEO/AUDIO PRODUCTION

(minimum 63-69 hours required)

GENERAL EDUCATION REQUIREMENTS

(18 HOURS REQUIRED)

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	none
QUANTITATIVE LITERACY					
MATH	1030	Quant Reasoning	3	A	none
COMMUNICATION					
COM	1010	Elem of Effect Com	3	A	none
HUMAN RELATIONS					
HR Elective			3	A	none

DISTRIBUTION AREAS
Choose an additional six credit hours from at least two of the following distribution areas:*

Biological Science	3	A	none
Fine Arts	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

* Potential transfer students should consult with an advisor in selecting distribution areas that contribute towards an Associate of Science degree. See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

(41-45 HOURS REQUIRED, PLUS INTERNSHIP)

COURSE			CR	SEM	PREREQUISITES
COM	1200	Prin of Pub Speak	3	A	none
COM	1250	Broad Perfor& Inter	3	F,Sp	none
COM	1500	Intro to Mass Com	3	A	none
COM	1510	Intro to Broad Prod	5	F, Sp	none, w/COM 1511
COM	1800	Multimed Essentials	4	A	none
COM	2500	Ele/Iss of Dig Med	4	A	none
COM	2000	CO-OP/Internship	1-6	A	none
COM	2520	Telec Web Prod/Perf	3	Sp	none, w/COM 2521
COM	2560	Intro to Visl Com	4	F,Sp	none
COM	2590	Med Mngt and Sales	3	Sp	none
COM	2900	Sec Year Prod Proj	3	TBA	COM 2510/11 or COM 2530/31

COMPLETE ONE OF THE FOLLOWING SPECIALIZATION AREAS:

VIDEO

COM	2310	Intm Video Productn	4	F, Sp	none , w/COM 2311
COM	2510	Adv Video Prod	4	F, Sp	none, w/COM 2511

AUDIO

COM	1530	Radio Production	3	A	none , w/COM 1531
COM	2530	Radio Performance	3	A	none, w/COM 2531

ELECTIVES

(Choose according to special interests as schedule permits)

COURSE			CR	SEM	PREREQUISITES
COM	1050	Elem of Hum Com	3	A	none
COM	1120	Small Grp Com	3	Sp	none
COM	1600	Rprting f/Mass Med	4	A	none
COM	1610	Journ I-Reporting	3	F, Sp	none
COM	1620	Journ II - Editing	3	F, Sp	none
COM	1630	Journ III - Layout	3	F, Sp	none
COM	2110	Interper Commun	3	A	none
COM	2130	Prin of Interview	3	F,Sp	none
COM	2150	Intercult Comm	3	Sp	none
COM	2170	Organizational Com	3	F,Sp	none
COM	2550	Introduction to PR	3	Sp	none
** COM Elect. **If applicable.			0-9		

The number of internship hours determines number of hours students have available for electives to meet AAS credit hour requirements (63-69 total.) Other electives may be selected with prior COM department approval. Among disciplines with applicable electives are: Writing, Acting, 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		
COM	1010	3
COM	1250	3
COM	1510	4
COM	1511	1
COM	1800	4
ENGL	1010	3
TOTAL		**18**

SPRING SEMESTER		
AUDIO SPECIALTY		3
OR		
VIDEO SPECIALTY		4
COM	1200	3
COM	1500	3
COM	2560	4
DISTRIBUTION		3
TOTAL		**16-17**

2ND FALL SEMESTER		
AUDIO SPECIALTY		3
OR		
VIDEO SPECIALTY		4
COM	2520	2
COM	2521	1
MATH	1030	3
DISTRIBUTION		3
TOTAL		**16-17**

2ND SPRING SEMESTER		
COM	2000	1-6
COM	2590	3
COM	2900	3
HUMAN RELATIONS		3
COM ELECTIVE		0-9
TOTAL		**10-15**

BUILDING CONSTRUCTION/ CONSTRUCTION MANAGEMENT

(801) 957-4074
General Information (801) 957-4073
Academic Advisor CT 186 (801) 957-4550

Associate Professors: Mark Seaman
Assistant Professor: James Miller
Instructors: Curtis Barnett, Chad Fail David James, Rick Lofgren, Ralph Tasker

THE PROGRAM
Building Construction/Construction Management offers a variety of degree options. The AAS degree provides theoretical and hands-on

training in concrete, framing carpentry, finish carpentry, cabinetmaking, and construction management. This program has been tailored to give students a range of options as well as to meet the needs of industry.

Many students considering these degrees have had previous training and/or construction experience. Prior training and work experience can be evaluated and students may receive credit for some courses. Interested students should contact Building Construction/Construction Management faculty for additional information.

Many students considering these degrees, or diplomas, have had previous construction experience. Prior work experience can be evaluated and students may receive credit for some courses. Interested students should contact Building Construction/Construction Management faculty for additional information.

ASSOCIATE OF SCIENCE DEGREE

An Associates Degree can be earned by fulfilling the listed requirements which have been articulated with the Weber State University baccalaureate degree in Construction Management. (This degree is not available at the Utah State Prison Satellite.)

ASSOCIATE OF APPLLIED SCIENCE TRACK 1

This degree requires students to acquire comprehensive knowledge and skills relative to a wide range of construction activities. Students will receive actual hands-on experience in erecting footings and foundations, framing carpentry, finish carpentry, cabinetwork, and construction management. Workplace skills such as human relations, oral communications, critical thinking, teamwork, and written communications are also addressed. Site work is also included.

ASSOCIATE OF APPLIED SCIENCE TRACK 2

Fulfilling the Track 2 requirements results in the receipt of an Associate of Applied Science degree (currently available only for SLCC students at the Utah State Prison Satellite.) This degree allows students to specialize their training in one or two specific areas of construction. Specializations are available in concrete work, framing, carpentry, finish carpentry, cabinetmaking, and construction management.

SKILLS USA - VICA

Skills USA (formerly VICA) - All students enrolled in the building construction/construction management 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.

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. All courses must be completed with a C or better grade in prerequisite classes to continue in the program.

ELECTIVE OPTION

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 is applied toward graduation requirements as an elective credit. Contact the cooperative education department at (801) 957-4014.

CLASS AVAILABILITY

The semesters in which courses are taught are listed below. Students should check the semester class schedule for the day/evening availability and modifications caused by varying enrollment.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

These requirements are designed to transfer to Weber State University's BS degree in Construction Management. In addition to required courses within the AS degree, students may take additional SLCC courses that apply to technical, business and math/science elective requirements for a bachelor's at Weber (see Transfer Recommendations). Contact the transfer ademic advisor at 957-4238 for current information.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ENGL	1010	Intro to Writing	3	A	CPT placement
ENGL	2010	Intermediate Writing	3	A	ENGL 1010
	OR				
ENGL	2100	Technical Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1060	Trigonometry	3	A	MATH 1050
AMERICAN INSTITUTIONS (CHOOSE ONE)					
ECON	1740	Econ History of the US	3	A	none
	OR				
HIS	1700	American Civ	3	A	none
	OR				
POLI	1100	US Gov and Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS					
HLA			1	A	none
STUDENT CHOICE (2-3 CREDITS)					
COM	1010	Effective Comm	3	A	none
	OR				
COM	1200	Pulic Speaking	3	A	none
COMPUTER COMPETENCY					
DISTRIBUTION AREAS					

Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Social Sciences	3	A	none

Physical Science distribution area is exempted; PHY 2010 is required for the program and Weber State University.

Weber State University requires a Diversity course for graduation. **ONE** of the following should be taken as part of the General Education Distribution Areas: ENGL 2710 (HU), ANTH 1010, GEOG 1600, SOC 1020 (ID), HIS 1020, SOC 1010, or SOC 2370 (SS).

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS (32 CREDITS)

COURSE			CR	SEM	PREREQUISITES
ARCH	2060	Const Docm Fund	3	F	ARCH 1010 or instructor's approval
PHY	2010	Mech/Heat/Wvs	4	A	MATH 1060, w/PHY 2030
PHY	2030	Physics Lab 1	1	A	w/PHY 2010
BCCM	1010	Bldg Const Theory	5	F, Sp	none
BCCM	1150	Blueprint Reading	3	F, Sp	none
BCCM	2050	Concrete Theory	3	F, Sp	BCCM 1010 or ARCH 1210
BCCM	2240	Const Estimating	5	A	BCCM 1010 or equivelent
BCCM	2470	Bldg Codes/Zon	2	F, Sp	BCCM 1010
BCCM	2200	Const Office Mgmt	3	A	All BCCM 1000 courses, except 1010, or equivelent experience.

ELECTIVES

Students may select electives (listed below) desigend to meet Weber State University requirements for the bachelor's degree in Construction Management Technology from the Transfer Recommendations (below). If students have not had "hands on" construction experience, it is recommended that they take Construction Lab (BCCM 1050) and Construction Safety (BCCM 1030) as electives at SLCC. these courses are not required in Weber's program, but they would provide importnat background for students with no prior construction experience.

TRANSFER RECOMMENDATIONS

These lower division classes, eyond the AS degree, are required for the BS degree at Weber State University and can be taken at SLCC.

COURSE			CR	SEM	PRERREQUISITES
ACCT	1220	Survey Fin Acct	3	A	none
ARCH	2210	Commercial Const	5	A	ARCH 1210 or BCCM 1010
ARCH	2240	Applied Structures	4	A	none
ECON	2010	Microeconomics	3	A	none
GEOL	1110	Physical Geology	3	F	w/GEOL 1120
	AND				
GEOL	1120	Physical Geology Lab	1	F	w/GEOL 1110
	OR				
GEOL	1160	Environmental Geology	3	Sp	w/GEOL 1170
	AND				
GEOL	1170	Env Geology Lab	1	Sp	w/GEOL 1160
MGT	2050	Legal Env Bus	3	A	BUS 1050
SVT	1030	Surveying Field Techn	4	F	SVT 1110

SAMPLE SCHEDULE

FIRST SEMESTER			SECOND SEMESTER		
BCCM	1010	5	BCCM	2050	3
BCCM	1150	3	ENGL	2010	3
ENGL	1010	3		OR	
MATH	1060	3	ENGL	2100	3
HLA		1	AMER INSTITUTIONS		3
TOTAL		15	DISTRIBUTION		6
			TOTAL		15

THIRD SEMESTER			FOURTH SEMESTER		
ARCH	2060	3	BCCM	2210	3
BCCM	2200	3	BCCM	2240	5
BCCM	2470	2	DISTRIBUTION		9
PHY	2010	4	**TOTAL**		**17**
PHY	2030	1			
STUDENT CHOICE		3			
TOTAL		**16**			

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

ASSOCIATE OF APPLIED SCIENCE IN BUILDING CONSTRUCTION/ CONSTRUCTION MANAGEMENT TRACK 1

(63 Credits Required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ENGL	1010	Intro to Writing	3	A	CPT placement
COM	1010	Elem Effect Com	3	A	none
LE	1220	Human Relations	3	A	none
Distribution Elective			3	A	none

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
BCCM	1030	Const. Safety	3	F, Sp	none
BCCM	1040	Bgng Struct Const	3.5	F, Sp	w/BCCM 1060
BCCM	1060	Bgng Struct Theory	1	F, Sp	w/BCCM 1040
BCCM	1100	Construction Math	5	A	none
BCCM	1140	Bgng Interior Finishes	3.5	F, Sp	w/BCCM 1160
BCCM	1150	Blueprint Reading	3	A	none
BCCM	1160	Bgng Int Finish Theory	1	F, Sp	w/BCCM 1140
BCCM	1240	Bgng Cabinetmaking	3.5	A	w/BCCM 1260
BCCM	1260	Bgng Cabinet Theory	1	A	w/BCCM 1240
BCCM	2040	Adv Structural Const	3.5	F, Sp	BCCM 1040, BCCM 1060, w/BCCM 2060
BCCM	2060	Adv Structural Theory	1	F, Sp	BCCM 1040, BCCM 1060, w/BCCM 2040
BCCM	2140	Adv Interior Finishes	3.5	F, Sp	BCCM 1140, BCCM 1160, w/BCCM 2170
BCCM	2170	Adv Int Fin Theory	1	F, Sp	BCCM 1140, BCCM 1160, w/BCCM 2140
BCCM	2200	Const Office Manage	3	A	All 1000 level required courses or equivalent experience
BCCM	2210	Const Field Manage	3	A	All 1000 level required courses or equivalent experience
BCCM	2230	Adv Cabinetmaking	3.5	A	BCCM 1240, BCCM 1260, w/BCCM 2260
BCCM	2240	Const Estimating	5	A	All 1000 level required courses or equivalent experience
BCCM	2260	Adv Cabinet Theory	1	A	BCCM 1240, BCCM 1260, w/BCCM 2230
BCCM	2470	Building Codes	2	A	All 1000 level required courses or equivalent experience

SAMPLE SCHEDULE

FIRST SEMESTER			SECOND SEMESTER		
BCCM	1030	3	BCCM	1140	3.5
BCCM	1040	3.5	BCCM	1150	3
BCCM	1060	1	BCCM	1160	1
BCCM	1100	5	BCCM	2140	3.5
BCCM	2040	3.5	BCCM	2170	1
BCCM	2060	1	LE	1220	3
TOTAL		**17**	**TOTAL**		**15**

THIRD SEMESTER			FOURTH SEMESTER		
BCCM	1240	3.5	BCCM	2200	3
BCCM	1260	1	BCCM	2210	3
BCCM	2230	3.5	BCCM	2240	5
BCCM	2260	1	BCCM	2470	2
ENGL	1010	3	COM	1010	3
DISTRIBUTION		3	**TOTAL**		**16**
TOTAL		**15**			

ASSOCIATE OF APPLIED SCIENCE IN BUILDING CONSTRUCTION/ CONSTRUCTION MANAGEMENT TRACK 2

(Track 2 is available only for SLCC students at the Utah State Prison Satellite.)
(Minimum 65-69 Credits Required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PRERREQUISITES
ENGL	1010	Intro to Writing	3	A	CPT placement
COM	1010	Elem Effect Com	3	A	none
LE	1220	Human Relations	3	A	none
*Distribution Elective			3	A	none

DISTRIBUTION AREAS

Choose an additional three credits from one of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none

Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE		CR	SEM	PREREQUISITES
BCCM 1010	Bldg Const Theory	5	F, Sp	none
BCCM 1030	Const Safety	3	F, Sp	none
BCCM 1050	Bldg Const Ovr Lab	7	F, Sp	none
BCCM 1100	Construct Math	5	F, Sp	none
BCCM 1150	Blueprint Rdng	3	A	none
BCCM 1200	Personal Projects	7	F, Sp	none
BCCM 2210	Const Field Mngmt	3	A	All BCCM 1000 level required courses or equivalent experience

SELECT ONE OF THE FOLLOWING SPECIALIZATIONS:

Select one of the following specializations to be taken in the third semester and a second one to be taken in the fourth semester.

A.	BCCM 2010	Framing Theory	5
	BCCM 2030	Framing Lab	7
B.	BCCM 2050	Concrete Theory	3
	BCCM 2080	Concrete Lab	7
C.	BCCM 2100	Finish Crpnt Theory	5
	BCCM 2130	Finish Lab	7
D.	BCCM 2150	Cabinet Work Theory	5
	BCCM 2180	Cabinet Work Lab	7
E.	BCCM 2200	Const Office Mngt	3
	BCCM 2240	Const Estimating	5
	BCCM 2470	Bldg Codes/Zoning	2

SAMPLE SCHEDULE

FIRST SEMESTER			SECOND SEMESTER		
BCCM	1010	5	BCCM	1100	5
BCCM	1030	3	BCCM	1150	3
BCCM	1050	7	BCCM	1200	7
LE	1220	3	**TOTAL**		**15**
TOTAL		**18**			
THIRD SEMESTER			**FOURTH SEMESTER**		
SPECIALIZATION COURSES		10-12	BCCM	2210	3
COM	1010	3	SPECIALIZATION COURSES		10-12
DISTRIBUTION		3	ENG	1010	3
TOTAL		**16-18**	**TOTAL**		**16-18**

BUILDING MAINTENANCE TECHNOLOGY APPRENTICESHIP

SEE **APPRENTICESHIPS**. > > >

BUSINESS

Estimated cost of books and supplies per semester $350 to $450

Business Building 105 (801) 957-4322
General Information (801) 957-4073
Academic Advisor BB 132A (801) 957-4300

FACULTY

Faculty members represent the following areas: accounting, business communication, business management, computer information systems, economics, finance and credit, and marketing.

THE PROGRAM

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. The Associate of Arts degree requires the study of a foreign language. Initial transfer information can be obtained through the Academic Advisor, Redwood Road Campus, Business Building, room 132A.

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.

General Education and majors courses provide training in oral and written communication and human relations skills. BUS 1050 - Business and Society, is taught through group and team activities to develop the students' interactive skills and to build human values and ethics.

All business programs at SLCC are 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.

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.

CIS 1020 - Computer Essentials is the required computer proficiency course for business schools at Utah four-year colleges and universities. They require a grade of B or better, or a Pass on the Challenge Exam to demonstrate computer proficiency for upper-division course work. Students who want to challenge the exam are advised to review the self-scoring practice tests available on the Computer Information Systems department website, www.slcc.edu. An 80% or higher is required on each section of the test. For further information on the $25 Challenge Exam, contact the Assessment and Testing centers. This exam is only available during semesters. Once the exam is passed, a P is posted to the transcript and credit is awarded.

ELECTIVE OPTIONS

These are based on requirements of intended institution of transfer. Contact the business academic advisor.

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 INFORMATION

(SUBJECT TO CHANGE BY FOUR-YEAR COLLEGES AND UNIVERSITIES.)

Course articulation agreements exist with Brigham Young University, Brigham Young University-Idaho, Southern Utah University, University of Utah, Utah State University, Utah Valley State College, Weber State University and Westminster College. Agreements are available in Business Building, room 132, or Student Center room 230 in the Transfer Center files. Transfer planning is essential, please see academic advisor. Advisors are available in Business Building, room 132, or Student Center room 230.

BRIGHAM YOUNG UNIVERSITY

Pre-Management core courses: CIS 1020, ACCT 1220, ACCT 1230, BUS 2150, ECON 2010, ECON 2020, MGT 2200 and MGT 2300. CIS 1020 with a B grade or better, clears the computer proficiency

requirement to enter upper-division course work. Typical GPA of students recently admitted to upper-division is a 3.8 in the Pre-Management core and an overall GPA of 3.66. Accounting majors must complete the accounting courses must be completed with a 'B' or better.

BRIGHAM YOUNG UNIVERSITY - IDAHO

BYU-Idaho offers bachelors degrees in Accounting with suggested minors of Business Management or Information Systems. The Pre-Accounting core must be completed with a cumulative GPA of 2.7 minimum; BUS 2010, MGT 2050, ECON 2010, ECON 2220, CIS 1020 (with a grade of B or better), ACCT 1110 and ACCT 1120 or 1220, ACCT 1230 and MGT 2200.

Also offered is a bachelors degree in Business Management with an emphasis in General Business, Finance or Marketing. The Pre-Business core must be completed with a cumulative GPA of 2.7 minimum; BUS 1050, BUS 2010, MGT 2050, ECON 2010, ECON 2020, CIS 1020 (with a grade of B or better), ACCT 1110 and ACCT 1120 or 1220, ACCT 1230 and MGT 2200.

SOUTHERN UTAH UNIVERSITY

CIS 1020 with a B grade or better clears 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.

UNIVERSITY OF UTAH

CIS 1020 with a B grade or better clears the computer proficiency requirement to enter upper-division course work. Students must earn a grade of B or better in ENGL 2010 and MATH 1050 or MATH 1090 or BUS 2150. Students must earn a grade of B- or better in COM 1200. Students must maintain a C- or higher in all other business requirements. Business courses that can be taken as part of General Education: 1 course in Philosophy (Humanities or Interdisciplinary), 2 of 3 courses: Anthropology (Humanities or Interdisciplinary), Psychology (Social Science), Sociology (Interdisciplinary or Social Science). Typical GPA of students recently admitted to upper-division is 3.3.

UTAH STATE UNIVERSITY

SLCC Business AS/AA transfer students will be automatically accepted into USU's College of Business with a GPA of 3.5 or higher; a GPA of 3.0 is usually the lower end of applicants who are accepted.

The USU-Salt Lake Center offers upper-division courses for completion of a variety of their Business majors. See academic advisor for further information.

CIS 1020 with a B grade or better clears 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.

UTAH VALLEY STATE COLLEGE

COM 1200 required. CIS 1020 with a B grade or better clears the computer proficiency requirement.

WEBER STATE UNIVERSITY

CIS 1020 with a B grade or better clears the computer proficiency requirement to enter upper-division course work. COM 1200 recommended.

WESTMINSTER COLLEGE

COM 1200 is required for graduation. CIS 1020 with a B grade or better clears the computer proficiency requirement. Business majors require 2-3 semesters of one foreign language (see advisor) ENGL 2100 is not accepted at Westminster.

ASSOCIATE OF ARTS DEGREE IN BUSINESS

(minimum 64-65 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Intermed Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1050	College Algebra	4	A	MATH 1010
OR					
MATH	1090	College Alg Bus	3	A	MATH 1010
AMERICAN INSTITUTIONS (3 CREDITS)					
ECON	1740	Econ Hist of US	3	A	none
OR					
HIS	1700	Amer Civilization	3	A	none
OR					
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS					
HLA	____		1	A	none
STUDENT CHOICE (2-3 CREDITS)					
COM	1200	Prncpls Pb Spk	3	A	none
COMPUTER COMPETENCY					
DISTRIBUTION AREAS					

Choose an additional three credit hours from each the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

Humanities: PHIL 1010 or HUMA 2350 for the University of Utah.
Interdisciplinary: except BUS 1050, FIN 1050 and MKTG 1050
Interdisciplinary: ANTH 1010 for the University of Utah
Social Sciences: PSY or SOC for the University of Utah, PSY or SOC 1010 for Utah State University.
Weber State University requires a Diversity course for graduation. **ONE** of the following should be taken as part of the General Education Distribution Areas: ENGL 2710 (HU), ANTH 1010, GEOG 1600, SOC 1020 (ID), HIS 1020, SOC 1010, or SOC 2370 (SS).
See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COMPLETE EITHER OPTION 1 OR 2:

OPTION 1

*ACCT	1110	Financial Acct I	3	A	none
AND					
*ACCT	1120	Financial Acct II	3	A	ACCT 1110, FIN 1380

OR

OPTION 2

*ACCT	1220	Survey Fin Acct	3	A	none

COMPLETE EACH OF THE FOLLOWING:

COURSE			CR	SEM	PREREQUISITES
ACCT	1230	Managerial Acct	3	A	ACCT 1110 or ACCT 1220, CIS 1020 or competency
BUS	1050	Bus & Society	3	A	none
BUS	2150	Calculus for Bus	3	A	MATH 1050 or MATH 1090

ECON	2010	Microeconomics	3	A	none
ECON	2020	Macroeconomic	3	A	none
MGT	2200	Bus Statistics I	3	A	FIN 1380 or MATH 1010, BUS 1050, CIS 1020 or competency
MGT	2300	Bus Statistics II	3	A	MGT 2200, MATH 1090 or MATH 1050
**____	____	Foreign Lang	5	A	none

***FINANCIAL ACCOUNTING NOTE**
Students considering a major in Accounting should consider ACCT 1110 and ACCT 1120 for better preparation for upper-division 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 1220 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 ONE OF THE FOLLOWING LANGUAGES:**
ASLI 1020, CHI 1020, FRN 1020, GER 1020, ITL 1020, JPN 1020, POR 1020, RUS 1020, or SPN 1020.

ADDITIONAL TRANSFER REQUIREMENTS

Additional transfer requirements beyond the AA degree to be taken at SLCC before transfer to Utah State University, Southern Utah University, Utah Valley State College, and Brigham Young University-Idaho:

COURSE			CR	SEM	PREREQUISITES
BUS	2010	Business Com	3	A	ENGL 1010

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ACCT	1110	3	(ACCT	1120	3)
	OR		ACCT	1230	3
ACCT	1220	3	BUS	2150	3
BUS	1050	3	ENGL	2010	3
COM	1200	3	AMER INSTITUTIONS		3
ENGL	1010	3	DISTRIBUTION		3
MATH	1050	4	**TOTAL**		**15**
	OR				
MATH	1090	3			
HLA		1			
TOTAL		**16-17**			

2ND FALL SEMESTER			2ND SPRING SEMESTER		
ECON	2010	3	ECON	2020	3
LANG	1020	5	MGT	2300	3
MGT	2200	3	DISTRIBUTION		12
DISTRIBUTION		3	**TOTAL**		**18**
TOTAL		**14**			

ASSOCIATE OF SCIENCE DEGREE IN BUSINESS

(minimum 61-62 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1050	College Algebra	4	A	MATH 1010
	OR				
MATH	1090	College Alg Bus	3	A	MATH 1010
AMERICAN INSTITUTIONS (3 CREDITS)					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS

HLA			1	A	none

STUDENT CHOICE (2-3 CREDITS)

COM	1200	Prncpls Pb Spk	3	A	none

COMPUTER COMPETENCY
DISTRIBUTION AREAS

Choose an additional three credit hours from each the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

Humanities: PHIL 1010 or HUMA 2350 for the University of Utah.
Interdisciplinary: except BUS 1050, FIN 1050 and MKTG 1050.
Interdisciplinary: ANTH 1010 for the University of Utah.
Social Sciences: PSY or SOC for the University of Utah, PSY 1010 or SOC 1010 for Utah State University.
Weber State University requires a Diversity course for graduation. **ONE** of the following should be taken as part of the General Education Distribution Areas: ENGL 2710 (HU), ANTH 1010, GEOG 1600, SOC 1020 (ID), HIS 1020, SOC 1010, or SOC 2370 (SS).
See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COMPLETE EITHER OPTION 1 OR 2:

OPTION 1

*ACCT 1110		Financial Acct I	3	A	none
	AND				
*ACCT 1120		Financial Acct II	3	A	ACCT 1110, FIN 1380

OR

OPTION 2

*ACCT 1220		Survey Fin Acct	3	A	none

COMPLETE EACH OF THE FOLLOWING:

COURSE			CR	SEM	PREREQUISITES
ACCT	1230	Managerial Acct	3	A	ACCT 1110 or ACCT 1220, CIS 1020 or competency
BUS	1050	Bus & Society	3	A	none
BUS	2150	Calculus for Bus	3	A	MATH 1050 or MATH 1090
ECON	2010	Microeconomics	3	A	none
ECON	2020	Macroeconomic	3	A	none
MGT	2050	Legal Env Bus	3	A	BUS 1050
MGT	2200	Bus Statistics I	3	A	FIN 1380 or MATH 1010, BUS 1050, CIS 1020 or competency
MGT	2300	Bus Statistics II	3	A	MGT 2200, MATH 1090 or MATH 1050

***FINANCIAL ACCOUNTING NOTE**
Students considering a major in Accounting should consider ACCT 1110 and ACCT 1120 for better preparation for upper-division 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 1220 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.

ADDITIONAL TRANSFER REQUIREMENTS
Additional transfer requirements beyond the AS degree to be taken at SLCC before transfer to Utah State University, Southern Utah University, Utah Valley State College, and Brigham Young University-Idaho:

COURSE			CR	SEM	PREREQUISITES
BUS	2010	Business Com	3	A	ENGL 1010

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ACCT	1110	3	ACCT	1120	3
	OR		ACCT	1230	3
ACCT	1220	3	BUS	2150	3
BUS	1050	3	ENGL	2010	3
COM	1200	3	AMER INSTITUTIONS		3
ENGL	1010	3	DISTRIBUTION		3
MATH	1050	4	**TOTAL**		**18**
	OR				
MATH	1090	3			
HLA		1			
TOTAL		**16-17**			

2ND FALL SEMESTER			2ND SPRING SEMESTER		
ECON	2010	3	ECON	2020	3
MGT	2200	3	MGT	2300	3
DISTRIBUTION		9	MGT	2050	3
TOTAL		**15**	DISTRIBUTION		6
			TOTAL		**15**

BUSINESS MANAGEMENT

Estimated cost of books and supplies per semester $350 to $450

Business Building 105 (801) 957-4325
General Information (801) 957-4073
Academic Advisor BB 132A (801) 957-4300

Professor: Bob Cox, Don Gren, Roger Lee
Associate Professor: Karen Gunn
Assistant Professors: Amar Sahay
Instructors: Edward Engh, Karen Killinger, Tariq Mughal

THE PROGRAM

The Business Management Department offers a Certificate of Completion and Associate of Applied Science degrees in Business Management, Logistics Management, Production 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.

All of the 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 granting business programs.

General education and elective courses provide training in effective oral and written communication and human relation skills. BUS 1050, BUS 2010, COM 1010, LOG 2400, 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.

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. The classes designed to assist students in reaching the skill level necessary to enter the certificate and degree programs are computer applications, MATH 0970. Any class in the preparatory skills may be waived for students who 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 class may be taken. Students who wish to take the CIS 1020 Computer Essentials challenge exam are advised to review the self scoring practice tests available on the Computer Information Systems department website, www.slcc.edu. An 80% or higher is required for each section of the test. For further information on the $25 Challenge Exam, contact the Assessment and Testing Centers. This exam is only available during semesters. Once the exam is passed a P is posted to the transcript and credit is awarded.

ELECTIVE OPTIONS

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 deparment strongly recommends that students enhance their employment opportunities through Cooperative Education as soon as skills permit, to complement the certificate or degree.

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.

ASSOCIATE OF APPLIED SCIENCE DEGREE IN BUSINESS MANAGEMENT

(minimum 65 hours required)

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 skills for a variety of career areas.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
FIN	1380	Financial Math	3	A	MATH 0970
COMMUNICATION					
BUS	2010	Business Com	3	A	ENGL 1010
HUMAN RELATIONS					
BIT	1960	Prof in Business	3	A	none

DISTRIBUTION AREAS

Choose an additional six credit hours from two of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

Interdisciplinary: except BUS 1050, FIN 1050 and MKTG 1050.
Humanities: PHIL 1010 or HUMA 2350 is required for transfer to the U of U.
Interdisciplinary: ANTH 1010 is required for transfer to the U of U.
Social Science: PSY 1010 or SOC 1010 is required for transfer to the U of U, USU, SUU.
See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ACCT	1220	SurveyFinAcct	3	A	none
ACCT	1230	Managerial Actg	3	A	ACCT 1110 or ACCT 1220, CIS 1020 or comp

BUS	1050	Bus & Society	3	A	none
ECON	2020	Macroeconomic	3	A	none
LOG	1010	Intro to Dist Sys	3	A	none
MGT	2020	Entepreneurship	3	A	ACCT 1230, BUS 1050, MKTG 1030
MGT	2050	Legal Env of Bus	3	A	BUS 1050
MGT	2070	Human Res Mg	3	F, Sp	BUS 1050
MGT	2080	Employment Law	3	F, Sp	BUS 1050
MGT	2200	Bus Statistics I	3	A	FIN1380 or MATH1010, BUS 1050, CIS 1020 or competency
MGT	2400	Intnl Trade Bus	3	F	BUS1050 or ECON2020
MGT	2500	Strat Mgmt Princ	3	Sp	BUS 2010, MGT 2070
MKTG	1030	Intro to Mktg	3	A	none
BUS	____	Electives	8		

ELECTIVES (8 CREDITS)

ACCT	2520	Federal Inc Tax	3	F	ACCT 1120 or ACCT 1220
ECON	2100	Labor Econ	3	F, Sp	ECON 2010, ECON 2020
ECON	2400	Inter Econ/Fin	3	F	ECON 2010, ECON 2020
FIN	2210	Credit & Collect	2	A	ACCT 1110 or ACCT 1220
FIN	2950	Exec Lectures	1	F, Sp	none
MATH	1050	College Algebra	4	A	MATH 1010
	OR				
MATH	1090	Coll Algebra Bus	3	A	MATH 1010
MGT	1600	Mgmt Essentials	3	A	none
MGT	2000	CO-OP	1-3	TBA	2nd year/approval
MGT	2300	Bus Stat II	3	A	MGT2200, MATH1090 or MATH 1050
MGT	2950	Entreprn Forum	1	F	none
MGT	2990	Current Topics	1-3	TBA	variable
PMGT	2250	Production Mgt	3	F, Sp	BUS 1050, MGT 2200

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ACCT	1220	3	ACCT	1230	3
BUS	1050	3	ECON	2020	3
ENGL	1010	3	FIN	1380	3
LOG	1010	3	MKTG	1030	3
MKTG	1960	3	DISTRIBUTION		3
TOTAL		**15**	**TOTAL**		**15**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
BUS	2010	3	MGT	2050	3
MGT	2020	3	MGT	2080	3
MGT	2070	3	MGT	2300	3
MGT	2400	3	MGT	2500	3
DISTRIBUTION		3	ELECTIVES		5
ELECTIVES		3	**TOTAL**		**17**
TOTAL		**18**			

ASSOCIATE OF APPLIED SCIENCE DEGREE IN BUSINESS MANAGEMENT/ LOGISTICS MANAGEMENT EMPHASIS

(minimum 65 hours required)

Logistics Management prepares individuals for employment in logistics, transportation, warehousing and inventory management. The components of a typical logistics systems are: customer service, demand forecasting, distribution communication, inventory control, material handling, order processing, parts and service support, plant and warehouse site selection, purchasing, packaging, return goods handling, salvage and scrap disposal, traffic, transportation, warehousing and storage. The demand for logisticians has increased the past few years and employment in this field is excellent.

Individuals are trained for employment with carriers, shippers, warehouses or distribution centers. An AAS degree provides training necessary to interpret freight tariffs, work with personnel programs and to work knowledgeably in sales operations and traffic functions with all transportation modes and in international business.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
FIN	1380	Financial Math	3	A	MATH 0970 or CPT
COMMUNICATION					
BUS	2010	Business Com	3	A	ENGL 1010
HUMAN RELATIONS					
BIT	1960	Prof in Business	3	A	none

DISTRIBUTION AREAS

Choose an additional six credit hours from two of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

Interdisciplinary: except BUS 1050, FIN 1050 and MKTG 1050.
Humanities: PHIL 1010 or HUMA 2350 is required for transfer to the U of U.
Interdisciplinary: ANTH 1010 is required for transfer to the U of U
Social Science: PSY 1010 or SOC 1010 is required for transfer to the U of U, USU, SUU.
See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ACCT	1220	SurveyFinAcct	3	A	none
ACCT	1230	Managerial Actg	3	A	ACCT 1110 or ACCT 1220, CIS 1020 or comp
BUS	1050	Bus & Society	3	A	none
ECON	2020	Macroeconomic	3	A	none
FIN	1050	Personal Fin	3	A	none
LOG	1010	Intro to Dist Sys	3	A	none
LOG	2020	Transp Econ	3	Sp	LOG 1010
LOG	2050	Logistics Mgmt	3	Sp	LOG 1010
LOG	2120	Risk/Loss Mgmt	2	Sp	LOG 1010
LOG	2400	Intnl Logistics	3	F	LOG 1010
MKTG	1030	Intro to Mktg	3	A	none
MKTG	1480	Sales	3	Sp	none
MGT	2050	Legl Env of Bus	3	A	BUS 1050
LOG	____	Elective	9		

LOGISTICS ELECTIVES (9 CREDITS)

LOG	2000	CO-OP	1-3	TBA	2nd year/approval
LOG	2990	Current Topics	1-3	TBA	variable
MGT	1600	Mgmt Essentials	3	A	none
MGT	2990	Current Topics	1-3	TBA	variable

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ACCT	1220	3	ACCT	1230	3
BUS	1050	3	LOG	2020	3
ENGL	1010	3	LOG	2050	3
LOG	1010	3	LOG ELECTIVE		3
DISTRIBUTION		3	MKTG	1030	3
TOTAL		**15**	MKTG	1960	3
			TOTAL		**18**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
BUS	2010	3	ECON	2020	3
FIN	1380	3	FIN	1050	3
LOG	2400	3	LOG	2120	2
DISTRIBTUTION		3	MGT	2050	3
LOG ELECTIVE		3	MKTG	1480	3
TOTAL		**15**	LOG ELECTIVE		3
			TOTAL		**17**

ASSOCIATE OF APPLIED SCIENCE DEGREE IN BUSINESS MANAGEMENT/ PRODUCTION MANAGEMENT EMPHASIS

(minimum 66 hours required)

The Production Management program trains students to successfully enter careers as production schedulers, production planners, materials managers, engineering assistants, statistical quality control technicians, inventory control technicians, plant layout and facilities managers. Emphasis includes specific classes in production management, inventory, materials management, quality assurance, statistics and other classes in the areas of business, math and communication.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
MATH	1050	College Algebra	4	A	MATH 1010
COMMUNICATION					
BUS	2010	Business Com	3	A	ENGL 1010
HUMAN RELATIONS					
MKTG	1960	Prof in Business	3	A	none

DISTRIBUTION AREAS

Choose an additional six credit hours from at least two of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

Interdisciplinary: except BUS 1050, FIN 1050 and 1050

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ACCT	1220	SurveyFinAcct	3	A	none
ACCT	1230	Managerial Actg	3	A	ACCT 1110 or ACCT 1220, CIS 1020 or comp
BUS	1050	Bus & Society	3	A	none
ECON	2010	Microeconomic	3	A	none
LOG	1010	Intro to Dist Sys	3	A	none
MGT	2050	Legl Env of Bus	3	A	BUS 1050
MGT	2200	Bus Statistics I	3	A	FIN 1380 or MATH 1010, BUS 1050, CIS 1020 or competency
MGT	2300	Bus Statistics II	3	A	MGT 2200, MATH 1090 or MATH 1050
PMGT	2230	Work Dsgn/Mes	3	Sp	MGT 2200, CIS 1020 or competency
PMGT	2250	Production Mgt	3	F, Sp	BUS 1050, MGT 2200
PMGT	2350	Integ Prod Sys	3	Sp	PMGT 2250, PMGT 2230
PMGT	2600	Stat Qual Cont	2	Sp	MGT 2200, MGT 2300
PMGT	2700	Mgmt Auto Mfg	3	Sp	PMGT 2230, PMGT 2250, PMGT 2600
PMGT	____	Electives	9		

PRODUCTION MANAGEMENT ELECTIVES (9 CREDITS)

BUS	2150	Calculus for Bus	3	A	MATH 1090 or MATH 1050
MGT	1600	Mgmt Essentials	3	A	none
MGT	2990	Current Topics	1-3	TBA	variable
PMGT	2990	Current Topics	1-3	TBA	variable

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ACCT	1220	3	ACCT	1230	3
BUS	1050	3	LOG	1010	3
ENGL	1010	3	MGT	2300	3
MATH	1050	4	PMGT	2230	3
MGT	2200	3	PGMT	2250	3
TOTAL		**16**	ELECTIVES		3
			TOTAL		**18**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
BUS	2010	3	MKTG	1960	3
ECON	2010	3	PMGT	2350	3
MGT	2050	3	PMGT	2600	2
DISTRIBUTION		3	PMGT	2700	3
ELECTIVE		3	DISTRIBUTION		3
TOTAL		**15**	ELECTIVE		3
			TOTAL		**17**

ASSOCIATE OF APPLIED SCIENCE DEGREE IN BUSINESS MANAGEMENT/ SMALL BUSINESS OWNERSHIP EMPHASIS

(minimum 67 hours required)

The Small Business Management program trains students to be come successful entrepreneurs. The course of study emphasizes special skills necessary to introduce a business idea into the marketplace and manage the growth of the business to ensure profitability.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
FIN	1380	Financial Math	3	A	MATH 0970 or CPT
COMMUNICATION					
BUS	2010	Business Com	3	A	ENGL 1010
HUMAN RELATIONS					
MKTG	1960	Prof in Business	3	A	none

DISTRIBUTION AREAS

Choose an additional six credit hours from two of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

Interdisciplinary: except BUS 1050, FIN 1050 and MKTG 1050

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ACCT	1220	Survey Fin Acct	3	A	none
ACCT	1230	Managerial Actg	3	A	ACCT 1110 or ACCT 1220, CIS 1020 or comp
BUS	1050	Bus & Society	3	A	none
CST	1010	Cust Serv Tech	2	A	none
ECON	2010	Microeconomics	3	A	none
FIN	2040	Finance Mgmt	3	Sp	ACCT 1230
FIN	2210	Credit & Collect	2	A	ACCT 1110 or ACCT 1220
LOG	1010	Intro to Dist Sys	3	A	none
MGT	2020	Entrepreneurship	3	A	BUS 1050, MKTG 1030, ACCT 1230
MGT	2050	Lgl Env of Bus	3	A	BUS 1050
MGT	2070	Hum Res Mgmt	3	F, Sp	BUS 1050
MGT	2080	Employment Law	3	F, Sp	BUS 1050
MGT	2200	Business Stats I	3	A	BUS 1050, FIN 1380 or MATH 1010

MKTG	1030	Intro to Mktg	3	A	none
MKTG	1480	Sales	3	Sp	none
BUS	____	Electives	6		

BUSINESS ELECTIVES (6 CREDITS)

FIN	1050	Fin & Individual	3	A	none
FIN	2950	Exec Lectures	1	F, Sp	none
LE	1220	Human Relation	3	A	none
MGT	1600	Mgmt Essentials	3	A	none
MGT	2000	CO-OP	1-3	TBA	2nd year/approval
MGT	2400	Intrntl Trd & Bus	3	F	BUS 1050 or ECON 2020
MGT	2950	ENT Forum	1	F	none
MGT	2990	Current Topics	1	TBA	variable
MKTG	1070	Promotion	3	F	MKTG 1030 or concurrent
MKTG	1300	Bus Presentations	2	F	CIS 1020 or comp

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ACCT	1220	3	ACCT	1230	3
CST	1010	2	BUS	1050	3
ECON	2010	3	BUS	2010	3
ENGL	1010	3	FIN	1380	3
MKTG	1030	3	LOG	1010	3
TOTAL		**14**	MKTG	1960	3
			TOTAL		**18**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
FIN	2210	2	FIN	2040	3
MGT	2070	3	MGT	2080	3
MGT	2020	3	MGT	2200	3
MGT	2050	3	MKTG	1480	3
DISTRIBUTION		3	DISTRIBTUION		3
BUS ELECTIVE		3	BUS ELECTIVE		3
TOTAL		**17**	**TOTAL**		**18**

CERTIFICATE OF COMPLETION/ BUSINESS MANAGEMENT

(minimum 33 hours required)

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.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ACCT	1220	SurveyFinAcct	3	A	none
ACCT	1230	Managerial Actg	3	A	ACCT 1110 or ACCT 1220, CIS 1020 or comp
BUS	1050	Bus & Society	3	A	none
BUS	2010	Business Com	3	A	ENGL 1010
ENGL	1010	Intro to Writing	3	A	pre-test
FIN	1380	Financial Math	3	A	MATH 0970 or CPT
LOG	1010	Intro to Dist Sys	3	A	none
MKTG	1030	Intro to Mktg	3	A	none
MKTG	1960	Prof in Business	3	A	none
MGT	2070	Hum Res Mgmt	3	F, Sp	BUS 1050
BUS	____	Elective	3		

BUSINESS ELECTIVES (3 CREDITS)

ACCT	2520	Federal Inc Tax	3	F	ACCT 1120 or ACCT 1220
ECON	2100	Labor Econ	3	F, Sp	ECON 2010, ECON 2020
ECON	2400	Inter Econ/Fin	3	F	ECON 2010, ECON 2020
FIN	2210	Credit & Collect	2	A	ACCT 1110 or ACCT 1220
FIN	2950	Exec Lectures	1	F, Sp	none
MGT	1600	Mgmt Essentials	3	A	none
MGT	2000	CO-OP	1-3	TBA	2nd year/approval
PMGT	2250	Production Mgt	3	F, Sp	BUS 1050, MGT 2200
MGT	2300	Bus Stat II	3	A	MGT 2200, MATH 1090 or MATH 1050
MGT	2950	Entreprn Forum	1	F	none
MGT	2990	Current Topics	1-3	TBA	variable
MATH	1050	College Algebra	4	A	MATH 1010
	OR				
MATH	1090	Coll Algebra Bus	3	A	MATH 1010

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ACCT	1220	3	ACCT	1230	3
BUS	1050	3	BUS	2010	3
ENGL	1010	3	LOG	1010	3
FIN	1380	3	MGT	2070	3
MKTG	1030	3	MKTG	1060	3
TOTAL		**15**	BUS ELECTIVE		3
			TOTAL		**18**

CAD APPLICATIONS TRAINING

SEE **CONTINUING EDUCATION**. > > >

CAD/CAM ENGINEERING TECHNOLOGY

SEE **ENGINEERING DRAFTING/DESIGN TECHNOLOGY**. > > >

CARPENTER APPRENTICESHIP

(INCUDING **CARPENTRY INDEPENDENT TECHNOLOGY APPRENTICESHIP** AND **CARPENTRY JATC TECHNOLOGY APPRENTICESHIP.**) SEE **APPRENTICESHIPS**. ALSO SEE **BUILDING CONSTRUCTION/CONSTRUCTION MANAGEMENT**. > > >

CDL LEARNER'S PERMIT PREPARATION

SEE **SKILLS CENTER**. > > >

CEMENT MASON JATC TECHNOLOGY APPRENTICESHIP

SEE **APPRENTICESHIPS**. > > >

CNA (CERTIFIED NURSE ASSISTANT)

SEE **SKILLS CENTER**. > > >

CHEMICAL ENGINEERING

SEE **ENGINEERING**. > > >

CHEMISTRY

Science and Industry Building 345 (801) 957-4944
General Information (801) 957-4073
Academic Advising (801) 957-4978

Assistant Professors: Holly Phaneuf, Ron Valcarce

THE PROGRAM

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.

A preparatory class (CHEM 1100) is available to students with no previous courses in chemistry.

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 students majoring in chemistry, Calculus I is considered the entry-level math class.

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.

CLASS AVAILABILITY
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.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

(minimum 65-66 hours required)

GENERAL EDUCATION REQUIREMENTS

(19-20 CREDITS)

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
	OR				
ENGL	2100	Tech Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1210	Calculus I	4	A	MATH 1060
AMERICAN INSTITUTIONS (3 CREDITS)					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Govt & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS					
HLA			1	A	none
STUDENT CHOICE (2-3 CREDITS)					
COMPUTER COMPETENCY					
DISTRIBUTION AREAS (15 CREDITS)					

Choose an additional three credit hours from each of the following general education areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Social Science	3	A	none

Physical Science is exempt; CHEM 1210 is required for the program
See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

(34 HOURS REQUIRED)

COURSE			CR	SEM	PREREQUISITES
CHEM	1210	Gen Chem I	4	F, Sp	MATH 1050, w/CHEM 1230
CHEM	1220	Gen Chem II	4	F, Sp	CHEM 1210, w/CHEM 1240
CHEM	1230	Gen Chem Lab I	1	F, Sp	w/CHEM 1210
CHEM	1240	Gen Chem Lab II	1	Sp, Su	w/CHEM 1220
CHEM	2310	Organic Chem I	4	F, Sp	CHEM 1220, w/CHEM 2330
CHEM	2320	Organic Chem II	4	Sp, Su	CHEM 2310, w/CHEM 2340
CHEM	2330	Organ Chem Lab I	1	F, Sp	w/CHEM 2310
CHEM	2340	Organ Chem Lab II	1	Sp,Su	w/CHEM 2320
MATH	1220	Calculus II	4	A	MATH 1210

COMPLETE ONE OF THE TWO PHYSICS SEQUENCES:

SEQUENCE 1

PHY	2010	Mech, Heat, Wvs	4	A	MATH 1060, w/PHY 2030
PHY	2030	Physics Lab I	1	A	w/ PHY 2010
	AND				
PHY	2020	Elect/Mag/ModPhy	4	A	PHY 2010, w/PHY 2040
PHY	2040	Physics Lab II	1	A	w/PHY 2020

OR

SEQUENCE 2

PHY	2210	Engin. Physics I	4	A	MATH 1210, w/PHY 2230
PHY	2230	Engin. Phys Lab I	1	A	w/PHY 2210
	AND				
PHY	2220	Engin.Phys II	4	A	PHY 2210
PHY	2240	Engin. Phys Lab II	1	A	w/PHY 2220

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
CHEM	1210	4	CHEM	1220	4
ENGL	1010	3	CHEM	1240	1
MATH	1210	4	ENGL	2010	3
HLA		1		**OR**	
STUDENT CHOICE		2-3	ENGL	2100	3
TOTAL		**15-16**	MATH	1220	4
			AMER INSTITUTIONS		3
			TOTAL		**15**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
CHEM	2310	4	CHEM	2320	4
CHEM	2330	1	CHEM	2340	1
PHY	2010	4	PHY	2020	4
	AND			**AND**	
PHY	2030	1	PHY	2040	1
	OR			**OR**	
PHY	2210	4	PHY	2220	4
	AND			**AND**	
PHY	2230	1	PHY	2240	1
DISTRIBUTION		6	DISTRIBUTION		9
TOTAL		**16**	**TOTAL**		**19**

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

(minimum 63 hours required)

CHEMISTRY/PHYSICAL SCIENCE

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1210	Calculus I	4	A	MATH 1060
AMERICAN INSTITUTIONS (3 CREDITS)					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	Am Ntl Govt	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS

HLA	____		1	A	none

STUDENT CHOICE (2-3 CREDITS)
COMMUNICATION OR DEPTH CHOICE

COMPUTER COMPETENCY

DISTRIBUTION AREAS

Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CHEM	1210	General Chem I	4	F, Sp	MATH 1050, w/CHEM 1230
CHEM	1220	General Chem II	4	Sp,Su	CHEM 1210, w/CHEM 1240
CHEM	1230	Gen Chem Lab I	1	F, Sp	w/CHEM 1210
CHEM	1240	Gen Chem Lb II	1	Sp,Su	w/CHEM 1220
CHEM	2310	Organ Chem I	4	F, Sp	CHEM 1220, w/CHEM 2330
CHEM	2320	Organ Chem II	4	Sp,Su	CHEM 2310, w/CHEM 2340
CHEM	2330	Org Chem Lb I	1	F, Sp	w/CHEM 2310
CHEM	2340	Org Chm Lb II	1	Sp,Su	w/CHEM 2320
MATH	1220	Calculus II	4	A	MATH 1210
PHY	2010	Mech, Heat, Wvs	4	A	MATH 1060, w/PHY 2030
	OR				
PHY	2210	Engin Physic I	4	A	MATH 1210, w/PHY 2230
PHY	2030	Physics Lab I	1	A	w/PHY 2010
	OR				
PHY	2230	Engin Phys Lab	1	A	w/PHY 2210

SAMPLE SCHEDULE

FALL SEMESTER			**SPRING SEMESTER**		
CHEM	1210	4	CHEM	1220	4
CHEM	1230	1	CEHM	1240	1
ENGL	1010	3	ENGL	2010	3
MATH	1210	4	MATH	1220	3
HLA		1	AMER INSTITUTIONS		3
STUDENT CHOICE		2-3	**TOTAL**		**15**
TOTAL		**15-16**			

2ND FALL SEMESTER			**2ND SPRING SEMESTER**		
CHEM	2310	4	CHEM	2320	4
CHEM	2330	1	CHEM	2340	1
PHY	2010	4	DISTRIBUTION		12
	AND		**TOTAL**		**17**
PHY	2030	1			
	OR				
PHY	2210	4			
	AND				
PHY	2330	1			
DISTRIBUTION		6			
TOTAL		**16**			

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

DEPARTMENTAL OFFERINGS

COURSE			CR	SEM	PREREQUISITES
CHEM	1010	Intro to Chem	3	A	none
CHEM	1100	Prep Chem	3	A	none
CHEM	1110	Elem Chem	4	A	MATH 1010
CHEM	1120	Elem Bioorg	4	A	CHEM 1110
CHEM	1130	Elem Chem Lb	1	A	w/CHEM 1110
CHEM	1140	Elem Bioorg Lb	1	A	w/ CHEM 1120
CHEM	1210	General Chem I	4	F, Sp	MATH 1050, w/CHEM 1230
CHEM	1220	General Chem II	4	Sp, Su	CHEM 1210, w/CHEM 1240
CHEM	1230	Gen Chem Lab I	1	F, Sp	w/CHEM 1210
CHEM	1240	Gen Chem Lb II	1	Sp, Su	w/CHEM 1220
CHEM	2000	Chemistry Coop	2-4	A	Instructor's approval
CHEM	2310	Organ Chem I	4	F, Sp	CHEM 1220, w/CHEM 2330
CHEM	2320	Organ Chem II	4	Sp, Su	CHEM 2310, w/CHEM 2340
CHEM	2330	Org Chem Lb I	1	F, Sp	w/CHEM 2310
CHEM	2340	Org Chm Lb II	1	Sp,	w/CHEM 2320

CIVIL/ENVIRONMENTAL ENGINEERING

SEE **ENGINEERING**. > > >

CLERK

SEE GENERAL CLERK OR OFFICE CLERK UNDER **SKILLS CENTER**. > > >

COMMUNICATION

Books and Supplies: 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.

Redwood Campus, Business Building (801) 957-4130
General Information (801) 957-4073
Academic Advisor (801) 957- 4294

Professor: Carolyn Clark, Nina Edgmond
Associate Professors: Randal Chase, Shirley Jones
Assistant Professors: Nick Burns, Art Kanehara, Reed Markham, Jay Williams.
Instructor: Roger Johnson

THE PROGRAM

The Associate of Science degree in Communication 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 U of U. Elective hours may be selected from department approved lists to emphasize the student's interest area in communication.

Mass communication courses range from a basic introductory course (COM 1500) to specialized courses in radio and television broadcasting, media writing, public relations, visual communication, telecommunication and media management and sales. Advanced students can participate on student radio, television or telecommunication programs.

Journalism courses range from a basic introductory course (COM 1610) to more specialized courses in both print and broadcast journalism, media writing, interviewing and reporting. Advanced journalism students can contribute to the student newspaper (Globe) or to student radio and television broadcasts.

Speech communication courses range from a basic introductory course (COM 1200) to specialized courses in rhetoric, persuasion, interpersonal communication, small group communication, organizational communication and public speaking.

Internships (COM 2000 or JRN 2000) are strongly encouraged for all communication majors and students may earn a portion of their elective credits by accepting and successfully fulfilling an available student internship in their area of interest.

PREREQUISITES

Students are strongly encouraged to take ENGL 1010 during their first semester. This is a prerequisite to a number of communication courses. COM 1010 and COM 1050 are also required as core courses for communication students. 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.

CLASS AVAILABILITY

The semesters in which courses are taught are listed below. 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.

TRANSFER NOTE

The University of Utah and Utah State University will each accept a maximum of 9 hours of Communication.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

(minimum 63 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1030	Quant Reas	3	A	MATH 1010
AMERICAN INSTITUTIONS (3 CREDITS)					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	Am Ntl Govt	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS					
HLA	____		1	A	none
STUDENT CHOICE (2-3 CREDITS)					
COM	1010	Elem Effect Com	3	A	none
COMPUTER COMPETENCY					
DISTRIBUTION AREAS					

Complete the following distribution (HU) course:

COM	1050	Ele Human Com	3	A	none

Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
COM	2110	Interprsnal Com	3	F, Sp	none
COM	2500	Elem of Digit Med	4	F, Sp	none
COM	____	Electives	23		

ELECTIVE OPTIONS FOR STUDENT'S SPECIFIC INTERESTS

BROADCAST JOURNALISM (23 CREDITS)

COURSE			CR	SEM	PREREQUISITES
COM	1500	Intro Mass Com	3	A	none
COM	1510	Intro to Bdcst Prod	4	F, Sp	w/COM 1511 lab
COM	1511	Bdcst Prod Lab	1	F, Sp	w/COM 1510
COM	1600	Reprt Mass Med	4	A	none
COM	1610	Jrnlm I Rprting/Wrtng	3	F, Sp	ENGL 1010
COM	2310	Inter Video Prod	3	A	w/COM 2311
COM	2311	Inter Video Prod L	1	A	w/COM 2310
____	____	*Electives	5		

*Internships or other electives from department approved list.

PRINT JOURNALISM (23 CREDITS)

COURSE			CR	SEM	PREREQUISITES
COM	1500	Intro Mass Com	3	A	none
COM	1600	Reprt Mass Med	4	A	none
COM	1610	Jrn I: Rprtng/Wrtng	3	F, Sp	ENGL 1010
COM	1620	Jrnalism II: Editing	3	F, Sp	COM 1610
COM	1630	Jrn III: Layout/Dsgn	3	F, Sp	COM 1610
COM	2130	Princ of Interview	3	F, Sp	none
____	____	*Electives	4		

*Internships or other electives from department approved list.

BROADCASTING (MINIMUM 23 CREDITS)

(SEE ALSO "BROADCAST VIDEO/AUDIO PRODUCTION")

COURSE			CR	SEM	PREREQUISITES
COM	1500	Intro Mass Com	3	A	none
COM	1510	Intro to Bdcst Prod	4	F, Sp	w/COM 1511 lab
COM	1511	Bdcst Prod Lab	1	F, Sp	w/COM 1510
COM	1600	Reprt Mass Med	4	A	none
COM	2590	Med Mgt Sales	3	Sp	none
COM	2310	Inter Video Prod	3	A	w/COM 2311
COM	2311	Inter Video Prod L	1	A	w/COM 2310
____	____	*Electives	5		

*Internships or other electives from department approved list.

PUBLIC RELATIONS (23 CREDITS)

COURSE			CR	SEM	PREREQUISITES
COM	1500	Intro Mass Com	3	A	none
COM	1600	Reprt Mass Med	4	A	none
COM	2440	Dreamweaver Dev	4	F, Sp	none
COM	2550	Intro to Pub Rel	3	Sp	none
COM	2560	Intro Vis Com	4	F, Sp	none
COM	2590	Med Mgt Sales	3	Sp	none
____	____	*Electives	3		

*Internships or other electives from department approved list.

TELECOMMUNICATION (23 CREDITS)

COURSE			CR	SEM	PREREQUISITES
COM	1500	Intro Mass Com	3	A	none
COM	1600	Reprt Mass Med	4	A	none
COM	2440	Dreamweaver Dev	4	F, Sp	none
COM	2560	Intro Vis Com	4	F, Sp	none
COM	2590	Med Mgt Sales	3	Sp	none
____	____	*Electives	6		

*Internships or other electives from department approved list.

ORGANIZATIONAL COMMUNICATION (23 CREDITS)

COURSE			CR	SEM	PREREQUISITES
COM	1120	Sml Grp Com	3	Sp	none
COM	1200	Princ Pub Spkg	3	A	none
COM	1270	Analysis of Argumnt	3	F, Sp	none
COM	2130	Princ of Interview	3	F, Sp	none
**COM	2170	Organization Com	3	F, Sp	none
COM	2200	Persuasion Prac	3	F	none
____	____	*Electives	5		

*Internships or other electives from department approved list.
**Internet only

INTERPERSONAL/SMALL GROUP COMMUNICATION (23 CREDITS)

COURSE			CR	SEM	PREREQUISITES
COM	1120	Small Grp Com	3	Sp	none
COM	1200	Princ Pub Spk	3	A	none
COM	1270	Anly of Argument	3	F, Sp	none
COM	2130	Princ of Interview	3	F, Sp	none
COM	2150	Intcultural Com	3	Sp	none
**COM	2170	Organization Com	3	F, Sp	none
____	____	*Electives	5		

*Internships or other electives from department approved list.
**Internet only

PUBLIC COMMUNICATION (23 CREDITS)

COURSE			CR	SEM	PREREQUISITES
COM	1120	Small Grp Com	3	Sp	none
COM	1200	Princ Pub Spk	3	A	none
COM	1270	Anly of Argument	3	F, Sp	none
COM	2150	Intcultural Com	3	Sp	none
**COM	2170	Organization Com	3	F	none
COM	2200	Persuasion Prac	3	F	none
____	____	*Electives	5		

*Internships or other electives from department approved list.
**Internet only.

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
COM	1050	3	COM	1010	3
ENGL	1010	3	ENGL	2010	3
DISTRIBUTION		6	AMER INSTITUTIONS		3
ELECTIVE		5	DISTRIBUTION		3
TOTAL		**17**	ELECTIVE		6
			TOTAL		**18**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
COM	2110	3	COM	2500	4
DISTRIBUTION		6	MATH	1030	3
ELECTIVE		6	HLA		1
TOTAL		**15**	ELECTIVE		6
			TOTAL		**14**

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

DEPARTMENTAL OFFERINGS

COURSE			CR	SEM	PREREQUISITES
COM	1010	Elmnts Eff Com	3	A	none
COM	1050	Ele Human Com	3	A	none
COM	1120	Sml Grp Com	3	Sp	none
COM	1200	Princ Pub Spkg	3	A	none
COM	1250	Broadcst Perf/Intrp	3	F, Sp	none
COM	1270	Anyl of Argumnt	3	F, Sp	none
COM	1500	Intro Mass Com	3	A	none
COM	1510	Intro to Bdcst Prod	4	F, Sp	w/COM 1511 lab
COM	1511	Bdcst Prod Lab	1	F, Sp	w/COM 1510
COM	1530	Radio Production	2	A	w/COM 1531
COM	1531	Radio Production Lb	1	A	w/COM 1530
COM	1600	Reprt Mass Med	4	A	none
COM	1610	Jrn I: Rprtng/Wrtng	3	F, Sp	ENGL 1010
COM	1620	Jrnalism II: Editing	3	F, Sp	COM 1610
COM	1630	Jrn III: Layout/Dsgn	3	F, Sp	COM 1610
COM	1800	Digital Media Essnt	4	A	none
COM	1900	Special Studies	1-3	F, Sp	approval
COM	2000	Com CO-OP	2-4	A	approval
COM	2110	Interprsnal Com	3	F, Sp	none
COM	2130	Princ of Interv	3	F, Sp	none
COM	2150	Intcultural Com	3	Sp	none
**COM	2170	Organization Com	3	F, Sp	none
COM	2200	Persuasion Prac	3	F	none
COM	2310	Inter Video Prod	3	A	w/COM 2311
COM	2311	Inter Video Prod L	1	A	w/COM 2310
COM	2440	Dreamweaver Dev	4	F, Sp	none
COM	2500	Elem of Digit Med	4	F, Sp	none
COM	2510	Adv Video Prod	3	A	COM 2310, w/COM 2511
COM	2511	Adv Video Prod Lb	1	A	COM 2311, w/COM 2510
COM	2520	Tele Web Prod/Perf	2	Sp	w/COM 2521
COM	2521	Tele Web Prod/Perf Lb	1	Sp	w/COM 2520
COM	2530	Radio Performance	1	A	Concurrent w/COM 2531
COM	2531	Radio Perform Lb	2	A	Concurrent w/COM 2530
COM	2550	Intro to Pub Rel	3	Sp	none
COM	2560	Intro Vis Com	4	F	none
COM	2590	Med Mgt Sales	3	Sp	none
COM	2900	2nd Yr Prodtn Proj	3	A	COM 2510 or COM 2530
COM	2920	Current Topics	1-2	TBA	approval

**Internet only.

COMPUTER APPLICATIONS AND INSTRUCTIONAL TECHNOLOGY

SEE **CONTINUING EDUCATION**. > > >

COMPUTER ENGINEERING

SEE **ENGINEERING**. > > >

COMPUTER INFORMATION SYSTEMS

Estimated cost of books and supplies per semester $300 to $400

Redwood Campus, SI 220 (801) 957-4074
General Information (801) 957-4073
Academic Advisor (801) 957-4858

Professors: Michael Beddoes, Larry Egelund, Maureen Ellison, Gordon Frisbey, Susumu Kasai, Linda Metos, Lorna Wells
Associate Professors: Marilyn Hibbert, Randy Koziatek, Bruce Worthen
Instructors: Phil Nielsen

THE PROGRAM

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 CIS curriculum offers the same department core classes within three different areas of emphasis: Computer Programming and Design, e-Commerce and Integrated Systems Specialist.

*CIS	1030	Object-Oriented Programming I
CIS	1130	Object-Oriented Programming II
CIS	1135	Object-Oriented Analysis and Design

Material presented in the courses is reinforced in later courses through practical application.

The Computer Information Systems Associate of Science degree prepares students for transfer to Weber State University, Computer Science Bachelor's degree program offered evenings at SLCC through the University Center.

Preparing for transfer requires advanced research and planning by students. Please contact the Academic Advisor, (801) 957-4858. Students who wish to transfer to the University of Utah Computer Science program should consult with the Computer Science Advisor, (801) 957-4858.

General education and elective courses provide training in oral and written communication and human relations skills. COM 1010 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 Computer Information Systems 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.

GRADE REQUIREMENT

*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.

CERTIFICATION

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.

PREPARATION NOTE

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 Composition), and MATH 1010 (Intermediate Algebra) Placement testing will be done upon entry to the College unless students have had prior college-level experience.

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. Students without prerequisite class skills are at a disadvantage and may be required to repeat the course after satisfying the prerequisites.

Students who wish to take the CIS 1020 Computer Essentials challenge exam are advised to review the self-scoring practice tests available on the Computer Information Systems department website, www.slcc.edu/CIS1020. An 84% or higher is required on each section of the test. For more information on the $25 Challenge Exam, contact the Assessment and Testing Centers. This exam is only available during semesters. Once an exam is passed a P is posted to the transcript and credit is awarded.

ELECTIVE OPTIONS

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 to-ward 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.

CLASS AVAILABILITY

The semester in which courses are taught is listed below. Students should check the semester class schedule for day/evening availability and modifications caused by varying enrollment.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

(minimum 64 hours required)

TRANSFER INFORMATION

The AS degree is designed to transfer to Weber State University Computer Science B.S. offered in the evening at SLCC through the University Center. 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. Agreements are available at the University Center in Portable Office 1, or in the Student Center Room 240 in the Transfer Center files.

Weber offers the required upper-division courses in the evening at SLCC in conjunction with the University Center. Two tracks offered include:

SYSTEMS INTEGRATION
SOFTWARE ENGINEERING

Weber requires a B- grade average in ENGL 1010, CIS 1135, CIS 2730, CIS 2735, and CIS 2150. A grade of C or better is required in all other courses required for this major and students must maintain a minimum GPA of 2.70.

GENERAL EDUCATION REQUIREMENTS

COURSE		CR	SEM	PREREQUISITES
CORE SKILLS				
COMPOSITION				
ENGL 1010	Intro To Writing	3	A	pre-test
ENGL 2010	Interm Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY				
*MATH 1060	Trigonometry	3	A	MATH 1050 or CPT
OR				
*MATH 1210	Calculus I	4	A	MATH 1060 or CPT

*MATH 1060 for Weber's Systems Integration Emphasis or MATH 1210 for Weber's Software Engineering Emphasis.

AMERICAN INSTITUTIONS (3 CREDITS)

ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS

HLA	____	1	A	none

STUDENT CHOICE (2-3 CREDITS)

COM 1010 is required for Weber State University.

COMPUTER COMPETENCY

DISTRIBUTION AREAS

Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Social Science	3	A	none
Physical Science	3	A	none

Interdisciplinary except TECH 1010

Weber State University requires a Diversity course for graduation. **ONE** of the following should be taken as part of the General Education Distribution Areas: ENGL 2710 (HU), ANTH 1010, GEOG 1600, SOC 1020 (ID), HIS 1020, SOC 1010, or SOC 2370 (SS).

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
*CIS	1030	Obj-Oriented Pro I	3	F, Sp	CIS 1020 or concurrent
*CIS	1130	Obj-Oriented Pro II	3	F, Sp	CIS 1030
CIS	1135	Obj-Ori Analy/Dsgn	3	F, Sp	CIS 1130 or concurrent
CIS	1430	Internet Usage	2	F	CIS 1020 or competancy
CIS	1520	Operating Systems	3	F, Sp	CIS 1020 or competancy
CIS	2150	Comp Organization	3	F, Sp	CIS 1030 and CIS 1130 or concurrent
CIS	2350	UNIX Sys Admin	3	F, Sp	CIS 1020 or comp
CIS	2420	Ntwk Hard Conf	3	F	CIS 1430
CIS	2600	Fund of DB Mgmt	3	F, Sp	CIS 1030 or concurrent
CIS	2730	C++ Prog w/Obj	3	F, Sp	CIS 1135

*CIS 1030 and CIS 1130 must be completed with a B grade or better.

ADDITIONAL TRANSFER REQUIREMENTS

In order to transfer to WSU upper division coursework, additional courses are required beyond the AS degree; they can be taken at SLCC prior to transferring to the WSU program (for Systems Integration Emphasis, take CIS and CS courses; for Software Emphasis, take all of the following):

COURSE			CR	SEM	PREREQUISITES
CIS	2460	Netwk Mgmt	3	Sp	CIS 1430, CIS 2420
CIS	2735	Win. App. Prog.	3	F, Sp	CIS 2730
CS	2310	Discrete Structures	3	Sp	CS 1820
MATH	1040	Statistics	3	A	MATH 1010
MATH	1220	Calculus II	4	A	MATH 1210

NOTE: Students may opt to take Java by sustituting CIS 2760 and CIS 2770 for CIS 2730 and CIS 2735; however, please be advised that CIS 2760 and CIS 2770 do not transfer to Weber State University.

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
CIS	1030	3	CIS	1130	3
CIS	1430	2	CIS	1135	3
ENGL	1010	3	CIS	1520	3
STUDENT CHOICE		2-3	ENGL	2010	3
DISTRIBUTION		6	MATH	1060	3
TOTAL		**16-17**		**OR**	
			MATH	1210	4
			TOTAL		**15-16**

2ND FALL SEMESETER			2ND SPRING SEMESTER		
CIS	2730	3	CIS	2150	3
CIS	2420	3	CIS	2350	3
CIS	2600	3	DISTRIBUTION		9
HLA		1	**TOTAL**		**15**
DISTRIBUTION		3			
AMER INSTITUTIONS		3			
TOTAL		**16**			

ASSOCIATE OF APPLIED SCIENCE DEGREE IN COMPUTER INFORMATION SYSTEMS/COMPUTER PROGRAMMING AND DESIGN EMPHASIS

(minimum 66 hours required)

This emphasis is for professional careers in the information systems field. Students select either structured design or object oriented design as they prepare for a career. Job titles include 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.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	2100	Technical Wrtng	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1090	College Alg Bus	3	A	MATH 1010
COMMUNICATION					
COM	1010	Elem Effect Com	3	A	none
HUMAN RELATIONS					
CST	1010	Customer Serv	2	A	none

DISTRIBUTION AREAS

Choose an additional six credit hours from at least two of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ACCT	1110	Financial Acct I	3	A	none
BUS	2010	Business Com	3	A	ENGL 1010
*CIS	1030	Obj-Oriented Pro I	3	F, Sp	CIS 1020 or concurrent
*CIS	1130	Obj-Oriented Pro II	3	F, Sp	CIS 1030
CIS	1135	Obj-Ori Analy/Dsgn	3	F, Sp	CIS 1130 or concurrent
CIS	1430	Internet Usage	2	F	CIS 1020 or comp
CIS	2150	Comp Organization	3	F, Sp	CIS 1030 and CIS 1130 or concurrent
CIS	2600	Fund of DB Mgmt	3	F, Sp	CIS 1030 or concurrent
CIS	2800	Bus Sys Design	3	F, Sp	CIS 2600, and CIS 2760 or CIS 2730
___	____	Electives	17	A	

*CIS 1030 and CIS 1130 must be completed with a B grade or better.

**SELECT ONE OF THE FOLLOWING SEQUENCES:

SEQUENCE 1

CIS	2730	C++Prog w/Objs	3	F, Sp	CIS 1135 or concurrent
CIS	2735	Win App Prog	3	F, Sp	CIS 2730

OR

SEQUENCE 2

CIS	2760	Java I	3	F, Sp	CIS 1135 or concurrent
CIS	2770	Java II	3	F, sp	CIS 2760

**The alternate language can count toward elective credits.

ELECTIVES (17 CREDITS)

CIS	1520	Operating Systems	3	F, Sp	CIS 1020 or comp
CIS	1550	Mcr DBase Usg	2	F, Sp	CIS 1020 or comp
CIS	2000	CO-OP	2-4	A	instructor's approval
CIS	2300	COBOL Prog	6	F, Sp	CIS 1135 or concurrent
CIS	2350	UNIX Sys Admn	3	F, Sp	CIS 1020 or comp
CIS	2410	Adv Sprdst App	2	Sp	CIS 1020 or comp
CIS	2420	Ntwk Hard Conf	3	Sp, F	CIS 1430
CIS	2430	Internet Admin	3	Sp	CIS 1430, CIS 2420
CIS	2460	Netwk Mgmt	3	Sp	CIS 1520
CIS	2550	Data Base Prog	3	F, Sp	CIS 1030, CIS 1550
CIS	2650	ORACLE	3	F, Sp	CIS 1550
CIS	2780	JAVA Technologies	3	Sp	CIS 2770
CIS	2990	Current Topics	1-3	F, Sp	instructor's approval
FIN	1380	Financial Math	3	A	MATH 0970 or CPT
MKTG	1030	Intro to Mktg	3	A	none
MKTG	1050	Consumerism	3	A	none

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ACCT	1110	3	CIS	1130	3
CIS	1030	3	CIS	1135	3
CIS	1430	2	CIS ELECTIVES		3
CIS ELECTIVES		5	COM	1010	3
DISTRIBUTION		3	MATH	1090	3
TOTAL		**16**	DISTRIBUTION		3
			TOTAL		**18**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
CIS	2600	3	BUS	2010	3
CIS	2730	3	CIS	2150	3
	OR		CIS	2735	3
CIS	2760	3		**OR**	
CIS ELECTIVES		6	CIS	2770	3
CST	1010	2	CIS	2800	3
ENGL	1010	3	CIS ELECTIVE		3
TOTAL		**17**	**TOTAL**		**15**

ASSOCIATE OF APPLIED SCIENCE DEGREE IN COMPUTER INFORMATION SYSTEMS E-COMMERCE EMPHASIS

(minimum 65-67 hours required)

This emphasis is for professional careers in the e-commerce area of the information systems field. Job titles include web programmer, web designer and web engineer. Fundamentals of business as well as technical skills are emphasized, in order to utilize e-commerce effectively in a business environment. The "business to consumer" and "business to business" paradigms are explored. Graduates are trained in the technical aspects of web site management, preparation, development and implementation.

The degree provides foundational skills for information systems and in particular the e-commerce area of information systems. These foundational systems can and should be augmented with post-graduate certificates in e-commerce. Certifications in specific areas are offered by various departments on campus including Continuing Education, Digital Media Technology, Electronics, and Computer Science.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Wrtng	3	A	pre-test
QUANTITATIVE LITERACY					
MATH	1010	Intrmd Algebra	4	A	MATH 970 or CPT
	OR				
FIN	1380	Financial Math	3	A	MATH 970 or CPT
COMMUNICATION					
COM	1010	Elem Effect Com	3	A	none
HUMAN RELATIONS					
CST	1010	Customer Serv	2	A	none
	OR				
MKTG	1960	Profsnlsm in Bus	3	A	none

DISTRIBUTION AREAS

Choose an additional six credit hours from at least two of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

Interdisciplinary: strongly recommend BUS 1050.
Social Sciences: Strongly recommend ECON 1010.
See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ACCT	1110	Financial Acct I	3	A	none
*CIS	1030	Obj-Oriented Pro I	3	F, Sp	CIS 1020 or comp
*CIS	1130	Obj-Oriented Pro II	3	F, Sp	CIS 1030
CIS	1135	Obj-Ori Analy/Dsgn	3	F, Sp	CIS 1130 or concurrent
CIS	1430	Internet Usage	2	F	CIS 1020 or comp
CIS	1520	Operating Systems	3	F, Sp	CIS 1020 or comp
CIS	1550	Microcmp Datab	2	F, Sp	CIS 1020 or comp
CIS	2350	UNIX Sys Admn	3	F, Sp	CIS 1020 or comp
CIS	2420	Ntwk Hard Conf	3	Sp, F	CIS 1430
CIS	2430	Internet Admin	3	Sp	CIS 1430, CIS 2420
CIS	2600	Fund of DB Mgmt	3	F, Sp	CIS 1030 or concurrent
CIS	2650	ORACLE	3	F, Sp	CIS 1550
CIS	2730	C++ Prog w/Obj	3	F, Sp	CIS 1135
CIS	2735	Windows App Prog	3	F, Sp	CIS 2730
CIS	2780	Java Tech	3	Sp	CIS 2770
CIS	2810	E-cmSysDsgn/Imp	3	Sp, Su	CIS 2650, CIS 2750 and ART 1460
MKTG	1030	Intro to Mktg	3	A	none

*CIS 1030 and CIS 1130 must e completed with a B or better.

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ACCT	1110	3	CIS	1130	3
CIS	1030	3	CIS	1135	3
CIS	1430	3	CIS	1550	3
CIS	1520	3	COM	1010	3
MATH	1010	4	MKTG	1960	3
	OR			**OR**	
FIN	1380	3	CST	1010	2
TOTAL		**15-16**	**TOTAL**		**14-15**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
CIS	2350	3	CIS	2430	3
CIS	2420	3	CIS	2650	3
CIS	2600	3	CIS	2735	3
CIS	2730	3	CIS	2780	3
ENGL	1010	3	CIS	2810	3
DISTRIBUTION		3	DISTRIBUTION		3
TOTAL		**18**	**TOTAL**		**18**

ASSOCIATE OF APPLIED SCIENCE DEGREE IN COMPUTER INFORMATION SYSTEMS INTEGRATED SYSTEMS SPECIALIST EMPHASIS

(minimum 65 hours required)

This emphasis is for professional careers in the use of computer equipment, software application use and the purchase and maintenance of these systems. Job titles include computer coordinators, LAN managers and integrated system specialists. Students are trained with a programming orientation emphasizing personal computer applications and skills.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
MATH	1010	Interm Algebra	4	A	MATH 0970 or CPT score
COMMUNICATION					
COM	1010	Elem Effct Com	3	A	none
HUMAN RELATIONS					
MKTG	1960	Profess in Bus	3	A	none
DISTRIBUTION AREAS					

Choose an additional six credit hours from at least two of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
*CIS	1030	Obj-Oriented Pro I	3	F, Sp	CIS 1020 or concurrent
*CIS	1130	Obj-Oriented Pro II	3	F, Sp	CIS 1030
CIS	1135	Obj-Ori Analy/Dsgn	3	F, Sp	CIS 1130 or concurrent
CIS	1430	Internet Usage	2	F	CIS 1020 or comp
CIS	1520	Operating Systems	3	F, Sp	CIS 1020 or comp
CIS	1550	Micro DB Usage	2	F, Sp	CIS 1020 or comp
CIS	2350	UNIX Sys Admn	3	F, Sp	CIS 1020 or comp
CIS	2410	Adv Sprdst App	2	Sp	CIS 1020 or comp
CIS	2420	Net Hard Con	3	F, Sp	CIS 1430
CIS	2430	Internet Admin	3	Sp	CIS 1430, CIS 2420
CIS	2460	Netwk Mgmt	3	Sp	CIS 1520
CIS	2550	Data Base Prog	3	F, Sp	CIS 1030, CIS 1550
CST	1010	Cust Serv Tech	2	A	none
ENGL	2100	Tech Writing	3	A	ENGL 1010
____	____	Electives	8		

*CIS 1030 and CIS 1130 must be completed with a B grade or better.

ELECTIVES (8 CREDITS)

ACCT	1110	Financial Acct I	3	A	none
BUS	2010	Business Com	3	A	ENGL 1010
CIS	1900	Special Projects	1	F, Sp	none
CIS	2000	CO-OP	2-4	A	approval
CIS	2650	ORACLE	3	F, Sp	CIS 1550
CIS	2780	Java Tech	3	Sp	CIS 2770
CIS	2990	Current Topics	1-3	F, Sp	approval
FIN	1380	Financial Math	3	A	MATH 0970 or CPT
MKTG	1030	Intro to Mktg	3	A	none
MKTG	1050	Consumerism	3	A	none

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
CIS	1030	3	CIS	1130	3
CIS	1430	2	CIS	1135	3
CIS	1550	2	CIS	1520	3
ENGL	1010	3	ENGL	2100	3
MATH	1010	4	MKTG	1960	3
DISTRIBUTION		3	**TOTAL**		**15**
TOTAL		**17**			

2ND FALL SEMESTER			2ND SPRING SEMESTER		
CIS	2420	3	CIS	2410	2
CIS	2350	3	CIS	2430	3
CIS ELECTIVES		6	CIS	2460	3
COM	1010	3	CIS	2550	3
CST	1010	2	CIS ELECTIVES		2
TOTAL		**17**	DISTRIBUTION		3
			TOTAL		**16**

CERTIFICATE OF COMPLETION/ PERSONAL COMPUTING

(minimum 32 hours required)

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
*CIS	1030	Obj-Oriented Pro I	3	F, Sp	CIS 1020 or concurrent
*CIS	1130	Obj-Oriented Pro II	3	F, Sp	CIS 1030
CIS	1430	Internet Usage	2	F	CIS 1020 or comp
CIS	1520	Operating Systems	3	F, Sp	CIS 1020 or comp
CIS	1550	Mcr DBase Usg	2	F, Sp	CIS 1020 or comp
CIS	2410	Adv Sprdst App	2	Sp	CIS 1020 or comp
CIS	2420	Ntwk Hard Conf	3	F	CIS 1430
CIS	2430	Internet Admin	3	Sp	CIS 1430, CIS 2420
CIS	2460	Netwk Mgmt	3	Sp	CIS 1520
CST	1010	Customer Svc	2	A	none
ENGL	1010	Intro to Writing	3	A	pre-test
FIN	1380	Financial Math	3	A	MATH 0970 or CPT

*Students must complete CIS 1030 and CIS 1130 with a grade of B (3.0) or above and maintain a 2.5 cumulative grade point average in all CIS courses.

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
CIS	1030	3	CIS	1130	3
CIS	1430	2	CIS	2420	3
CIS	1520	3	CIS	2430	3
CIS	1550	2	CIS	2460	3
CIS	2410	2	FIN	1380	3
CST	1010	2	**TOTAL**		**15**
ENGL	1010	3			
TOTAL		**17**			

COMPUTER SCIENCE

Estimated cost of books and supplies per semester $150-$200

Division of Engineering, Computer Science and Related Technologies
Science and Industry Building 220 (801) 957-4826
General Information (801) 957-4073
Academic Advisor (801) 957-4858

Professor: Duane Jacobs
Associate Professor: G. Jimmy Chen
Assistant Professors: Robert Baird, Dennis Coates
Instructors: Sharon DeReamer, David Moss

THE PROGRAM

The computer science program fulfills the requirements for an Associate of Science Degree. It is designed to satisfy the general education requirements for the first two years of a Baccalaureate of Science degree in Computer Science. Weber State University's Computer

Science B.S. degree is offered in the evening at SLCC through the University Center, (801) 957-4735. Graduates will be prepared to advise and direct the implementation and application of new computer technology to solve problems related to science, engineering and industry. The program provides practical applications and theoretical foundations in digital and processor logic, computer organization, hardware, software interface and software engineering. Training includes computer literacy, object-oriented programming assembler programming, computer organization, algorithms and related general education.

Weber State University offers two different tracks in the evening at SLCC:

SYSTEMS ENGINEERING
SYSTEMS INTEGRATION

The U of U offers two different major options:

COMPUTER SCIENCE
COMPUTER ENGINEERING

(Additional SLCC degree option for the University of Utah, see Engineering, Computer.)

Students planning to transfer to the U of U should consult an advisor to adjust SLCC program requirments according to the major option they are pursuing. Transfer students should also obtain advising regarding general education requirements specific to Engineering majors at the U of U.

PREPARATION NOTE
Students who need to take preparatory classes to meet the requirements for the first semester should plan on extra time to compete the program. A high school curriculum emphasizing mathematics, sciences and communication skills is highly recommended. Those wishing to enter this program should be prepared to take MATH 1210 and CS 1810.

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.

ELECTIVE OPTIONS
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.

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 INFORMATION
Students planning to transfer to Weber State University should be aware that they will also need to complete CIS 2600, CS 1100, CS 1400, CS 2130 and CS 2400. (Subject to change by the four-year university.)

Students planning to transfer to the University of Utah should be aware that they will also need to complete CS 2610, and PHY 2220. Additionally, CS 2750 is not required.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

(minimum 62.5-65 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
	OR				
ENGL	2100	Technical Wrtng	3	A	ENGL 1010
	(not for transfer to Weber State University)				
QUANTITATIVE LITERACY					
MATH	1210	Calculus I	4	A	MATH 1060
AMERICAN INSTITUTIONS (3 CREDITS)					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	Am Ntl Govt	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS					
HLA			1	A	none
***STUDENT CHOICE (3 CREDITS)**					
COM	1010	Elem Effct Com	3	A	none
	OR				
DEPTH OPTION					

*WSU: COM 1010 required
*U of U: Depth option required in Distribution Areas of Fine Arts, Humanities or Social Science. See advisor for further information.

COMPUTER COMPETENCY

DISTRIBUTION AREAS
Choose an additional three credit hours from each of the following general education areas:

Biological Sciences	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

Weber State University requires a Diversity course for graduation. **ONE** of the following should be taken as part of the General Education Distribution Areas: ENGL 2710 (HU), ANTH 1010, GEOG 1600, SOC 1020 (ID), HIS 1020, SOC 1010, or SOC 2370 (SS).
See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CS	1810	Intro Comp Sci I	4	A	CS 1050 or CS 1400
CS	1820	Intro Cmp Sci II	4	A	CS 1810
CS	2130	UNIX Internals	3	F, Sp	w/CS 1810
	OR				
EE	1030	UNIX for EE	.5	F, Sp	none
	(for transfer to U of U only)				
CS	2310	Discrete Structures	3	Sp	CS 1820
CS	2620	Comp Architect	4	F, Sp	CS 1820
CS	2750	Software Engin	3	F, Sp	CS 1820
	(Required at WSU; not required at U of U.)				
MATH	1220	Calculus II	4	A	MATH 1210
PHY	2210	Eng Physic I	4	A	MATH 1210, w/PHY 2230
PHY	2230	Eng Physic I Lb	1	A	w/ PHY 2210

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
COM	1010	3	CS	1820	4
CS	1810	4	MATH	1220	4
CS	2130	3	ENGL	2010	3
	OR			**OR**	
EE	1030	.5	ENGL	2100	3
ENGL	1010	3	DISTRIBUTION		6
MATH	1210	4	**TOTAL**		**17**
TOTAL		**14.5-17**			

2ND FALL SEMESTER			2ND SPRING SEMESTER		
CS	2620	4	CS	2310	3
CS	2750	3	PHY	2210	4
AMER INSTITUTIONS		3	PHY	2230	1
DISTRIBUTION		6	HLA		1
TOTAL		**16**	DISTRIBUTION		6
			TOTAL		**15**

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

DEPARTMENTAL OFFERINGS

COURSE			CR	SEM	PREREQUISITES
*CS	1050	Engineer Comp	3	F, Sp	MATH 1050
CS	1100	Computer Oper	2	A	CIS 1020 or competency
CS	1300	Vis Basic Net Prog	2	F, Sp	CIS 1020
*CS	1400	Comp Sci Funda	3	F, Sp	CIS 1020
CS	1500	DELPHI Prog	3	F, Sp	CIS 1020, MATH 1050
CS	1510	Adv DELPHI Pro	3	Sp	CS 1500
CS	1600	StructProg C C++	4	Sp	MATH 1060 or concurrent
CS	1700	FORTRAN	3	F, Sp	CIS 1020, MATH 1050
CS	1810	Intro Comp Sci I	4	A	CS 1050 or CS 1400
CS	1820	Intro Cmp Sci II	4	A	CS 1810
CS	2000	CO-OP	1-2	F, Sp	approval
CS	2130	UNIX Internals	3	F, Sp	w/CS 1810
CS	2310	Discrete Struct	3	Sp	CS 1820
CS	2400	Data Com Ntwrk	5	F	CS 1100
CS	2410	Adv Networking	5	Sp	CS 2400
CS	2560	Obj Oriented Prog	2	Sp	ART 2410
CS	2610	Digital Sys Dsgn	4	Sp	CS 1050, MATH 1050
CS	2620	Comp Architect	4	F, Sp	CS 1820
CS	2630	Comp Dsgn Lab	2	F, Sp	CS 2610, w/CS 2620
CS	2750	Software Engin	3	F, Sp	CS 1820
CS	2900	Current Topics	1-4		approval
EE	1030	UNIX for EE	.5	F, Sp	none

*prerequisite to CS 1810

COMPUTER SUPPORT SPECIALIST (A+ CERTIFICATION)

SEE **SKILLS CENTER**. > > >

COMPUTER TECHNOLOGY BASICS

SEE **SKILLS CENTER**. > > >

CRIMINAL JUSTICE

Jordan Campus HTC108 (801) 957-4098
General Information (801) 957-4073
www.slcc.edu/schools/cce/dce/programs/cj

Academic Advisor (801) 957-4858
Instructors: John Hill, John Minichino

THE PROGRAM

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.

PREPARATION

Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete the program.

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.

ELECTIVE OPTIONS

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. Six hours of credit may be awarded to students who complete the emergency medical technician (EMT) or dispatch training courses. POST and EMT are available through the College.

CLASS AVAILABILITY

The semesters in which courses are taught are listed below. Students should refer to the semester class schedule for day/evening availability and other modifications to the semester class schedule.

TRANSFER INFORMATION

Only six credits of CJ 2400 or higher numbered courses will transfer to a Bachelor's Degree in Criminal Justice.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

(minimum 64 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1030	Quant Reas	3	A	MATH 1010

AMERICAN INSTITUTIONS (3 CREDITS)

ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS

HLA	____		1	A	none

STUDENT CHOICE (2-3 CREDITS)

COM	1010	Elem Effect Com	3	A	none

COMPUTER COMPETENCY

DISTRIBUTION AREAS (18 CREDITS)

Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

Social Science: PSY 1010 recommended for students transferring to Weber State University Psychology minor.

Weber State University requires a Diversity course for graduation. **ONE** of the following should be taken as part of the General Education Distribution Areas: ENGL 2710 (HU), ANTH 1010, GEOG 1600, SOC 1020 (ID), HIS 1020, SOC 1010, or SOC 2370 (SS).

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS (15 CREDITS)

COURSE			CR	SEM	PREREQUISITES
CJ	1010	Criminal Justice	3	A	none
CJ	1330	Criminal Law	3	A	CJ 1010
CJ	1340	Criminal Invest	3	A	CJ 1010, ENGL 1010, COM 1010
CJ	1350	Criminalistics	3	A	none
CJ	2350	Laws Evidence	3	A	CJ 1330
____	____	Electives	15		

ELECTIVES (15 CREDITS)

CJ	1100	Intro to Corrctns	3	F	CJ 1010 or approval
CJ	1900	Special Studies	1-2	A	none
CJ	2000	CO-OP	2-4	F, Sp	CJ 1010, CJ 1330, CJ 1340, CJ 1350, CJ 2350
CJ	2020	Criminal Mgmt	3	F	CJ 1010
CJ	2060	Community Cor	3	F, Sp	CJ 1010
CJ	2110	Intro Security	3	F	CJ 1010
CJ	2130	Intro Comp Sec	3	Sp	CJ 1010
CJ	2260	Cont Prison/Jail	3	F, Sp	CJ 1010
CJ	2360	Juvenile Law	3	F, Sp	CJ 1330
CJ	2390	Traffic Law	3	Sp	none
CJ	2410	Intro Victimology	3	F, Sp	CJ 1010
CJ	2420	Homicide Investig	3	F, Sp	none
CJ	2430	Satanism/Cults	3	F, Sp	CJ 1010
CJ	2440	Organized Crime	3	F, Sp	CJ 1010
CJ	2450	Terrorism	3	F, Sp	CJ 1010
CJ	2460	Psych Profiling	3	F, Sp	CJ 1010
CJ	2470	Intro Criminology	3	F, Sp	CJ 1010
CJ	2480	Crime Scene Proc	3	F, Sp	CJ 1010
CJ	2490	Drug Trafficking	3	F, Sp	CJ 1010
CJ	2500	Contemp Violence	3	F, Sp	CJ 1010
CJ	2510	Criminal Behavior	3	F, Sp	CJ 1010
CJ	2520	Victim Issues	3	F, Sp	CJ 1010
CJ	2530	Police Patrol Tech	3	F, Sp	CJ 1010
CJ	2540	Careers in Law Enf	3	F, Sp	CJ 1010
CJ	2920	Workshops	1-3	A	none
COM	1200	Prncpls Pub Spk	3	A	none
COM	1610	Reporting/Writing	3	F, Sp	ENGL 1010
ENGL	2100	Technical Wrtng	3	A	ENGL 1010
FIN	1050	Personal Fin	3	A	none
POLI	1110	State/Local Gov	3	Sp	none
SOC	1010	Int to Sociology	3	A	none
SOC	2630	Ethnic Min	2	F, Sp	SOC 1010
SWK	2280	Drug/AlcohAbs	2	F, Sp	SWK 1010

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
CJ	1010	3	CJ	1330	3
COM	1010	3	CJ	1350	3
ENGL	1010	3	ENGL	2010	3
MATH	1030	3	HLA		1
AMER INSTITUTIONS		3	DISTRIBUTION		6
DISTRIBUTION		3	**TOTAL**		**16**
TOTAL		**18**			

2ND FALL SEMESTER			2ND SPRING SEMESTER	
CJ	1340	3	DISTRIBUTION	6
CJ	2350	3	ELECTIVES	9
DISTRIBUTION		3	**TOTAL**	**15**
ELECTIVES		6		
TOTAL		**15**		

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

ASSOCIATE OF APPLIED SCIENCE DEGREE IN CRIMINAL JUSTICE

(minimum 69 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
MATH	1010	Interm Algebra	4	A	MATH 0970
COMMUNICATION					
COM	1010	Elem Effct Com	3	A	none
HUMAN RELATIONS					
LE	1220	Human Relation	3	A	none

DISTRIBUTION AREAS

Choose an additional three credit hours from two of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CJ	1010	Criminal Justice	3	A	none
CJ	1330	Criminal Law	3	A	CJ 1010
CJ	1340	Criminal Invest	3	A	CJ 1010, ENGL 1010, COM 1010

CJ	1350	Criminalistics	3	A	none
CJ	2350	Laws Evidence	3	A	CJ 1330
____	____	Electives	35		

ELECTIVES (35 CREDITS)

CIS	1020	Comp Essentials	3	A	none
CJ	1100	Intro to Corrctns	3	F	CJ 1010 or approval
CJ	1900	Special Studies	1-24	A	none
CJ	2000	CO-OP	2-4	A	CJ 1010, CJ 1330, CJ 1340, CJ 1350, CJ 2350
CJ	2020	Criminal Mgmt	3	F	CJ 1010
CJ	2060	Community Cor	3	F, Sp	CJ 1010
CJ	2110	Intro Security	3	F	CJ 1010
CJ	2130	Intro Comp Sec	3	Sp	CJ 1010
CJ	2260	Cont Prison/Jail	3	F,Sp	CJ 1010
CJ	2360	Juvenile Law	3	F,Sp	CJ 1330
CJ	2390	Traffic Law	3	Sp	none
CJ	2410	Intro Victimology	3	F, Sp	CJ 1010
CJ	2420	Homicide Investig	3	F, Sp	none
CJ	2430	Satanism/Cults	3	F, Sp	CJ 1010
CJ	2440	Organized Crime	3	F, Sp	CJ 1010
CJ	2450	Terrorism	3	F, Sp	CJ 1010
CJ	2460	Psych Profiling	3	F, Sp	CJ 1010
CJ	2470	Intro Criminology	3	F, Sp	CJ 1010
CJ	2480	Crime Scene Proc	3	F, Sp	CJ 1010
CJ	2490	Drug Trafficking	3	F, Sp	CJ 1010
CJ	2500	Contemp Violence	3	F, Sp	CJ 1010
CJ	2510	Criminal Behavior	3	F, Sp	CJ 1010
CJ	2520	Victim Issues	3	F, Sp	CJ 1010
CJ	2530	Police Patrol Tech	3	F, Sp	CJ 1010
CJ	2540	Careers in Law Enf	3	F, Sp	CJ 1010
CJ	2920	Workshops	1-3	A	none
COM	1200	Prncpls Pub Spk	3	A	none
ENGL	2100	Technical Wrtng	3	A	ENGL 1010
PLS	1190	Constitutional Law	3	TBA	none
POLI	1110	State/Local Gov	3	Sp	none
SOC	1010	Int to Sociology	3	A	none
SOC	2630	Ethnic Min	2	F, Sp	SOC 1010
SWK	2280	Drug/AlcohAbs	2	F, Sp	SWK 1010

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
CJ	1010	3	CJ	1330	3
COM	1010	3	CJ	1350	3
ENGL	1010	3	DISTRIBUTION		3
LE	1220	3	ELECTIVES		8
MATH	1010	4	**TOTAL**		**17**
TOTAL		**16**			

2ND FALL SEMESTER			2ND SPRING SEMESTER	
CJ	1340	3	ELECTIVES	15
CJ	2350	3	DISTRIBUTION	3
ELECTIVES		12	**TOTAL**	**18**
TOTAL		**18**		

CULINARY ARTS APPRENTICESHIP

SEE **APPRENTICESHIPS**. > > >

CUSTOMER SERVICE RECEPTIONIST

SEE **SKILLS CENTER**. > > >

DANCE

SEE **FINE ARTS**. > > >

DATA ENTRY

SEE **SKILLS CENTER**. > > >

DENTAL HYGIENE

Estimated cost of books and supplies for program	$250
Instruments,equipment, uniforms, and safety glasses	$4,000
Laboratory fee per semester	$375
Liability insurance fee per year	$20
Licensing exams	$1,500

Academic Advisor SC 240 - (801) 957-4407
General Information (801) 957-4073
Clinic - 957-2710
Instructors: Susan Daoud, Bobi Merritt

THE PROGRAM

Dental hygienists are preventive care specialists for the maintenance of good oral health. A dental hygienist serves as a clinician, educator/health promoter, patient advocate, administrator/manager and researcher. Dental hygienists currently are in high demand and may secure employment in a variety of settings, including private practice, hospitals and public health facilities.

The Commission on Dental Accreditation of the American Dental Association provides the accreditation for the associate of applied science degree. It is a specialized accrediting body recognized by the United States Department of Education. Salt Lake Community College is currently accredited.

Second-year students are eligible to take the National Board of Dental Hygiene Examination. Upon graduation, students may take both the state and regional examinations.

General education and elective courses provide training in effective oral and written communication and human relations skills. COM 1010 and PSY 1010 are taught using group and team activities in the learning process to develop students' interactive skills and to build human values and ethics.

PREPARATION NOTE

Students accepted into the dental hygiene program must meet the same health and safety requirements that the participating facilities require of their own employees. The requirements listed below must be completed by the first day of DH 1100.

Health and safety requirements of the program are as follows: CPR certification, American Heart Association, Modular C or American Red Cross Health Care Provider are the only courses accepted. A fee is required.

Required Immunizations
A. Tetanus
B. MMR (Measles, Mumps, Rubella)
C. Negative tuberculosis skin test *
D. Hepta-vax (Hepatitis B)--series of 3#

* In the event a student has a positive TB skin test, a negative TB chest X-ray is required.

The series of three Hepta-vax immunizations must be taken as follows:
Initial injection
2nd injection one month after the first
3rd injection six months after the first

Students may decide to refuse any of the vaccinations by signing waiver and release forms.

GENERAL COLLEGE ADMISSION

Students seeking admission to the dental hygiene program must first be admitted through the SLCC Enrollment Services as a matriculated student with a major of health sciences by doing the following:

1. Submit "Application for Admission as a Matriculated Student."

2. Pay general College application fee.

3. Complete ACT or CPT (placement test). This test may be waived
at the discretion of the Enrollment Services on the basis of previous college course work.

PLACEMENT TESTING
SLCC does not have minimum required test scores for admission. However, the mandatory placement policies of SLCC mathematics and English departments require that students enroll in the math and English classes indicated by their test scores.

DENTAL HYGIENE PROGRAM ADMISSION CRITERIA
In addition to the above requirements, those seeking admission to the dental hygiene program must meet the following admission criteria.

Applicants will be accepted into the program in order of their qualifying date (the date upon which all requirements have been met and all materials submitted to the Health Sciences Admissions Technician.)

1. High school graduation or equivalent.

2. *BIOL 2050/BIOL 2060 (Human Anatomy lecture and lab) and *BIOL 2140/ BIOL 2150 (Microbiology lecture and lab) with minimum grade of B taken within the past five years.

   *These courses have prerequisites. See course descriptions for prerequisite information.

3. Math and English qualifications. Copies of qualifying test scores must be submitted with the dental hygiene application.

   Math qualifications (one of the following)
   A. CPT 43 college math score within one year
   B. ACT 22 math score within one year
   C. MATH 1010 with C or better

   English qualifications (one of the following)
   A. AP English credit. Must be listed on SLCC transcript
   B. CLEP English credit. Must be listed on SLCC transcript
   C. ENGL 1010 - Introduction to Writing, grade C or better

4. Separate application to the dental hygiene program, available in Enrollment Services.

5. Official sealed transcripts must be submitted from ALL colleges/ universities where the student has completed prerequisite course work for application to the program.

Applicants will be notified by mail of their admission status. New students may begin once per year. If necessary a waiting list will be established for future years. The waiting list will include only those applicants who have met all requirements above and are admitted to the program. To maintain a position on the waiting list, BIOL 2050/ BIOL 2060 and BIOL 2140/BIOL 2150 must remain current within five years of start date.

To retain a position in the program, students must complete the technical curriculum in the order outlined and receive a C grade or better in each required class.

SPECIAL NOTE FOR TRANSFER STUDENTS
Transcripts from other colleges or universities submitted with applications are subject to the following policies:

1. Transcripts must be official (sealed and sent by the issuing institution) and must be sent directly to the Enrollment Services.

2. Transfer credits and GPAs are calculated only on completed courses in which grades are received, not on courses-in-progress.

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. Students also must comply with application prerequisites as listed above.

CLASS AVAILABILITY
The semester in which courses are taught are listed below. Students should check the semester class schedule for availability and modifications caused by varying enrollment. Dental hygiene program classes and clinic are held 8-5, Monday through Friday.

ASSOCIATE OF APPLIED SCIENCE DEGREE IN DENTAL HYGIENE

(minimum 65 hours required)

ADMISSION PREREQUISITES (WITH MINIMUM GRADE OF B)

COURSE			CR	SEM	PREREQUISITES
BIOL	2050	Hu Anatomy	4	A	BIOL 1170 or BIOL 1210, w/BIOL 2060 (lab)
BIOL	2140	Microbiology	4	A	BIOL 1170 or BIOL 1210, w/BIOL 2150 (lab)

ADMISSION PREREQUISITES (WITH MINIMUM GRADE OF C)

COURSE			CR	SEM	PREREQUISITES
ENGL	1010	Intro to Writing	3	A	pre-test
MATH	1010	Interm Algebra	4	A	MATH 0970

ADDITIONAL REQUIRED COURSES (WITH MINIMUM GRADE OF C)

To be completed before starting the Dental Hygiene major course requirements:

COURSE			CR	SEM	PREREQUISITES
ANTH	1010	Cultr Hum Exp	3	A	none
COM	1010	Elem Effct Com	3	A	none
HLTH	1020	Fndations of Nutr	3	A	none
PSY	1010	Gen Psychology	3	A	none

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
DH	1050	Dent Radiology	2	F	admission
DH	1060	Dent Radiol Lab	1	F	admission
DH	1100	Intro to Dent Hy	3	F	admission
DH	1110	Clinic Dent Hygiene	2	F	admission
DH	1140	Dental Materials	1	Sp	admission
DH	1150	Dental Matls Lb	1	Sp	admission
DH	1330	Hd/Nk/Dent Anat	2	F	admission
DH	1340	Hd/Nk/Dnt Ant Lb	1	F	admission
DH	1350	Dnt Embry/Hist	1	F	admission
DH	1400	Dent Hyg Thy II	3	Sp	DH 1100
DH	1410	Clin Dent Hy II	3	Sp	DH 1110
DH	1540	Pharmacology	3	Sp	DH 1100
DH	1620	Prev Dentistry	2	Sp	DH 1100
DH	2050	Gen & Oral Path	3	F	DH 1400, DH 1620
DH	2200	Dent Hyg Thy III	2	F	DH 1400
DH	2210	Clin Dent Hyg III	4	F	DH 1410
DH	2220	Com Dent Health	3	Sp	DH 1620
DH	2340	Local Anesthesia	2	F	DH 1540, w/DH 2341
DH	2341	Local Anesthes Lab	1	F	DH 1540, w/DH 2340
DH	2450	Periodontology I	2	F	DH 1410, DH 1620
DH	2600	Dent Hyg The IV	2	Sp	DH 2200
DH	2610	Clin Dent Hyg IV	5	Sp	DH 2210
DH	2640	Patient/Spec Needs	1	F	DH 2200
DH	2850	Periodontology II	2	Sp	DH 2420
DH	2990	Opt Brd Review	2	Sp	none

SAMPLE SCHEDULE AFTER ADMISSION TO PROGRAM

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	1620	2
DH	1350	1	**TOTAL**		**13**
TOTAL		**12**			

2ND FALL SEMESTER			2ND SPRING SEMESTER		
DH	2050	3	DH	2220	3
DH	2200	2	DH	2600	2
DH	2210	4	DH	2610	5
DH	2340	2	DH	2850	2
DH	2341	1	DH	2990	2
DH	2450	2	**TOTAL**		**14**
DH	2640	1			
TOTAL		**15**			

DEVELOPMENTAL EDUCATION

Professors: John Close, Ray Emett, Dolores Rowley, Julie VanMoorhem

Associate Professors: Carla Ainsworth, Katherine Bair, George Ellington, Steffeny Fazzio, Mark Glines, Helen Hogan, Marianna Hopkins, Dean Huber, Katherine McIntyre, Mary Mellott, Marilyn Nowell-Bown, Celestina Punzalan, Cheryl Shurtleff, Candace Wignall

Assistant Professors: Judith Braun, Robyn Cruff, Charlotte Hamblin, Martha Hess, Rosemary Jamieson, Karen Johnsen, Cristin Longhurst, Laurie Paxton, James Woodall

Instructors: Alena Balmforth, Charles Hemming, Rachel Lawyer, Carol Sieverts, Mildred Sparks, T.C. Stuwe

MISSION AND PHILOSOPHY

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	PREREQUISITES
DE	0900	Comp Awarenss	2	F	none
DE	0910	Lang Arts/Deaf	6	F, Sp	none
DE	1070	Begin Keyboarding	3	A	none
LE	1020	Ess of Colg Std	3	A	none
LE	1060	Intrnet Navigatr	1	A	none
					MATH 0950, MATH 0970
LE	1220	Hu Rel Car Dev	3	A	none
LE	1240	Tutor Certificatn	1	A	none
LE	1250	Effec Rev/Edit	2	F, Sp	Students should currently be involved in personal, academic or workplace writing projects.
LE	1260	Efficient Readng	3	A	Minimum score of 71on CPT reading component or pass RDG 0990 with C grade or better.
LE	1300	Hu Rel Slf Estm	2	A	none
LE	1310	Mind Mach Con	3	A	none
LE	1350	Values/Slf Img	3	A	none
LE	1900	Special Studies	1-3	A	none
MATH	0900	Basic Math	3	A	none
MATH	0920	Develop Math	6	A	none
MATH	0950	Pre Algebra Mth	3	A	C or better in MATH 0900 or an appropriate score on the CPT test.
MATH	0970	Elementary Alg	4	A	A C grade or better in MATH 0920 or MATH 0950 or an appropriate score on the CPT test.
RDG	0900	Dev Reading	6	A	Appropriate score on CPT reading component.
RDG	0990	Advanced Read	3	A	Minimum score of 55 on CPT reading component or pass RDG 0900 with C grade or better.
SLI	1050	Hlth Interpreting	2	A	Fully bilingual in English and another language.
WRTG	0900	Basic Compos	5	A	English placement essay or ESL 1020 with C grade or better for non-native speakers. None for native speakers.
WRTG	0990	Col Prep Comp	3	A	English placement essay or exit test from WRTG 0900.

DIESEL SYSTEMS TECHNOLOGY

Estimated cost of tools and supplies per program $1,500
Estimated cost of books
and computer-assisted instruction (cd) per semeseter$175

Auto Trades Building 206 (801) 957-4143
General Information (801) 957-4073
Academic Advisor CT 210 (801) 957-4550

Assistant Professors: Keith Knavel, Mark Kranendonk

THE PROGRAM

Students are taught the general concepts of diesel sytems 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.

Diesel technicians use common hand tools like pliers, wrenches and screwdrivers, as well as special tools. They also may use testing equipment like dynamometers-which measure engine power, special fuel injection equipment and electronic-controlled engines.

Most diesel technicians are required to buy their own hand tools. Beginning students accumulate more tools as they gain experience. A prospective diesel technician should be in good physical condition and have above-average mechanical ability and eye-hand coordination.

Any course offered in this program can be taken as part of the vocational/technical electives for an associate of science degree in general studies.

General education and elective courses provide training in effective oral and written communication and human relations skills, opening doors for upward mobility.

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.

SPECIAL REQUIREMENTS

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.

PREREQUISITES

It is the student's responsibility to examine each course description for details of the course. Advanced Engine courses require prerequisites.

ELECTIVE OPTIONS

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.

CLASS AVAILABILITY

The semester in which courses are taught are listed below. Students should check the semester class schedule, as day/evening availability and modifications caused by varying enrollment. Classes are offered as 5-week blocks and enrollment is accepted accordingly. Students must register for lecture and its accompanying lab concurrently.

ASSOCIATE OF APPLIED SCIENCE IN DIESEL SYSTEMS TECHNOLOGY

(minimum 64 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
IND	1120	Math for Indstry	3	F, Sp	none
COMMUNICATION					
COM	1010	Elem Effct Com	3	A	none
HUMAN RELATIONS					
LE	1220	Human Relation	3	A	none
DISTRIBUTION AREAS					

Choose an additional six credit hours from two of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ENVT	1040	Wrkplace Safety Bas	2	F, Sp	None
IND	1110	Industrial Elec	2	F, Sp	IND 1120
IND	1140	Princ of Tech	3	F, Sp	IND 1120
WLD	1005	Related Welding	3	A	None
DST	1040	Sfty/Basic Dsl Theory	1	F	w/DST 1050
DST	1050	Safety/Basic Diesel Lab	2	F	w/DST 1040
DST	1060	Sfty/Basic Eng Perf Th	1	F	w/DST 1070
DST	1070	Sfty/Basic Eng Perf Lb	2	F	w/DST 1060
DST	1140	PreventMaintBrakeTh	1	F	w/DST 1150
DST	1150	PrevenMaintBrakeLab	2	F	w/DST 1140
DST	1160	Prevent Maint ElectTh	1	Sp	w/DST 1170
DST	1170	PreventMaintElectLab	2	Sp	w/DST 1160
DST	1240	Drvtrains/FluidDrvsTh	1	Sp	w/DST 1250
DST	1250	Drvtrains/FluidDrvsLb	2	Sp	w/DST 1240
DST	1260	Drvtrains/GearDrvsTh	1	Sp	w/DST 1270
DST	1270	Drvtrains/GearDrvsLb	2	Sp	w/DST 1260
DST	2040	AdvEng&ElectronTh	1	F	DST 1040, DST 1050, DST 1060, DST 1070, concurrent w/DST 2050
DST	2050	Adv Eng & Electron Lb	2	F	DST 1040, DST 1050, DST 1060, DST 1070, concurrent w/DST 2040
DST	2060	Adv Engine Perform Th	1	Sp	DST 1040, DST 1050, DST 1060, DST 1070, DST 2040, DST 2050, concurrent w/DST 2070
DST	2070	Adv. Engine Perform Lb	2	Sp	DST 1040, DST 1050, DST 1060, DST 1070, DST 2040, DST 2050, concurrent w/DST 2060
DST	2140	Hydraulics Controls Th	1	Sp	w/DST 2150
DST	2150	HydraulicsControlsLab	2	Sp	w/DST 2140
DST	2160	Hydraulic FunctionsTh	1	Sp	w/DST 2170
DST	2170	Hydraulic Functions Lb	2	Sp	w/DST 2160
DST	2240	Electrical Circuits Th	1	F	w/DST 2250
DST	2250	Electrical Circuits Lab	2	F	w/DST 2240
DST	2260	Electrical Lighting Th	1	F	w/DST 2270
DST	2270	Electrical LightingLb	2	F	w/DST 2260

ELECTIVE

COURSE			CR	SEM	PREREQUISITES
IND	1020	Lt. Duty Diesl Mntc	3	A	None

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
DST	1040	1	DST	1160	1
DST	1050	2	DST	1170	2
DST	1060	1	DST	1240	1
DST	1070	2	DST	1250	2
DST	1140	1	DST	1260	1
DST	1150	2	DST	1270	2
ENGL	1010	3	COM	1010	3
IND	1120	3	IND	1110	2
TOTAL		**15**	DISTRIBUTION		3
			TOTAL		**17**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
DST	2040	1	DST	2060	1
DST	2050	2	DST	2070	2
DST	2240	1	DST	2140	1
DST	2250	2	DST	2150	2
DST	2260	1	DST	2160	1
DST	2270	2	DST	2170	2
WLD	1005	3	ENVT	1040	2
LE	1220	3	IND	1140	2
TOTAL		**15**	DISTRIBUTION		3
			TOTAL		**17**

DIPLOMA/DIESEL SYSTEMS TECHNOLOGY

(minimum 61 hours required)

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
COM	1010	Elem Effect Com	3	A	None
ENGL	1010	Intro to Writing	3	A	Pre-test
ENVT	1040	Wrkplace Safety Bas	2	F, Sp	None
IND	1110	Industrial Elec	2	F, Sp	IND 1120
IND	1120	Mth for Industry	3	F, Sp	None
IND	1140	Princ of Tech	3	F, Sp	IND 1120
LE	1220	Human Relations	3	A	None
WLD	1005	Related Welding	3	A	None
_____		Gen Ed Distribution	3	A	None
DST	1040	Sfty/Basic Dsl Theory	1	F	w/DST 1050
DST	1050	Safety/Basic Diesel Lab	2	F	w/DST 1040
DST	1060	Sfty/Basic Eng Perf Th	1	F	w/DST 1070
DST	1070	Sfty/Basic Eng Perf Lb	2	F	w/DST 1060
DST	1140	PreventMaintBrakeTh	1	F	w/DST 1150
DST	1150	PrevenMaintBrakeLab	2	F	w/DST 1140
DST	1160	Prevent Maint ElectTh	1	Sp	w/DST 1170
DST	1170	PreventMaintElectLab	2	Sp	w/DST 1160
DST	1240	Drvtrains/FluidDrvsTh	1	Sp	w/DST 1250
DST	1250	Drvtrains/FluidDrvsLb	2	Sp	w/DST 1240
DST	1260	Drvtrains/GearDrvsTh	1	Sp	w/DST 1270
DST	1270	Drvtrains/GearDrvsLb	2	Sp	w/DST 1260
DST	2040	AdvEng&ElectronTh	1	F	DST 1040, DST 1050, DST 1060, DST 1070, concurrent w/DST 2050
DST	2050	Adv Eng & Electron Lb	2	F	DST 1040, DST 1050, DST 1060, DST 1070, concurrent w/DST 2040
DST	2060	Adv Engine Perform Th	1	Sp	DST 1040, DST 1050, DST 1060, DST 1070, DST 2040, DST 2050, concurrent w/DST 2070
DST	2070	Adv. Engine Perform Lb	2	Sp	DST 1040, DST 1050, DST 1060, DST 1070, DST 2040, DST 2050, concurrent w/DST 2060
DST	2140	Hydraulics Controls Th	1	Sp	w/DST 2150
DST	2150	HydraulicsControlsLab	2	Sp	w/DST 2140
DST	2160	Hydraulic FunctionsTh	1	Sp	w/DST 2170
DST	2170	Hydraulic Functions Lb	2	Sp	w/DST 2160
DST	2240	Electrical Circuits Th	1	F	w/DST 2250
DST	2250	Electrical Circuits Lab	2	F	w/DST 2240
DST	2260	Electrical Lighting Th	1	F	w/DST 2270
DST	2270	Electrical LightingLb	2	F	w/DST 2260

ELECTIVE

COURSE			CR	SEM	PREREQUISITES
IND	1020	Lt. Duty Diesl Mntc	3	A	None

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
DST	1040	1	DST	1160	1
DST	1050	2	DST	1170	2
DST	1060	1	DST	1240	1
DST	1070	2	DST	1250	2
DST	1140	1	DST	1260	1
DST	1150	2	DST	1270	2
ENGL	1010	3	COM	1010	3
IND	1120	3	IND	1110	2
TOTAL		**15**	DISTRIBUTION		3
			TOTAL		**17**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
DST	2040	1	DST	2060	1
DST	2050	2	DST	2070	2
DST	2240	1	DST	2140	1
DST	2250	2	DST	2150	2
DST	2260	1	DST	2160	1
DST	2270	2	DST	2170	2
WLD	1005	3	ENVT	1040	2
LE	1220	3	IND	1140	2
TOTAL		**15**	**TOTAL**		**14**

DIESEL SYSTEMS TECHNOLOGY APPRENTICESHIP

SEE **APPRENTICESHIPS**. > > >

DIGITAL MEDIA

SEE DIGITAL MEDIA TECHNOLOGY UNDER **CONTINUING EDUCATION**. > > >

EBT

SEE DIGITAL MEDIA TECHNOLOGY UNDER **CONTINUING EDUCATION**. > > >

*e*BUSINESS TECHNOLOGY

SEE **DIGITAL MEDIA TECHNOLOGY** UNDER **CONTINUING EDUCATION**. > > >

*e*LEARNING TECHNOLOGY

SEE **DIGITAL MEDIA TECHNOLOGY** UNDER **CONTINUING EDUCATION**. > > >

ECONOMICS

Estimated cost of books and supplies per semester $350-450

Business Building 105 (801) 957- 4325
General Information (801) 957-4073
Academic Advisor BB 132A (801) 957-4323
Advising Appointments (801) 957-4300

FINANCE AND ECONOMICS
Professors: A. Marlon Andrus, Joseph R. Howell, K.T. Magnusson
Associate Professors: Terry Stokes, Dennis Wilson
Assistant Professor: Danny Martinez, Robert Nigohosian

BUSINESS MANAGEMENT
Professors: Bob Cox, Don Gren, Roger D. Lee
Associate Professors: Karen Gunn, Amar Sahay.
Instructor: Karen Killinger

THE PROGRAM

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 do 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.

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.

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.

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.

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. The Department recommends completion of the College Algebra requirement before second year Economic courses are taken.

Students who wish to take the CIS 1020 (Computer Essentials) challenge exam are advised to review the self-scoring practice tests available on the Computer In-formation Systems department website, www.slcc.edu. An 80% or higher is required on each section of the test. For further information on the $25 Challenge Exam contact the Assessment and Testing Centers. This exam is only available during semesters. Once the exam is passed a P is posted to the transcript and credit is awarded.

ELECTIVE OPTIONS

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.

CLASS AVAILABILITY

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.

TRANSFER NOTES

The Economics AS degree is designed for efficient transfer to the University of Utah's Department of Economics. All courses must be completed with a C- or higher and a minimum GPA of 2.0. The program is intended to give students greater depth in economics by meeting many upper-division Economics prerequisites. This allows students to take more senior level courses. Students will be prepared with the quantitative skills necessary to successfully complete their upper-division economics courses.

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, Southern Utah Uni-versity, or Westminster College, students should take the Business AS or AA degree and see the Business Advisor for efficient transfer planning. Neither Dixie College nor Utah Valley State College offer Economics BS degrees.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

(minimum 63-64 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1090	CollegeAlgebraBus	3	A	MATH 1010 or CPT
	OR				
MATH	1050	College Algebra	4	A	MATH 1010 or CPT
AMERICAN INSTITUTIONS (3 CREDITS)					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civiliztn	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS

HLA	____		1	A	none

STUDENT CHOICE (2-3 CREDITS)

COMPUTER COMPETENCY

DISTRIBUTION AREAS

Chose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

(15 CREDITS REQUIRED)

ECON	2010	Microeconomics	3	A	none
ECON	2020	Macroeconomics	3	A	none
BUS	2150	Calculus	3	A	MATH 1050 or MATH 1090
MGT	2200	Statistics I	3	A	FIN 1380 or MATH 1010, BUS 1050, CIS 1020 or competency
MGT	2300	Statistics II	3	A	MGT 2200, MATH 1050 or MATH 1090

ECONOMICS ELECTIVES (6 CREDIT HOURS REQUIRED)

ECON	2100	Labor Economics	3	F, Sp	ECON 2010, ECON 2020
ECON	2200	Money&Banking	3	Sp	ECON 2010, ECON 2020
ECON	2250	Env/Nat Rsrces Econ	3	F, Sp	ECON 2010, ECON 2010
ECON	2400	Internt'l Econ.	3	F	ECON 2010, ECON 2020

OTHER ELECTIVES (9 CREDIT HOURS REQUIRED)
Choose any College level course 1000 or above including Economics, Finance, Management and Business courses.

NOTE: Two of the following SLCC courses may be used toward a business minor at the U of U: ACCT 1220, ACCT 1230, and BUS 1050.

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ECON	2010	3	BUS	2150	3
ENGL	1010	3	ECON	2020	3
MATH	1090	3	DISTRIBUTION		6
AMER INSTITUTIONS		3	ELECTIVE		3
COMMUNCIATION		3	**TOTAL**		**15**
TOTAL		**15**			

2ND FALL SEMESTER			2ND SPRING SEMESTER		
ECON ELECTIVE		3	ECON ELECTIVE		3
ENGL	2010	3	MGT	2300	3
MGT	2200	3	DISTRIBUTION		6
DISTRIBUTION		6	HLA		1
ELECTIVE		3	ELECTIVE		3
TOTAL		**18**	**TOTAL**		**17**

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

ELECTRICAL ENGINEERING
SEE **ENGINEERING**. > > >

ELECTRICAL INDEPENDENT TECHNOLOGY APPRENTICESHIP
SEE **APPRENTICESHIPS**. > > >

ELECTRICAL TECHNOLOGY
SEE **ELECTRICAL AND INSTRUMENTATION TECHNOLOGY, ELECTRICAL TECHNOLOGY EMPHASIS**. > > >

ELECTRICAL AND INSTRUMENTATION TECHNOLOGY

Estimated cost of tools per semester	$350
Estimated cost of books per semeseter	$170

Construction Trades Building, room 222 (801) 957-4066
General Information (801) 957-4073
Academic Advisor CT 210 (801) 957-4550

Professor: Yuri Starik
Associate Professor: Paul Lerdahl
Instructors: Ross McNamara

THE PROGRAM
The electrical trade consists of electrical crafts work, which includes planning of the job, trouble shooting and repair and general construction of all types of jobs in the electrical industry. The program provides a broad foundation in theory and applied technology needed to meet all requirements in today's field of electricity and instrumentation process control. Any course offered in this program can be taken as part of the vocational/technical electives for an Associate of Science degree in general studies.

General education and elective courses provide training in effective oral and written communication and human relations skills. COM 1010 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.

STUDENT ORGANIZATIONS
Skills USA (formerly VICA) - All students enrolled in the electrical/instrumentation 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.

PREPARATION NOTE
Classes designed to assist students in reaching the skill level necessary to enter or complete the certificate and degree programs are MATH 0950, WRTG 0990, DE 0900 and RDG 0900. Any class in the preparatory skills may be waived if students demonstrate equivalent skills. Students who are entering an electricity program are strongly advised and encouraged to take all of the placement tests (math, reading, English and computer skills) and also to matriculate. Proficiencies in the areas mentioned are either necessary for program entry or as prerequisites to general skills necessary to graduate. Students who take the placement test will be better able to plan and to be advised as to the best course of action as they begin their studies.

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.

ELECTIVE OPTIONS
Any credit course numbered 1010 and above (except general education courses) may be substituted for listed elective courses with prior approval of the advisor and/or division chair.

If students are employed in a job involving electricity, it is possible to earn some laboratory credit through cooperative education. With prior approval of a teaching faculty member and the CO-OP coordinator. Students would register for the regular laboratory course.

CLASS AVAILABILITY
The semester in which courses are taught is listed below. Students should check the semester class schedule for day/evening availability and modifications caused by varying enrollment.

ASSOCIATE OF APPLIED SCIENCE IN ELECTRICAL TECHNOLOGY
(minimum 70 hours required)

This degree may qualify students for employment as apprentice construction electricians and installation and maintenance electricians. Instead of working four years as a journeyman, this degree enables the student to work only two years as a journeyman to apply for a master's license. Students need an electricity certificate plus classes listed here.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2100	Technical Wrtng	3	A	ENGL 1010

QUANTITATIVE LITERACY

ELEC	1110	AppMathI f/Elec	5	F, Sp	MATH 0950

COMMUNICATION

COM	1200	Prin Pub Speaking	3	A	none

HUMAN RELATIONS

LE	1220	Human Relation	3	A	none

DISTRIBUTION AREAS

Complete the following distribution (PS) course:

CHEM	1010	Intro to Chem	3	A	none

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ELEC	1150	DC/ACBasicElec	5	F, Sp	w/ELEC 1110
ELEC	1215	Mot/TransfTheory/Lab	3	A	ELEC 1110
ELEC	1235	Mot Cntrl Theory/Lab	4	Sp, Su	ELEC 1150
ELEC	1250	Ind/Hazrd Code	2	A	ELEC 1140
INST	2010	AppPhys f/Elec	4	Su, F	ELEC 1110
INST	2020	Applied MathIIf/Elec	2	Su, F	ELEC 1110
INST	2030	Applied MathIIIf/Elec	2	F, Sp	ELEC 1110, INST 2020
INST	2110	Electronic Circuits	2	Sp, Su	ELEC 1150
INST	2120	Intro to Instrum	2	F	INST 2010
INST	2130	ElectronCircuitsII	2	F	INST 2110
INST	2140	Digital Devices	3	F, Sp	INST 2110, INST 2130
INST	2160	Cntrl Sys Documenta	1	F, Sp	INST 2120
INST	2210	Pres/Level Measurem	4	F, Sp	INST 2120
INST	2220	Temp Measurement	2	F	INST 2120
INST	2230	Proc Controll/Tuning	3	F, Sp	INST 2120, INST 2240
INST	2240	Final Contr Elements	2	Su, F	INST 2120
INST	2260	Flow Measurement	2	F, Sp	INST 2120
INST	2270	Instrument Calibration	2	Sp	INST 2120, INST 2210, INST 2220, INST 2240
INST	2330	Progr Control App	3	Sp	ELEC 1230, INST 2140

ELECTIVE

ELEC	2990	Special Studies	1-3	A	instructor's approval

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
COM	1200	3	ELEC	1215	3
ELEC	1110	5	ELEC	1235	4
ELEC	1150	5	CHEM	1010	3
ENGL	1010	3	LE	1220	3
TOTAL		**16**	**TOTAL**		**13**

SUMMER TERM		
INST	2010	4
INST	2020	2
INST	2110	2
TOTAL		**8**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
INST	2030	2	ELEC	1250	2
INST	2120	2	INST	2140	3
INST	2130	2	INST	2160	1
INST	2210	4	INST	2230	3
INST	2220	2	INST	2260	2
INST	2240	2	INST	2270	2
TOTAL		**14**	**TOTAL**		**13**

2ND SUMMER TERM		
ENGL	2100	3
INST	2330	3
TOTAL		**6**

ASSOCIATE OF APPLIED SCIENCE IN INSTRUMENTATION TECHNOLOGY

(minimum 72 hours required)

PROGRAM

The Associate of Applied Science degree prepares students for employment in installing, maintaining, repairing, calibrating and trouble shooting instrumentation and control systems in such industries as petroleum refining, food processing, chemical manufacturing, power generation and many others.

A combination of theory and hands-on training offers a variety of state-of-the-art process measurement and control instrumentation with actual working processes and computer simulations. The program uses the application of mathematics, physics and industry standards that technicians experience. The laboratory training develops knowledge and skills with electronic circuits, test equipment, instruments, control systems and practical computer applications. This helps the graduates meet the challenge of traditional measurement and control systems and adapt to newly emerging techniques.

Students receive training to take the certification test of the ISA Certified Control System Technician (CCST). The CCST program promotes three levels (I, II and III) of the professional development of the control systems technician, providing recognition and documentation of the technician's knowledge, experience and education in measurement and control.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2100	Technical Wrtng	3	A	ENGL 1010
QUANTITATIVE LITERACY					
ELEC	1110	AppMathI f/Elec	5	F, Sp	MATH 0950
COMMUNICATION					
COM	1200	Prin Pub Speaking	3	A	none
HUMAN RELATIONS					
LE	1220	Human Relation	3	A	none
DISTRIBUTION AREAS					
Complete the following distribution (PS) course:					
CHEM	1010	Intro to Chem	3	A	none

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ELEC	1150	DC/ACBasicElec	5	F, Sp	w/ELEC 1110
ELEC	1235	Mot Cntrl Theory/Lab	4	Sp, Su	ELEC 1150
INST	2010	AppPhys f/Elec	4	Su, F	ELEC 1110
INST	2020	Applied MathIIf/Elec	2	Su, F	ELEC 1110
INST	2030	Applied MathIIIf/Elec	2	F, Sp	ELEC 1110, INST 2020
INST	2110	Electronic Circuits	2	Sp, Su	ELEC 1150
INST	2120	Intro to Instrum	2	F	INST 2010
INST	2130	ElectronCircuitsII	2	F	INST 2110
INST	2140	Digital Devices	3	F, Sp	INST 2110, INST 2130
INST	2160	Cntrl Sys Documenta	1	F, Sp	INST 2120
INST	2210	Pres/Level Measurem	4	F, Sp	INST 2120
INST	2220	Temp Measurement	2	F	INST 2120
INST	2230	Proc Controll/Tuning	3	F, Sp	INST 2120, INST 2240
INST	2240	Final Contr Elements	2	Su, F	INST 2120
INST	2230	Cont/Cont Mode	3	Sp, Su	INST 2120
INST	2240	Calib Proc/FnlCn	3	Sp, Su	INST 2120
INST	2250	AnalytInstruTrblsht	3	Sp, Su	INST 2120
INST	2260	Flow Measurement	2	F, Sp	INST 2120
INST	2270	Instrument Calibration	2	Sp	INST 2120, INST 2210, INST 2220, INST 2240
INST	2320	DistrContrlSystems	4	Sp, Su	INST 2230
INST	2330	PrgrmContrlApp	3	Sp	ELEC 1230, INST 2140

ELECTIVE

COURSE			CR	SEM	PREREQUISITES
ELEC	2990	Special Studies	1-3	A	instructor's approval

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
COM	1200	3	CHEM	1010	3
ELEC	1110	5	ELEC	1235	4
ELEC	1150	5	ENG	2100	3
ENGL	1010	3	LE	1220	3
TOTAL		**16**	**TOTAL**		**13**

SUMMER TERM		
INST	2010	4
INST	2020	2
INST	2110	2
TOTAL		**8**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
INST	2030	2	INST	2140	3
INST	2120	2	INST	2160	1
INST	2130	2	INST	2230	3
INST	2210	4	INST	2250	3
INST	2220	2	INST	2260	2
INST	2240	2	INST	2270	2
TOTAL		**14**	**TOTAL**		**14**

2ND SUMMER TERM		
INST	2320	4
INST	2330	3
TOTAL		**7**

CERTIFICATE OF COMPLETION/ ELECTRICAL TECHNOLOGY

(minimum 36 hours required)

This certificate may qualify students to be a residential electricians or shop electricians. To earn this certificate, students need to take the courses shown below. Students can complete these courses in two semesters during the day or four semesters at night.

After obtaining a certificate in electrical technology, students may go to the State Electrical Board and apply for an apprenticeship license and credit toward either schooling and/or work experience. The State Electrical Board determines credit on an individual basis. According to the Utah Department of Business Regulation, students must have successfully completed a course of study and have received a degree, certificate or diploma to get credit for previous schooling. If students completed a course as outlined above, they may receive credit for one year of apprenticeship school and nine months work experience. As an alternative, they may qualify for full credit for schooling, but not work experience. Applicants with associate degrees in electricity may qualify for additional credit toward approval to take the master's examination.

The alternative mentioned above can be a great advantage: being one of the few apprentices that can work the higher paying out-of-town jobs without needing the weekly classroom instruction. However, this alternative will require the normal four years of work (8,000 hours) before applying for a journeyman license.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
COM	1200	Prin Pub Speaking	3	A	none
ELEC	1110	AppMathI f/Elec	5	F, Sp	MATH 0950
ELEC	1130	Resident Wiring	3	A	w/ELEC 1140
ELEC	1140	Res Com Codes	3	A	RDG 0900
ELEC	1150	DC/ACBasicElec	5	F, Sp	w/ELEC 1110
ELEC	1215	Mot/TransfTheory/Lab	3	A	ELEC 1110
ELEC	1235	Mot Cntrl Theory/Lab	4	Sp, Su	ELEC 1150
ELEC	1250	Ind/Hazard Cde	2	A	ELEC 1140
TELE	1110	Telecom Cable	2	A	none
ENGL	1010	Intro to Writing	3	A	pre-test
LE	1220	Human Relation	3	A	none

ELECTIVE

COURSE			CR	SEM	PREREQUISITES
ELEC	2990	Special Studies	1-3	A	instructor's approval

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
COM	1200	3	ELEC	1215	3
ELEC	1110	5	ELEC	1235	4
ELEC	1130	3	ELEC	1250	2
ELEC	1140	3	ENGL	1010	3
ELEC	1150	5	LE	1220	3
TOTAL		**19**	TELE	1110	2
			TOTAL		**17**

DEPARTMENTAL OFFERINGS

COURSE			CR	SEM	PREREQUISITES
ELEC	1010	Elec & Mod Lvng	3	A	none
INST	2410	CCST Prep	3	A	pretest

ELECTRONICS ASSEMBLY TECHNICIAN

SEE **SKILLS CENTER**. > > >

ELECTRONICS AND COMPUTER TECHNOLOGY APPRENTICESHIP

SEE **APPRENTICESHIPS**. > > >

ELECTRONICS TECHNICIAN

SEE **SKILLS CENTER**. > > >

ELECTRONICS TECHNOLOGY

Estimated cost of books and supplies per semester	
First Year	$725
Second Year	$380

General Information (801) 957-4073
Academic Advisor CT 186 (801) 957-4550

Professor: Violetta Tsibranska (Bennett)
Associate Professor: Gilbert Ulibarri
Assistant Professor: William (Skip) Shields
Instructor: Ches Lumpkins

DEGREES

Associate of Science requirements can be completed, as well as an Associate of Applied Science degree in Electronics Technology and three certificates are offered in specialization areas. Students may also may provide focus to their degree by selecting desired electives.

PREPARATION NOTE

Students who need to take preparatory classes to meet the requirements of first semester courses should plan on 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 students have had prior college-level experience. Those wishing to enter this program must score above accepted minimums on the test.

PREREQUISITES

It is the student's responsibility to examine each course description for details of prerequisite courses. Those prerequisites must be satisfied before the course may be taken.

GENERAL EDUCATION
General education and elective courses provide training in effective oral and written communication and human relations skills. COM 1010 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.

STUDENT ORGANIZATIONS
Skills USA (formerly VICA) - All students enrolled in the electronics 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. This training is included in the curriculum of this program.

CLASS AVAILABILITY
The semesters in which courses are taught are listed below. Students should check the class schedule for day/evening availability and modifications caused by varying enrollments.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

(minimum 72 credit hours; see department for articulation agreement information)

PROGRAM
The Associate of Science requirements fulfilled by courses in Electronics Technology provide the first two years of a bachelor of science degree in electronics engineering technology (BSEET.) These requirements are designed to interface with the BSEET programs at Weber State University, Brigham Young University, and Southern Utah University, as well as other institutions; some modifications may be involved. See an academic advisor.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS (12-13 CREDITS)					
COMPOSITION (6 CREDITS)					
ENGL	1010	Intro to Writing	3	A	none
ENGL	2010	Intermediate Writing	3	A	none
OR					
ENGL	2100	Technical Writing	3	A	none
QUANTITATIVE LITERACY (3-4 CREDITS)					
MATH	1050	College Algebra	4	A	none
AMERICAN INSTITUTIONS (3 CREDITS)					
ECON	1740	Econ History of US	3	A	none
OR					
HIS	1700	American Civiliza.	3	A	none
OR					
POLI	1100	Amer. Natl Govt.	3	A	none

INSTITUTIONAL REQUIREMENTS (3-7 CREDITS)

LIFELONG WELLNESS

HLA			1	A	none

STUDENT CHOICE (2-3 CREDITS)

COMPUTER COMPETENCY

DISTRIBUTION AREAS (18 CREDITS)
Choose an additional three credits from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ELET	1010	DC/AC Basic Elec	6	A	ELET 1050, or w/ELET 1050 or MATH 1050
ELET	1080	Elec Assem Skls	2	A	none
ELET	1100	Linear Circuits	4	A	ELET 1010, ELET 1050 or MATH1050
ELET	1120	Circ Sim Analy/Dsgn	2	A	ELET 1100
ELET	1130	Digital Circuits	4	A	ELET 1010
ELET	2080	Surface Mt Tech	2	F, Sp	ELET 1080
ELET	2150	Com Systems	4	F, Sp	ELET 1100, ELET 1130
ELET	2300	Microprocessors	4	A	ELET 1130
ELET	2750	Elec Troublesht	4	F, Sp	ELET 1100
Electives			6-8		

ELECTIVES (6-8 CREDITS)

ELET	2020	Tech Certification	2	F, Sp	ELET 1100, ELET 1130
ELET	2100	Adv Linear Cir	4	F, Sp	ELET 1100
ELET	2200	Adv Measure	4	F, Sp	ELET 1100, ELET 1130
ELET	2410	Microwave Com	4	A	ELET 2150
ELET	2450	Laser/Fiber Opt	4	A	none
ELET	2480	FCC License Prep.	4	A	ELET 2150

RECOMMENDED SUPPORT COURSES

(STUDENT SHOULD CHECK WITH TRANSFERRING INSTITUTION)

MATH	1220	Calculus II	4	A	MATH 1210
PHY	2210	Eng Physics I	3	A	MATH 1210
PHY	2230	Eng Physics Lab	1	A	w/PHY 2210
CHEM	1010	Intro to Chemistry	3	A	none

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ELET	1010	6	ELET	1100	4
ELET	1080	2	ELET	1130	4
ENGL	1010	3	ELET	2080	2
MATH	1050	4	ENGL	2100	3
DISTRIBUTION		3	AMER INSTITUTIONS		3
HLA		1	DISTRIBUTION		3
TOTAL		**19**	**TOTAL**		**19**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
ELET	1120	2	ELET	2300	4
ELET	2150	4	ELET ELECTIVES		6-8
ELET	2750	4	DISTRIBUTION		6
DISTRIBUTION		6	**TOTAL**		**16-18**
STUDENT CHOICE		2-3			
TOTAL		**18-19**			

***NOTE:** 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 we site: http://www.utahsbr.edu/html/student_info.html

ASSOCIATE OF APPLIED SCIENCE IN ELECTRONICS TECHNOLOGY

(minimum 70 hours required)

The Associate of Applied Science Degree in Electronics Technology provides the student with a solid foundation in the fundamentals of theoretical and applied electronics, designed for students who intend to enter the work force after obtaining the AAS degree. Students will be prepared to operate, install, troubleshoot, repair, maintain and service electronic equipment and systems. It also prepares students to assist engineers in many areas of research and development (R&D). Mathematics and physics support and enhance the program.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test

QUANTITATIVE LITERACY

ELET	1050	Electronics Math	3	A	MATH 1010

COMMUNICATION

COM	1010	Elem Effct Com	3	A	none

HUMAN RELATIONS

LE	1220	Human Relations	3	A	none

DISTRIBUTION AREAS
COMPLETE THE FOLLOWING DISTRIBUTION (PS) COURSE:

PHY	1010	Intro to Physics	3	A	none

MAJOR COURSE REQUIREMENTS
(47 CREDITS)

COURSE			CR	SEM	PREREQUISITES
ELET	1010	DC/AC Bsc Elec	6	A	ELET 1050 or concurrent
ELET	1040	Technical Basic	2	A	ELET 1010
ELET	1080	Elec Assem Skls	2	A	none
ELET	1100	Linear Circuits	4	A	ELET 1010, ELET 1050 or MATH1050
ELET	1120	Circ Sim Analy/Dsgn	2	A	ELET 1100
ELET	1130	Digital Circuits	4	A	ELET 1010, ELET 1050
ELET	2010	Adv Circuit Anal	3	F, Sp	ELET 1010, ELET 1100
ELET	2020	Tech Certification	2	F, Sp	ELET 1100, ELET 1130
ELET	2080	Surface Mt Tech	2	A	ELET 1080
ELET	2100	Adv Linear Cir	4	F, Sp	ELET 1100
ELET	2150	Com Systems	4	A	ELET 1100, ELET 1130
ELET	2200	Adv Measure	4	F, Sp	ELET 1100, ELET 1130
ELET	2300	Microprocessors	4	A	ELET 1130
ELET	2750	Elec Troublesht	4	F, Sp	ELET 1100

ELECTIVES (8 CREDITS)

COURSE			CR	SEM	PREREQUISITES
ELET	1020	IPCA-610AC	2	A	none
ELET	2410	Microwave Com	4	TBA	ELET 2150
ELET	2420	Elect Video Systems	4	A	ELET 2150
ELET	2450	Laser/Fiber Opt	4	TBA	none
ELET	2480	FCC License Prep	4	A	ELET 2150
TELE	1110	Telecm Cabling	2	A	none
TELE	2040	Basic Prgng f/Tech	2	A	ELET 1040

SAMPLE SCHEDULE

FIRST SEMESTER			SECOND SEMESTER		
ELET	1010	6	COM	1010	3
ELET	1040	2	ELET	1100	4
ELET	1050	3	ELET	1130	2
ELET	1080	2	ELET	2080	4
ENGL	1010	3	LE	1220	3
PHY	1010	3	**TOTAL**		**16**
TOTAL		**19**			

THIRD SEMESTER			FOURTH SEMESTER		
ELET	1120	3	ELET	2020	2
ELET	2010	3	ELET	2100	4
ELET	2150	4	ELET	2200	4
ELET	2300	4	ELET ELECTIVES		8
ELET	2750	4	**TOTAL**		**15**
TOTAL		**18**			

CERTIFICATES
The following departmental certificates are available from the Electronics Department:

ELECTRONICS TECHNOLOGY TECHNICIAN
(minimum 25 hours required)

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ELET	1010	DC/AC Bsc Elec	6	A	ELET 1050 or concurrent
ELET	1050	Electronics Mth	3	A	MATH 1010
ELET	1080	Elec Assm Skls	2	A	none
ELET	1100	Linear Cir	4	A	ELET 1010, ELET 1050
ELET	1120	Circ Sim Analy/Dsgn	2	A	ELET 1100
ELET	1130	Digital Circuits	4	A	ELET 1010, ELET 1050
ELET	2020	Technician Certifi	2	F, Sp	ELET 1100, ELET 1130
ELET	2080	Surf Mt Tech	2	A	ELET 1080

CONSUMER ELECTRONICS
(minimum 33 hours required)

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ELET	1010	DC/AC Bsc Elec	6	A	ELET 1050 or concurrent
ELET	1050	Electronics Mth	3	A	MATH 1010
ELET	1080	Elec Assm Skls	2	A	none
ELET	1100	Linear Cir	4	A	ELET 1010, ELET 1050
ELET	1130	Digital Circuits	4	A	ELET 1010, ELET 1050
ELET	2080	Surf Mt Tech	2	A	ELET 1080
ELET	2150	Com Systems	4	F, Sp	ELET 1100, ELET 1130
ELET	2420	Elect Vid Systems I	4	A	ELET 2150
ELET	2750	Elec Troublesht	4	F, Sp	ELET 1100

ELECTRONIC ASSEMBLY
(minimum 13 hours required)

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ELET	1010	DC/AC Bsc Elec	6	A	ELET 1050 or concurrent
ELET	1050	Electronics Mth	3	A	MATH 1010
ELET	1080	Elec Assm Skls	2	A	none
ELET	2080	Surf Mt Tech	2	A	ELET 1080

EMT (EMERGENCY MEDICAL TECHNICIAN TRAINING)
SEE **CONTINUING EDUCATION**. > > >

ENGINEERING

Estimated cost of books and supplies per semester $300-350

Science and Industry Building 220 (801) 957-4826
General Information (801) 957-4073
Academic Advisor (801) 957-4858
Coordinator: (801) 957-4785

Professors: Hassan Mohsenian, Nick Safai
Assistant Professor: Francis Afghan, Sara Farida
Instructors: Lee Brinton, Holly Moore

THE PROGRAM
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 science 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.

ASSOCIATE OF PRE-ENGINEERING DEGREE
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.

PREPARATION NOTE

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. Students interested in engineering may want to take ENGR 1010 and ENGR 1020 which provides an introduction to engineering as a profession. The courses cover the use of the HP 48 calculator, MATLAB software and spreadsheets using engineering applications. 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.

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.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF PRE-ENGINEERING TRANSFER DEGREE*

CHEMICAL ENGINEERING

(minimum 70 hours required)

GENERAL EDUCATION REQUIREMENTS

General Education requirements in this degree are reduced. Students who earn an Associate of Pre-Engineering degree will need to complete additional general education requirements for a bachelor's degree at the receiving institution. Transfer students should obtain advising regarding general education requirements specific to Engineering majors at the U of U.

CORE SKILLS
COMPOSITION

ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
	OR				
ENGL	2100	Technical Wrtng	3	A	ENGL 1010

QUANTITATIVE LITERACY

MATH	1210	Calculus I	4	A	MATH 1060

AMERICAN INSTITUTIONS (3 CREDITS)

ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

DISTRIBUTION AREAS

Choose an additional six credit hours from two of the following distribution areas:

Fine Arts	3	A	none
Humanities	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CEEN	1300	Statics	3	F, Sp	MATH 1210, PHY 2210
CEEN	2040	Num Tech	2	Sp	CS 1050, MATH 2250
CEEN	2310	Strength of Mat	2	F, Sp	CEEN 1300, w/MATH 2250, w/CEEN 2330
*CEEN	2330	Strgth of Mat Lab	1	F, Sp	w/CEEN 2310
CHE	2800	Fund of Pro Eng	3	Sp	CHE 2850
CHE	2850	Eng Thrmdynmc	2	F, Sp	CHEM 1210, MATH 1220, PHY 2210
CHEM	1210	GeneralChemistry I	4	F, Sp	MATH 1050, w/CHEM 1230
CHEM	1220	GeneralChemistryII	4	Sp, Su	CHEM 1210, w/CHEM 1240
CHEM	1230	Gen Chem Lab I	1	F, Sp	CHEM 1210
CHEM	1240	Gen Chem II Lab	1	Sp, Su	w/CHEM 1220
CHEM	2310	Organic Chem I	4	F, Sp	CHEM 1220, w/CHEM 2330
CHEM	2330	Org Chem Lab I	1	F, Sp	w/CHEM 2310
CS	1050	Engineer Comp	3	F, Sp	MATH 1050
	OR				
ENGR	1010	Intro to Engr	2	F, Sp	MATH 1060, w/ENGR 1020
	AND				
ENGR	1020	Intro to Engr Lab	1	F, Sp	w/ENGR 1010
MATH	1220	Calculus II	4	A	MATH 1210
*MATH	2210	MultivariateCalculus	3	A	MATH 1220
MATH	2250	Diff EquaLin Alg	3	A	MATH 1220
PHY	2210	Eng Physics I	4	A	MATH 1210
PHY	2220	Eng Physics II	4	A	PHY 2210
PHY	2230	Eng Physics I Lab	1	A	w/PHY 2210
PHY	2240	Eng Physics II Lab	1	A	w/PHY 2220

*Recommended but not required at the University of Utah

ELECTIVES (OPTIONAL)

MAY BE REQUIRED AT SOME TRANSFER INSTITUTIONS. SEE ADVISOR.

COURSE			CR	SEM	PREREQUISITES
CHE	2000	CO-OP Education	1-2	A	2nd year w/instructor's approval
CHEM	2320	Org Chem II	4	A	CHEM 2310 w/C or better, w/CHEM 2340
CHEM	2340	Org Chem Lab II	1	A	CHEM 2310 w/C or better, w/CHEM 2320

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
CHEM	1210	4	CHEM	1220	4
CHEM	1230	1	CHEM	1240	1
CS	1050	3	ENGL	2010	3
	OR			**OR**	
ENGR	1010	2	ENGL	2100	3
	AND		MATH	1220	4
ENGR	1020	1	PHY	2210	4
ENGL	1010	3	PHY	2230	1
MATH	1210	4	**TOTAL**		**17**
TOTAL		**15**			

2ND FALL SEMESTER			2ND SPRING SEMESTER		
CEEN	1300	3	CEEN	2040	2
CHE	2850	2	CEEN	2310	2
CHEM	2310	4	CEEN	2330	1
CHEM	2330	1	CHE	2800	3
MATH	2250	3	DISTRIBUTION		6
PHY	2220	4	AMER INSTITUTIONS		3
PHY	2240	1	**TOTAL**		**17**
TOTAL		**18**			

***NOTE:** 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, also available at the Utah System of Higher Education web site: http://www.utahsbr.edu/html/student_info.html

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF PRE-ENGINEERING TRANSFER DEGREE*

CIVIL/ENVIRONMENTAL ENGINEERING

(minimum 72.5 hours required, pending Board of Regents approval of total hours)

GENERAL EDUCATION REQUIREMENTS

General Education requirements in this degree are reduced. Students who earn an Associate of Pre-Engineering degree will need to complete additional general education requirements for a bachelor's degree at the receiving

institution. Transfer students should obtain advising regarding general education requirements specific to Engineering majors at the U of U.

CORE SKILLS
COMPOSITION

ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
	OR				
ENGL	2100	Technical Wrtng	3	A	ENGL 1010

QUANTITATIVE LITERACY

MATH	1210	Calculus I	4	A	MATH 1060

AMERICAN INSTITUTIONS (3 CREDITS)

ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

DISTRIBUTION AREAS

Choose an additional six credit hours from two of the following distribution areas:

Fine Arts	3	A	none
Humanities	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ARCH	1310	Intro to AutoCAD	3	F	comp literacy or instructor approval
CEEN	1100	Civil Engr Design	3	F	MATH 1010
CEEN	1300	Statics	3	A	MATH 1210, PHY 2210
CEEN	2030	Surveying	3	Sp	MATH 1060
CEEN	2130	Engr Economics	3	F	MATH 1050
CEEN	2310	Strength of Mat I	2	F, Sp	CEEN 1300, w/MATH 2250, w/ CEEN 2330
CEEN	2330	Strgth of Mat Lab	1	F, Sp	w/CEEN 2310
CEEN	2340	Dynamics I	2	F, Sp	CEEN 1300, MATH1220
CEEN	2410	Struc Theory I	3	Sp	CEEN 2310
CHE	2850	Eng Thermdyn	2	F, Sp	CHEM 1210, MATH 1220, PHY 2210
CHEM	1210	GeneralChemistry I	4	F, Sp	MATH 1050, w/CHEM 1230
CHEM	1220	GeneralChemistryII	4	Sp, Su	CHEM 1210, w/CHEM 1240
CHEM	1230	Gen Chem I Lab	1	F, Sp	CHEM 1210
CHEM	1240	Gen Chem II Lab	1	Sp, Su	w/CHEM 1220
CS	1050	Engr Computing	3	F, Sp	MATH 1050
	OR				
ENGR	1010	Engr Prob Solving	2	F, Sp	MATH 1060, w/ENGR 1020
	AND				
ENGR	1020	Intro to Engr Lab I	1	F, Sp	w/ENGR 1010
EE	1060	Elect Eng for CivEng	1.5	Sp	PHY 2210, w/MATH 2250
	OR				
MSE	2170	Mat Sci for Civil Eng	1.5	F, Sp	CHEM 1210
MATH	1220	Calculus II	4	A	MATH 1210
MATH	2210	Multivariate Cal	3	A	MATH 1220
MATH	2250	Diff Equa LinAlg	3	A	MATH 1220
PHY	2210	Engin Physics I	4	A	MATH 1210

ELECTIVES (OPTIONAL)

MAY BE REQUIRED AT SOME TRANSFER INSTITUTIONS. SEE ADVISOR.

CEEN	2000	CO-OP Education	1-2	A	2nd year, instructor's approval
CEEN	2040	Numerical Tech	2	Sp	CS 1050, MATH 2250
CEEN	2320	Strgth of Mat II	2	Sp	CEEN 2310, w/CEEN 2230, MATH 2210
MEEN	1050	Des/Vis Com	2	F	Drafting experience or education

SAMPLE SCHEDULE

FALL SEMESTER		
CHEM	1210	4
CHEM	1230	1
ENGL	1010	3
MATH	1210	4
PHY	2210	4
DISTRIBUTION		3
TOTAL		**19**

2ND FALL SEMESTER		
CEEN	1100	3
CEEN	2310	2
CEEN	2330	1
CEEN	2340	2
EE	1060	1.5
	OR	
MSE	2170	1.5
MATH	2250	3
AMER INSTITUTIONS		3
DISTRIUTION		3
TOTAL		**18.5**

SPRING SEMESTER		
CEEN	1300	3
CHEM	1220	4
CHEM	1240	1
CS	1050	3
	OR	
ENGR	1010	1
	AND	
ENGR	1020	1
ENGL	2010	3
	OR	
ENGL	2100	3
MATH	1220	4
TOTAL		**18**

2ND SPRING SEMESTER		
ARCH	1310	3
CEEN	2030	3
CEEN	2130	3
CEEN	2410	3
CHE	2850	2
MATH	2210	3
DISTRIBUTION		3
TOTAL		**20**

***NOTE:** 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, also available at the Utah System of Higher Education web site: http://www.utahsbr.edu/html/student_info.html

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF PRE-ENGINEERING TRANSFER DEGREE*

COMPUTER ENGINEERING

(minimum 66.5 hours required)

GENERAL EDUCATION REQUIREMENTS

General Education requirements in this degree are reduced. Students who earn an Associate of Pre-Engineering degree will need to complete additional general education requirements for a bachelor's degree at the receiving institution. Transfer students should obtain advising regarding general education requirements specific to Engineering majors at the U of U.

TRANSFER NOTE

The U of U 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 pursuing. Transfer students should also obtain advising regarding general education requirements specific to Engineering majors at the U of U. Engineering majors are required to take two general education courses that form an approved sequence pair; these may be completed at SLCC. In addition, Computer Engineering and Electircal Engineering majors must complete an Ethics course. PHIL 1110 at SLCC will satisfy the ethics requirement.

CORE SKILLS
COMPOSITION

ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
	OR				
ENGL	2100	Technical Wrtng	3	A	ENGL 1010

QUANTITATIVE LITERACY

MATH	1210	Calculus I	4	A	MATH 1060

AMERICAN INSTITUTIONS (3 CREDITS)

ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

NOTE: Consult with an advisor in selecting general education distriution courses that will also satisfy the sequence requirement for Engineering majors at the U of U.

DISTRIBUTION AREAS

Choose an additional nine credit hours from two to three of the following distribution areas:

Fine Arts	3	A	none
Humanities	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CHEM	1210	General Chem I	4	F, Sp	MATH 1050
CS	1050	Engineer Comp	3	F, Sp	MATH 1050
	OR				
ENGR	1010	Intro to Engr	2	F, Sp	MATH 1060, w/ENGR 1020
	AND				
ENGR	1020	Intro to Engr Lab	1	F, Sp	w/ENGR 1010
CS	1810	Intro Comp Sci I	4	A	CS 1050 or CS 1400
CS	1820	Int Comp Sci II	4	A	CS 1810
CS	2310	DiscreteStruct	3	Sp	CS 1820
CS	2610	Digital Sys Dsgn	4	Sp	CS 1050, MATH 1050
CS	2620	Comp Architect	4	F, Sp	CS 1820
EE	1020	Elect Eng Prob	1	F, Sp	none, w/mat lab
EE	1030	UNIX f/EE Students	.5	F, Sp	none
MATH	1220	Calculus II	4	A	MATH 1210
MATH	2210	Multivariate Cal	3	A	MATH 1220
MATH	2250	Dif Equa Lin Alg	3	A	MATH 1220
PHY	2210	Engin Physics I	4	A	MATH 1210
PHY	2220	Engin Physics II	4	A	PHY 2210

ELECTIVES (OPTIONAL)

MAY BE REQUIRED AT SOME TRANSFER INSTITUTIONS. SEE ADVISOR.

CS	1500	Delphi Progrm	3	F, Sp	CS 1020 and MATH 1050
CS	1510	Adv Delphi Prg	3	Sp	CS 1500
CS	2000	Co-op Education	1	F, Sp	Instructor's approval
CS	2130	UNIX	3	A	CS 1810 or concurrent
CS	2630	Comp Dsgn Lab	2	F, Sp	CS 2610, w/CS 2620
CS	2900	Current Topics/CS	1	TBA	Instructor's approval
EE	1010	IntrLbInstr/Mthds	1	F, Sp	none
EE	1100	ElecCrcts/CmpEng	4	F, Sp	MATH 1210, MATH 1220, PHY 2210, EE 1020
EE	2050	Fund of Elec Cir	4	F, Sp	EE 1010, EE 1100, PHY 2220
EE	2100	Engineer Elec	4	F, Sp	EE 1100, MATH 2250, PHY 2220

NOTE: Students planning to major in computer engineering should also take CS 2630, EE 1100, EE 2050 and EE 2100 which articulate to the University of Utah computer engineering program.

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
CS	1050	3	CS	1810	4
	OR		EE	1030	.5
ENGR	1010	2	ENGL	2010	3
	AND			**OR**	
ENG	1020	1	ENGL	2100	3
ENGL	1010	3	MATH	1220	4
MATH	1210	4	PHY	2220	4
PHY	2210	4	**TOTAL**		**15.5**
AMER INSTITUTIONS		3			
TOTAL		**17**			

2ND FALL SEMESTER			2ND SPRING SEMESTER		
CS	1820	4	CS	2310	3
CS	2610	4	CS	2620	4
CHEM	1210	4	MATH	2250	3
MATH	2210	3	DISTRIBUTION		6
DISTRIBUTION		3	TOTAL		16
TOTAL		**18**			

***NOTE:** 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, also available at the Utah System of Higher Education web site: http://www.utahsbr.edu/html/student_info.html

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF PRE-ENGINEERING TRANSFER DEGREE*

ELECTRICAL ENGINEERING

(minimum 70.5 hours required, pending Board of Regents approval of total hours)

GENERAL EDUCATION REQUIREMENTS

General Education requirements in this degree are reduced. Students who earn an Associate of Pre-Engineering degree will need to complete additional general education requirements for a bachelor's degree at the receiving institution. Transfer students should obtain advising regarding general education requirements specific to Engineering majors at the U of U.

TRANSFER NOTE

Transfer students should obtain advising regarding general education requirements specific to Engineering majors at the U of U. Engineering majors are required to complete two general education courses that form an approved sequence or pair; these may be completed at SLCC. In addition, Computer Engineering and Electrical Engineering majors must complete an Ethics Course. PHIL 1110 at SLCC will satisfy the ethics requirement.

CORE SKILLS
COMPOSITION

ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
	OR				
ENGL	2100	Technical Wrtng	3	A	ENGL 1010

QUANTITATIVE LITERACY

MATH	1210	Calculus I	4	A	MATH 1060

AMERICAN INSTITUTIONS (3 CREDITS)

ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	Am Natl Govt	3	A	none

NOTE: Consult with an advisor in selecting general education distribution courses that will also satisfy the sequence requirement for Engineering majors at the U of U.

DISTRIBUTION AREAS
Choose an additional nine credit hours from three of the following distribution areas:

Fine Arts	3	A	none
Humanities	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

NOTE: Electrical Engineering at the U of U requires an Ethics course which may be satisfied by taking PHIL 1110 from the Interdisciplinary area at SLCC.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
*CHE	2850	EnginThermodyn	2	F, Sp	CHEM 1210, MATH 1220 and PHY 2210
CHEM	1210	General Chem I	4	F, Sp	MATH 1050, w/CHEM 1230
CHEM	1230	General Chem I Lb	1	F, Sp	w/CHEM 1210
CS	1600	Struct Progrmng f/EE	3	Sp	MATH 1060 or concurrent
EE	1010	Lab Inst & Meth	1	F, Sp	none
EE	1020	Elect Eng Prob	1	F, Sp	none, w/mat lab
EE	1030	UNIX f/EE Students	.5	F, Sp	none
EE	1100	Intro to Elect Circts	4	F, Sp	MATH1210, w/MATH 1220, PHY 2210 and EE 1020
EE	2050	Fund of Elec Cir	4	F, Sp	EE 1010, EE 1100, PHY 2220
EE	2100	Fnds of Engr Elect	4	F, Sp	EE 1100, MATH 2250, PHY 2220
EE	2700	Fund of Dig Sys	4	Sp	CS 1600, PHY 2220
MATH	1220	Calculus II	4	A	MATH 1210
MATH	2210	Multivariate Cal	3	A	MATH 1220
MATH	2250	Diff Equ/Lin Alg	3	A	MATH 1220
PHY	2210	Eng Phys I	4	A	MATH 1210, w/PHYS 2230
PHY	2220	Eng Physics II	4	A	PHY 2210
**PHY	2230	Eng Phys I Lab	1	A	w/PHY 2210

*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.

ELECTIVES (OPTIONAL)

MAY BE REQUIRED AT SOME TRANSFER INSTITUTIONS. SEE ADVISOR.

CS	1810	Intro Comp Science I	4	A	CS 1050 or CS 1400
CS	1820	Intro Comp Sci II	4	A	CS 1810
EE	2000	CO-OP Education	1-2	A	2nd year w/approval
EE	2020	PSpice & Elec Wrkb	1	F, Sp	EE 1100, w/EE2050, and EE 2100

SAMPLE SCHEDULE

FALL SEMESTER		
CHEM	1210	4
CHEM	1230	1
EE	1030	.5
ENGL	1010	3
MATH	1210	4
AMER INSTITUTIONS		3
TOTAL		15.5

2ND FALL SEMESTER		
CHE	2850	2
EE	1010	1
EE	1100	4
MATH	2250	3
PHY	2220	4
DISTRIBUTION		6
TOTAL		**20**

SPRING SEMESTER		
CS	1600	4
EE	1020	1
ENGL	2010	3
OR		
ENGL	2100	3
MATH	1220	4
PHY	2210	4
PHY	2230	1
TOTAL		**17**

2ND SPRING SEMESTER		
EE	2050	4
EE	2100	4
EE	2700	4
MATH	2210	3
DISTRIBUTION		3
TOTAL		**18**

***NOTE:** 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, also available at the Utah System of Higher Education web site: http://www.utahsbr.edu/html/student_info.html

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF PRE-ENGINEERING TRANSFER DEGREE*

MANUFACTURING ENGINEERING

(minimum 67 hours required)

GENERAL EDUCATION REQUIREMENTS

General Education requirements in this degree are reduced. Students who earn an Associate of Pre-Engineering degree will need to complete additional general education requirements for a bachelor's degree at the receiving institution.

TRANSFER NOTE

Students transferring to Weber State University, University of Utah, or Brigham Young University should consult the receiving institution for appropriate course transfer information for both General Education and program requirements.

CORE SKILLS
COMPOSITION

ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
	OR				
ENGL	2100	Technical Wrtng	3	A	ENGL 1010

QUANTITATIVE LITERACY

MATH	1210	Calculus I	4	A	MATH 1060

AMERICAN INSTITUTIONS (3 CREDITS)

ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

DISTRIBUTION AREAS
Choose an additional nine credit hours from three of the following distribution areas:

Fine Arts	3	A	none
Humanities	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CEEN	1300	Statics	3	F, Sp	MATH 1210, PHY 2210
CEEN	2040	Num Tech	2	Sp	CS 1050, MATH 2250
CHEM	1210	GeneralChemistry I	4	F, Sp	MATH 1050, w/CHEM 1230
CHEM	1220	GeneralChemistryII	4	Sp, Su	CHEM 1210, w/CHEM 1240
CHEM	1230	Gen Chem Lab I	1	F, Sp	CHEM 1210
CHEM	1240	Gen Chem II Lab	1	Sp, Su	w/CHEM 1220
CS	1050	Engineer Comp	3	F, Sp	MATH 1050
CS	1500	Delphi Prog	3	F, Sp	CIS 1020, MATH 1050
CS	1810	Intro Comp Sci I	4	A	CS 1050 or CS 1400
MATH	1220	Calculus II	4	A	MATH 1210
MATH	2210	Multivariate Cal	3	A	MATH 1220
MATH	2250	Diff Equ Alg	3	A	MATH 1220
PHY	2210	Engin Phys I	4	A	MATH 1210, w/PHY 2230
PHY	2220	Engin Physics II	4	A	PHY 2210, w/PHY 2240
PHY	2230	Engin Phys I Lb	1	A	w/PHY 2210
PHY	2240	Eng Physics II L	1	A	w/PHY 2220

ELECTIVE (OPTIONAL)

MAY BE REQUIRED AT SOME TRANSFER INSTITUTIONS. SEE ADVISOR.

MEEN	2000	CO-OP Education	1-2	A	2nd year w/instructor's approval

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
CHEM	1210	4	CHEM	1220	4
CHEM	1230	1	CHEM	1240	1
CS	1500	3	CS	1050	3
MATH	1210	4	MATH	1220	4
PHY	2210	4	PHY	2220	4
PHY	2230	1	PHY	2240	1
TOTAL		**17**	**TOTAL**		**17**
2ND FALL SEMESTER			**2ND SPRING SEMESTER**		
CEEN	1300	3	CEEN	2040	2
CS	1810	4	MATH	2250	3
ENGL	1010	3	ENGL	2010	3
MATH	2210	3		**OR**	
DISTRIBUTION		3	ENGL	2100	3
TOTAL		**16**	AMER INSTITUTIONS		3
			DISTRIBUTION		6
			TOTAL		**17**

***NOTE:** 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, also available at the Utah System of Higher Education web site: http://www.utahsbr.edu/html/student_info.html

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF PRE-ENGINEERING TRANSFER DEGREE*

MATERIALS SCIENCE ENGINEERING

(minimum 71 hours required pending Board of Regents approval of total hours)

GENERAL EDUCATION REQUIREMENTS

General Education requirements in this degree are reduced. Students who earn an Associate of Pre-Engineering degree will need to complete additional general education requirements for a bachelor's degree at the receiving institution. Transfer students should obtain advising regarding general education requirements specific to Engineering majors at the U of U.

CORE SKILLS
COMPOSITION

ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
	OR				
ENGL	2100	Technical Wrtng	3	A	ENGL 1010

QUANTITATIVE LITERACY

MATH	1210	Calculus I	4	A	MATH 1060

AMERICAN INSTITUTIONS (3 CREDITS)

ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

NOTE: Consult with an advisor in selecting general education distribution courses that will also satisfy the sequence requirement for Engineering majors at the U of U.

DISTRIBUTION AREAS

Choose an additional 6 credit hours from one to two of the following distribution areas:

Fine Arts	3	A	none
Humanities	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CEEN	1300	Statics	3	F, Sp	MATH 1210, PHY 2210
CEEN	2310	Strength Mtls I	2	F, Sp	CEEN 1300, w/MATH 2250
CHEM	1210	GeneralChemistry I	4	F, Sp	MATH 1050, w/CHEM 1230
CHEM	1220	GeneralChemistryII	4	Sp, Su	CHEM 1210, w/CHEM 1240
CHEM	1230	Gen Chem Lab I	1	F, Sp	CHEM 1210
CHEM	1240	Gen Chem II Lab	1	Sp, Su	w/CHEM 1220
CHEM	2310	Organic Chem I	4	A	CHEM 1220, w/CHEM 2330
CS	1050	Engineer Comp	3	F, Sp	MATH 1050
	OR				
ENGR	1010	Intro to Engr	2	F, Sp	MATH 1060, w/ENGR 1020
	AND				
ENGR	1020	Intro to Engr Lab	1	F, Sp	w/ENGR 1010
EE	1050	Elet Eng f/non EEmaj	3	F, Sp	PHY 2220, w/MATH 2250
MATH	1220	Calculus II	4	A	MATH 1210
MATH	2210	Multivariate Cal	3	A	MATH 1220
MATH	2250	Diff Equ/Lin Alg	3	A	MATH 1220
MSE	2010	Int Mat Sci Eng	4	F	CHEM 1220
MSE	2210	Elec Prop Mtls	2	Sp	CHEM 1220, MSE 2010, PHY 2220
MSE	2410	Intro to Polymrs	2	Sp	CHEM 1220, MSE 2010
PHY	2210	Engin Physics I	4	A	MATH 1210, w/PHY 2230
PHY	2220	Engin Physics II	4	A	PHY 2210
PHY	2230	Eng Physics I L	1	A	w/PHY 2210

ELECTIVES (OPTIONAL)

MAY BE REQUIRED AT SOME TRANSFER INSTITUTIONS. SEE ADVISOR.

CEEN	2040	Num Tech	2	Sp	CS 1050, MATH 2250
CHEM	2320	Organic Chem II	5	A	CHEM 2310 w/C or better, w/CHEM 2340 (lab)
MSE	2000	CO-OP	1-2	A	2nd year, instructor's approval

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
CHEM	1210	4	CHEM	1220	4
CHEM	1230	1	CHEM	1240	1
CS	1050	3	ENGL	1010	3
	OR		MATH	1220	4
ENGR	1010	2	PHY	2220	4
MATH	1210	4	**TOTAL**		**16**
PHY	2210	4			
PHY	2230	1	**2ND SPRING SEMESTER**		
TOTAL		**17**	CEEN	2310	2
			EE	1050	3
2ND FALL SEMESTER			MATH	2250	3
CEEN	1300	3	MSE	2210	2
CHEM	2310	4	MSE	2410	2
ENGL	2010	3	AMER INSTITUTIONS		3
	OR		DISTRIBUTION		3
ENGL	2100	3	**TOTAL**		**18**
MATH	2210	3			
MSE	2010	4			
DISTRIBUTION		3			
TOTAL		**20**			

***NOTE:** 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, also available at the Utah System of Higher Education web site: http://www.utahsbr.edu/html/student_info.html

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF PRE-ENGINEERING TRANSFER DEGREE*

MECHANICAL ENGINEERING

(minimum 72 hours required pending Board of Regents approval of total hours)

GENERAL EDUCATION REQUIREMENTS

General Education requirements in this degree are reduced. Students who earn an Associate of Pre-Engineering degree will need to complete additional general education requirements for a bachelor's degree at the receiving

institution. Transfer students should obtain advising regarding general education requirements specific to Engineering majors at the U of U.

CORE SKILLS
COMPOSITION

ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
	OR				
ENGL	2100	Technical Wrtng	3	A	ENGL 1010

QUANTITATIVE LITERACY

MATH	1210	Calculus I	4	A	MATH 1060

AMERICAN INSTITUTIONS (3 CREDITS)

ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

NOTE: Consult with an advisor in selecting general education distribution courses that will also satisfy the sequence requirement for Engineering majors at the U of U.

DISTRIBUTION AREAS
Choose an additional six credit hours from one to two of the following distribution areas:

Fine Arts	3	A	none
Humanities	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CHE	2850	Eng Thrmdnmc	2	F, Sp	CHEM 1210, MATH 1220, PHY 2210
CHEM	1210	General Chem I	4	F, Sp	MATH 1050, w/CHEM 1230
CHEM	1230	General Chem Lab I	1	F, Sp	w/CHEM 1210, w/ENGR 1020
CS	1050	Engineer Comp	3	F, Sp	MATH 1050
	OR				
ENGR	1010	Intro to Engr	2	F, Sp	MATH 1060, w/ENGR 1020
	AND				
ENGR	1020	Intro to Engr Lab	1	F, Sp	w/ENGR 1010
EE	1050	Elec En/Non EE	3	F, Sp	PHY 2220, w/MATH 2250
MATH	1220	Calculus II	4	A	MATH 1210
MATH	2210	Multivariate Cal	3	A	MATH 1220
MATH	2250	Diff Equ/Lin Alg	3	A	MATH 1220
MEEN	1050	Des&Visual Comm	3	F	none
MEEN	1300	Statics	3	F, Sp	MATH 1210, PHY 2210
MEEN	2040	Numerical Techniq	2	Sp	CS 1050, MATH 2250
MEEN	2050	Engr Manufng/Lab	4	Sp	MEEN 1300, MEEN 2310
MEEN	2310	Strength Mtls I	2	F, Sp	MEEN 1300, w/MATH 2250
*MEEN	2330	Strgth of MatLab	1	F, Sp	w/MEEN 2310
MEEN	2340	Dynamics I	2	F, Sp	MEEN 1300
MEEN	2350	Dynamics II	2	Sp	MEEN 2340, MATH 1220
MSE	2160	Elem Mat Eng	3	F	CHEM 1210
PHY	2210	Eng Physics I	4	A	MATH 1210
PHY	2220	Engin Phys II	4	A	PHY 2210

*Not required at the University of Utah

ELECTIVES (OPTIONAL)

MAY BE REQUIRED AT SOME TRANSFER INSTITUTIONS. SEE ADVISOR.

MEEN	2000	CO-OP Education	1-2	A	2nd year, instructor's approval

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
CHEM	1210	4	ENGL	2010	3
CHEM	1230	1		**OR**	
ENGL	1010	3	ENGL	2100	3
MATH	1210	4	MATH	1220	4
MEEN	1050	3	MEEN	1300	3
PHY	2210	4	PHY	2220	4
TOTAL		**19**	AMER INSTITUTIONS		3
			TOTAL		**17**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
CHE	2850	2	EE	1050	3
CS	1050	3	MATH	2210	3
	OR		MEEN	2040	4
ENGR	1010	2	MEEN	2050	4
	AND		MEEN	2350	2
ENGR	1020	1	DISTRIBUTION		3
MATH	2250	3	**TOTAL**		**17**
MEEN	2310	2			
MEEN	2330	1			
MEEN	2340	3			
MSE	2160	2			
DISTRIBUTION		3			
TOTAL		**19**			

***NOTE:** 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, also available at the Utah System of Higher Education web site: http://www.utahsbr.edu/html/student_info.html

ENGINEERING DESIGN/ DRAFTING TECHNOLOGY

Redwood Road Campus, AT 208 (801) 957-4074
General Information (801) 957-4073
Academic Advisor CT 186 (801) 957-4550

Professors: Sherwood Davis, Jane Hook
Associate Professor: David Webb
Instructors: Joel Clarkson, Daymon Stevens

THE PROGRAM

Engineering design/drafting is a profession that encompasses a variety of engineering disciplines that are always in high demand. Design/drafters are needed in mechanical, structural, industrial, electronics, civil, piping, manufacturing and aerospace fields. The drafter/designer is an integral part of any design team, developing drawings and designs for production. Because all fields of engineering use computer-aided design software, there also is a strong emphasis on in-depth use and customization of various software programs.

CAREER OPPORTUNITIES

The entry-level drafter works with designers and engineers to create detail drawings from concept sketches and design layouts for fabrication and presentation. The designer produces layouts, assemblies, designs and production drawings according to specifications and design criteria of the industry. Qualified graduates can expect to earn a starting salary between $18,000 and $24,000 per year.

STUDENT ORGANIZATIONS

Skills USA (formerly VICA) - 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. This training is included in the curriculum of this program.

PREREQUISITES
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.

COOPERATIVE EDUCATION
The college may award credit for work experience related to the different disciplines of drafting/design. The student will work through the department to determine eligibility.

CLASS AVAILABILITY
In the evening program, advanced courses are taught on a demand basis and not necessarily in the semesters stated. In the summer term, advanced courses will be taught on a rotating schedule. Students should check the semester class schedule for the day/evening availability and modifications caused by varying enrollment.

COMPLETING THE GENERAL EDUCATION REQUIREMENTS LISTED BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE FOR STUDENTS WHO HAVE COMPLETED THE AAS IN EDDT:*

ENGINEERING DESIGN/DRAFTING TECHNOLOGY

(minimum 64 hours required)

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 UVSC 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. Upon completion of the AS degree, students should be able to transfer as juniors to UVSC Technology Management Bachelor's program (see a transfer advisor.) Students who transfer before completing the AAS and AS in Engineering Design/Drafting Technology must see the UVSC advisor about specific requirements they may still need to complete.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS (9-10 CREDITS)					
COMPOSITION					
ENGL	2010	Interm Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1030	Quantitative Reas	3	A	MATH 1010 or CPT score
	OR				
MATH	1040	Intro to Statistics	3	A	MATH 1010 or CPT score
	OR				
MATH	1050	College Algebra	4	A	MATH 1010 or CPT score
AMERICAN INSTITUTIONS					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	American Civ	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS					
HLA			1	A	none
STUDENT CHOICE (2-3 CREDITS)					
COMPUTER LITERACY					

DISTRIBUTION AREAS (15 CREDITS)
Choose an additional course (3 credits) from each of the following distribution areas except the one selected for the AAS degree. (LE 1220 satisfies SS.)

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none

See pp. 22-23 for options in each of these categories.

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

MANUFACTURING ENGINEERING TECHNOLOGY

(minimum 63 hours required)

Earning an AS degree while focusing on manufacturing engineering technology provides students with the basic mechanical and CAD drafting skills required for entry-level placement in industry but is specifically for students wishing to transfer into the manufacturing engineering technology bachelor of science degree program at Weber State University.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS (17 CREDITS)					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1210	Calculus I	4	A	MATH 1060
AMERICAN INSTITUTIONS					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	American Civ	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS					
HLA			1	A	none
STUDENT CHOICE (2-3 CREDITS)					
COM	1010	Effective Comm	3	A	none
	OR				
COM	1200	Princ of Public Spk	3	A	none
COMPUTER LITERACY					

DISTRIBUTION AREAS (15 CREDITS)
Choose an additional course from each of the following general education areas:

Biological Science	3	A	none
Fine Arts (take FA 1080)	3	A	none
*Humanities	3	A	none
*Interdisciplinary	3	A	none (from Social Science)
Social Science (ECON 1010)	3	A	none

*To meet the diversity requirement at WSU, students should take one of the following as either their Humanities or Interdisciplinary class:
ENGL 2710 (Humanities)
ANTH 1010 (Interdisciplinary)
GEOG 1600 (Interdisciplinary)
SOC 1020 (Interdisciplinary)
Physical Science is exempted, as CHEM 1110 is required in the program.
See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS (31 CREDITS)

COURSE			CR	SEM	PREREQUISITES
CHEM	1110	Elem Chemistry	4	A	none
CHEM	1130	Elem Chem Lab	1	A	w/ CHEM 1110
	OR				
CHEM	1210	Gen Chemistry I	4	A	MATH 1050
CHEM	1230	Gen Chem I Lab	1	A	w/ CHEM 1210
PHY	2010	Mech,Heat,Waves	4	A	MATH 1060
PHY	2030	Physics I Lab	1	A	w/ PHY 2010
	OR				
PHY	2210	Engineering Phys I	4	A	MATH 1210
PHY	2230	Engin Phys I Lab	1	A	w/ PHY 2210
*EDDT	1040	Intro to AutoCAD	3	A	none
EDDT	1100	Adv AutoCAD	2	A	EDDT 1040
EDDT	2340	Manufac Process	3	F	EDDT 1040 or concurrent, w/EDDT 2350
EDDT	2350	Manufac Process Lab	1	F	w/EDDT 2340
EDDT	2540	Geo Dim & Tol	2	Sp	EDDT 1100
MAT	1370	CAD/CAM	2	Sp	EDDT 1100
MAT	1500	Manual Machining	3	F	w/ MAT 1510
MAT	1510	Manual Mach Lab	1	F	w/ MAT 1500
MAT	1600	CNC Programming	3	Sp	w/ MAT 1610
MAT	1610	CNC Program Lab	1	Sp	w/ MAT 1600

*Waived for equivalent experience or course, challenge test available.

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

SAMPLE SCHEDULE

FIRST SEMESTER			SECOND SEMESTER		
EDDT	1040	3	ENGL	1010	3
EDDT	2340	3	EDDT	1100	2
EDDT	2350	1	MAT	1600	3
MAT	1500	3	MAT	1610	1
MAT	1510	1	AMER INSTITUTIONS		3
MATH	1210	4	SS INTERDISCIPL		3
HLA		1	**TOTAL**		**15**
TOTAL		**16**			

THIRD SEMESTER			FOURTH SEMESTER		
ECON	1010	3	CHEMISTRY		5
ENGL	2010	3	COM	1010	3
FA	1080	3	EDDT	2540	2
PHYSICS		5	MAT	1370	2
DISTRIBUTION		3	DISTRIBUTION		3
TOTAL		**17**	**TOTAL**		**15**

In addition to the required courses listed above, WSU's Manufacturing Engineering Technology Bachelor of Science degree requires the following courses that may also be completed at SLCC before transferring:

*MEEN 1300	Statics	3	F,Sp	PHY 2210
*MEEN 2310	Strength of Materials	2	F,Sp	MEEN 1300
*MEEN 2330	Mat Lab	1	F,Sp	w/ MEEN 2310
**EDDT 2600	3D CAD Modeling	4	F	EDDT 1100

*These three courses can be taken at Weber State University as one course.
**Does not articulate but would be valuable.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

MECHANICAL ENGINEERING TECHNOLOGY

(minimum 61 hours required)

Earning an AS degree while focusing on mechanical engineering technology provides students with the basic mechanical and CAD drafting skills required for placement in the industry, but is specifically for students wishing to transfer into the mechanical engineering technology bachelor of science degree program at Weber State University.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS (17 CREDITS)					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1210	Calculus I	4	A	MATH 1060
AMERICAN INSTITUTIONS					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	American Civ	3	A	none
	OR				
POLI	1100	US Gov& Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS					
HLA			1	A	none
STUDENT CHOICE (2-3 CREDITS)					
COM	1010	Effective Comm	3	A	none
	OR				
COM	1200	Princ of Public Spk	3	A	none

COMPUTER LITERACY

DISTRIBUTION AREAS

Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
*Humanities	3	A	none
*Interdisciplinary	3	A	none
Social Science (ECON 1010)	3	A	none

*To meet the diversity requirement at WSU, students should take one of the following as either their Humanities or Interdisciplinary class:

ENGL 2710 (Humanities)
ANTH 1010 (Interdisciplinary)
GEOG 1600 (Interdisciplinary)
SOC 1020 (Interdisciplinary)

Physical Science is exempted, as CHEM 1110 is required in the program.See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
PHY	2210	Engineer Phys	4	A	MATH 1210
PHY	2230	Engineer Phys Lb	1	A	w/PHY 2210
CHEM	1110	Elem Chem	4	A	none
CHEM	1130	Elem Chem Lab	1	A	none
EDDT	1040	Intro to AutoCAD	3	A	none
EDDT	1100	Adv AutoCAD	2	A	EDDT 1040
EDDT	2340	Manufac Process	3	F	EDDT 1040 or concurrent, w/EDDT 2350
EDDT	2350	Manufac Process Lab	1	F	w/EDDT 2340
EDDT	2540	Geo Dim & Tol	2	Sp	EDDT 1100
EDDT	2600	3D CAD Model	5	F	EDDT 1100
MAT	1500	Manual Machng	3	F	w/MAT 1510
MAT	1510	Manual Mach Lab	1	F	w/MAT 1500

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

SAMPLE SCHEDULE

FIRST SEMESTER			SECOND SEMESTER		
EDDT	1040	3	EDDT	1100	2
EDDT	2340	3	ENGL	1010	3
EDDT	2350	1	PHY 2210/2230		5
MAT	1500	3	AMER INSTITUTIONS		3
MAT	1510	1	DISTRIBUTION		3
MATH	1210	4	**TOTAL**		**16**
TOTAL		**15**			

THIRD SEMESTER			FOURTH SEMESTER		
ECON	1010	3	CHEM	1110	4
EDDT	2600	4	CHEM	1130	1
ENGL	2010	3	COM	1010	3
DISTRIBUTION		6	EDDT	2540	2
TOTAL		**16**	DISTRIBUTION		3
			HLA		1
			TOTAL		**14**

In addition to the required courses listed above, Weber State University's Mechanical Engineering Technology Bachelor of Science degree requires the following courses that may also be completed at SLCC before transferring:

COURSE		CR	SEM	PREREQUISITES
MATH 1220	Calculus II	4	A	MATH 1210
PHY 2220	Engineer Phys	4	A	PHYS 2210
PHY 2240	Engineer Phys Lb	1	A	w/PHY 2220
*MEEN 1300	Statics	3	F, Sp	PHY 2210
*MEEN 2310	Strngth of Mat	2	F, Sp	MEEN 1300
*MEEN 2330	Mat Lab	1	F, Sp	w/MEEN 2310

*These three courses can be taken at Weber State University as one course, MFET 2300.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

CAD/CAM ENGINEERING TECHNOLOGY

(minimum 61 hours required)

Earning an AS degree while focusing on mechanical engineering technology provides students with the basic mechanical drafting, CAD and CNC machining skills required for entry-level placement in industry, but is specifically for students wishing to transfer into the CAD/CAM engineering technology bachelor of science degree program at Southern Utah University.

GENERAL EDUCATION REQUIREMENTS

COURSE		CR	SEM	PREREQUISITES
CORE SKILLS				
COMPOSITION				
ENGL 1010	Intro to Writing	3	A	pre-test
ENGL 2010	Interm Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY				
MATH 1210	Calculus I	4	A	MATH 1060
AMERICAN INSTITUTIONS				
ECON 1740	Econ Hist of US	3	A	none
OR				
HIS 1700	American Civ	3	A	none
OR				
POLI 1100	US Gov& Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS				
HLA		1	A	none
STUDENT CHOICE (2-3 CREDITS)				
COM 1010	Elem Effect Com	3	A	none
COMPUTER LITERACY				
DISTRIBUTION AREAS				

Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Social Science	3	A	none

Physical Science area is exempted; PHY 2010 is required for the program. See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS (29 CREDITS)

COURSE		CR	SEM	PREREQUISITES
*EDDT 1010	Technical Drafting I	4	A	none
*EDDT 1040	Intro to AutoCAD	3	A	none
EDDT 1100	Advanced AutoCAD	2	A	EDDT 1040
EDDT 2180	Electronic Drafting	3	Sp	EDDT 1100
EDDT 2340	Manufact. Processes	3	F	EDDT 1040 or concurrent, w/EDDT 2350
EDDT 2350	Manufact. Lab	1	F	w/EDDT 2340
EDDT 2540	Geo. Dimen. & Tol	2	Sp	EDDT 1100
EDDT 2600	3D CAD Modeling	4	F	EDDT 1100
MAT 1370	CAD/CAM	2	Sp	EDDT 1100
PHY 2010	Mech, Heat & Waves	4	A	MATH 1060
PHY 2030	Physica I Lab	1	A	w/PHY 2010

*Waived for equivalent experience or course; challenge test available.

SAMPLE SCHEDULE

FIRST SEMESTER			SECOND SEMESTER		
EDDT	1010	4	EDDT	1100	2
EDDT	1040	3	ENGL	1010	3
EDDT	2340	3	MATH	1210	4
EDDT	2350	1	DISTRIBUTION		6
DISTRIBUTION		3	**TOTAL**		**15**
HLA		1			
TOTAL		**15**			

THIRD SEMESTER			FOURTH SEMESTER		
EDDT	2600	4	COM	1010	3
ENGL	2010	3	EDDT	2180	3
AMER INSTITUTIONS		3	EDDT	2540	2
DISTRIBUTION		6	MAT	1370	2
TOTAL		**16**	PHY	2010	4
			PHY	2030	1
			TOTAL		**15**

In addition to the required courses listed above, SUU's CAD/CAM Engineering Technology Bachelor of Science degree articulates the following classes that may also be completed at SLCC before transferring:

MAT 1600	CNC Programming	3	Sp	w/MAT 1610
MAT 1610	CNC Program. Lab	1	Sp	w/MAT 1600

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

ASSOCIATE OF APPLIED SCIENCE DEGREE IN ENGINEERING DESIGN/ DRAFTING TECHNOLOGY

(minimum 63 hours required)

The AAS degree provides, in addition to the certificate, an emphasis in specific discipline areas such as: electro-mechanical, machine design, structural steel detailing, piping, civil, manufacturing, and depth in CAD areas such as customization, solid modeling, and discipline specific software.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
MATH	1010	Inter Algebra	4	A	MATH 0970 or CPT score
COMMUNICATION					
COM	1010	Elem Effect Com	3	A	none
	OR				
COM	1200	Princ of Pub Spking	3	A	none
HUMAN RELATIONS					
LE	1220	Human Relation	3	A	none

DISTRIBUTION AREAS

Choose an additional three credit hours from one of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS (40 CREDITS)

COURSE			CR	SEM	PREREQUISITES
*EDDT	1010	Tech Drafting I	4	A	none
*EDDT	1040	Intro to CAD	3	A	none
EDDT	1100	Adv AutoCAD	2	A	EDDT 1040
EDDT	1200	Tech Drafting II	4	A	EDDT 1010, w/EDDT 1100
EDDT	1420	Basic MicroStn	2	A	none
EDDT	2180	Elec Drafting	3	Sp	EDDT 1100, EDDT 1200
EDDT	2190	Civil Drafting	2	F, Sp	EDDT 1040, EDDT 1420
EDDT	2240	Steel Detailing	3	F	MATH 1010, EDDT 1040
EDDT	2260	Machine Design	2	Sp	MATH 1010, EDDT 1040
EDDT	2340	Manufac Process	3	F	EDDT 1040 or concurrent, w/EDDT 2350
EDDT	2350	Manufac Process Lab	1	F	w/EDDT 2340
EDDT	2360	Pipe Drafting	2	Sp	EDDT 1040
EDDT	2400	CAD Custmiztn	3	F	EDDT 1100
EDDT	2540	Geo Dimen Tol	2	Sp	EDDT 1100
EDDT	2600	3D CAD Model	4	F	EDDT 1100, EDDT 1200

*Waived for equivalent experience or course; challenge test available.

ELECTIVES (7 CREDITS)

SELECT AT LEAST 7 CREDIT HOURS FROM THE FOLLOWING LISTS:

EDDT	2990	Special Topics	1-5	A	Instructor approval

ELECTRO/MECHANICAL ELECTIVES

EDDT	2700	Adv Solid Works	2	Sp, Su	EDDT 2600 or equiv exper
EDDT	2710	AutoDesk 3D Mod	2	F, Su	AutoCAD experience
EDDT	2720	Solid Mod w/Pro-E	2	Sp, Su	CAD exper recommended
MAT	1370	CAD/CAM	2	Sp	EDDT 1100
MAT	1500	Manual Machining	3	F	w/MAT 1510
MAT	1510	Manual Mach Lab	1	F	w/MAT 1500
MAT	1600	CNC Programming	3	Sp	w/MAT 1610
MAT	1610	CNC Program Lab	1	Sp	w/MAT 1600

STRUCTURAL/CIVIL ELECTIVES

ARCH	2350	Adv Arch CAD	3	Sp	Instructor approval
EDDT	2420	Adv MicroStation	2	Sp	EDDT 1420
SVT	1110	Surveying Math I	3	F	MATH 1010 or CPT
SVT	1030	Survey Field Tech	3	Sp	SVT 1110 or MATH 1060
SVT	2290	App Survey Draft	3	Sp	EDDT 2190, SVT 1030

SAMPLE SCHEDULE

FIRST SEMESTER			SECOND SEMESTER		
EDDT	1010	4	COM	1010	3
EDDT	1040	3		**OR**	
EDDT	2340	3	COM	1200	3
EDDT	2350	1	EDDT	1100	2
MATH	1010	4	EDDT	1200	4
TOTAL		**15**	EDDT	2260	2
			EDDT	2360	2
			LE	1220	3
			TOTAL		**16**

THIRD SEMESTER			FOURTH SEMESTER		
EDDT	2240	3	EDDT	1420	2
EDDT	2400	3	EDDT	2180	3
EDDT	2600	4	EDDT	2190	2
ENGL	1010	3	EDDT	2540	2
DISTRIBUTION		3	EDDT ELECTIVES		7
TOTAL		**16**	**TOTAL**		**16**

CERTIFICATE OF COMPLETION ENGINEERING DRAFTING TECHNOLOGY

(minimum 31 hours required)

The two-semester certificate of completion provides the student with entry-level industry skills in mechanical drafting and computer-assisted drafting (CAD) as well as courses in speciality areas of student's choice.

GENERAL EDUCATION REQUIREMENTS (10 CREDITS)

COURSE			CR	SEM	PREREQUISITES
COM	1010	Elem Effect Com	3	A	none
	OR				
COM	1200	Princ of Pub Spking	3	A	none
LE	1220	Human Relations	3	A	none
MATH	1010	Interm Algebra	4	A	MATH 0970 or CPT score

MAJOR COURSE REQUIREMENTS (13 CREDITS)

COURSE			CR	SEM	PREREQUISITES
*EDDT	1010	Tech Drafting I	4	A	none
*EDDT	1040	Intro to CAD	3	A	none
EDDT	1100	Adv AutoCAD	2	A	EDDT 1040
EDDT	1200	Tech Drafting II	4	A	EDDT 1010, w/EDDT 1100

*Waived for equivalent experience or course; challenge test available.

ELECTIVES

(SELECT AT LEAST EIGHT CREDIT HOURS FROM THE FOLLOWING):

EDDT	1420	Basic Micro Stat	2	A	none
EDDT	2180	Elec Drafting	3	Sp	EDDT 1100, EDDT 1200
EDDT	2190	Civil Drafting	3	F, Sp	EDDT 1040, EDDT 1420
EDDT	2240	Steel Detailing	3	F	MATH 1010, EDDT 1040
EDDT	2340	Manufac Process	3	F	EDDT 1040 or concurrent, w/EDDT 2350
EDDT	2350	Manufac Process Lab	1	F	w/EDDT 2340
EDDT	2360	Pipe Drafting	2	Sp	EDDT 1040
EDDT	2540	Geo Dimen Tol	2	Sp	EDDT 1100**
EDDT	2600	3D CAD Model	4	F	EDDT 1100**
EDDT	2990	Special Topics	1-5	A	Instructor approval

**These courses can e taken concurrently with this prerequisite.

SAMPLE SCHEDULE

FIRST SEMESTER			SECOND SEMESTER		
COM	1010	3	EDDT	1100	2
	OR		EDDT	1200	4
COM	1200	3	EDDT ELECTIVES		2-4
EDDT	1010	4	LE	1220	3
EDDT	1040	3	MATH	1010	4
EDDT ELECTIVE		4-6	**TOTAL**		**15-17**
TOTAL		**14-16**			

NOTE: Students acquiring an Associate of Science degree may simultaneously earn a Certificate in Engineering Drafting Technology by selecting the above courses to fulfill the vocational/technical component of their AS degree.

CERTIFICATE OF COMPLETION MACHINING TECHNOLOGY

(minimum 31 hours required)

NOTE: This program is pending Board of Regent approval. Financial aid is available only to those programs approved by the Board of Regents.

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.

GENERAL EDUCATION REQUIREMENTS (10 CREDITS)

COURSE			CR	SEM	PREREQUISITES
COM	1010	Elem Effect Com	3	A	none
	OR				
COM	1200	Princ of Pub Spking	3	A	none
LE	1220	Human Relations	3	A	none
MATH	1010	Interm Algebra	4	A	MATH 0970 or CPT score

MAJOR COURSE REQUIREMENTS (21 CREDITS)

COURSE		CR	SEM	PREREQUISITES
*EDDT 1040	Intro to AutoCAD	3	A	none
EDDT 1100	Adv AutoCAD	2	A	EDDT 1040
EDDT 2340	Manufct. Processes	3	F	EDDT 1040 or concurrent, w/EDDT 2350
EDDT 2350	Manufacturing Lab	1	F	w/ EDDT 2340
EDDT 2540	Geo Dimen & Tol	2	Sp	EDDT 1100**
MAT 1370	CAD/CAM	2	Sp	EDDT 1100**
MAT 1500	Manual Machining	3	F	w/MAT 1510
MAT 1510	Man. Machining Lab	1	F	w.MAT 1500
MAT 1600	CNC Programming	3	Sp	w/MAT 1610
MAT 1610	CHC Progrm. Lab	1	Sp	w/MAT 1600

*Waived for equivalent experience or course; challenge test available.
**these courses may be taken concurrently with their prerequisites.

SAMPLE SCHEDULE

FIRST SEMESTER			SECOND SEMESTER		
COM	1010	3	EDDT	1100	2
	OR		EDDT	2540	2
COM	1200	3	MAT	1370	2
EDDT	1040	3	MAT	1600	3
EDDT	2340	3	MAT	1610	1
EDDT	2350	1	MATH	1010	4
MAT	1500	3	**TOTAL**		**14**
MAT	1510	1			
LE	1220	3			
TOTAL		**17**			

NOTE: Students aquiring an Associate of Science degree may simultaneously earn a Certificate of Completion in Machining Technology y selecting the above courses to fulfill the vocational/technical component of their AS degree.

ENGINEERING DRAFTING

SEE **ENGINEERING DESIGN /DRAFTING TECHNOLOGY**.
> > >

ENGLISH

Estimated cost of books and supplies per semester $100-150

General Information (801) 957-4073
Administration Building 210 (801) 957-4338
Academic Advising (801) 957-4978
www.slcc.edu/oe

Professor: Alma McKertich

Associate Professors: Clyda Rae Blackburn, Lisa Bickmore, Louise Bown, Mary Jayne Davis, Allison Fernley, Gary Howard, Liz Montague, Tiffany Rousculp, Stephen Ruffus, Elisa Stone.

Assistant Professors: Sue Briggs, Nathan Cole, Diedre Kindsfather, Jamie McBeth-Smith

Instructors: Ron Christiansen, Stephanie Dowdle, Christine Harrell, Melissa Helquist, Jason Pickavance

THE PROGRAM

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 are taught as intelletual 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.

Most college degree and certificate programs require a two-course sequence of ENGL 1010, followed by ENGL 2010 or ENGL 2100.

ENGL 1050, ENGL 1060, ENGL 2600, ENGL 2710, and ENGL 2740, will fulfill the general education humanities requirement. ENGL 1050 will fulfill the General Education Humanities OR Interdisciplinary requirement.

ENGL 2810 and ENGL 2820 may fulfill the diversity requirement at many institutions.

The English department also provides electives such as ENGL 2250, ENGL 2260 and ENGL 2270 for students seeking to explore various kinds of writing.

PREREQUISITES

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 prere-quisite classes. Prerequisites must be completed with a minimum grade of C. Students also must receive a minimum grade of C (not C-) in all classes counted toward the degree.

THE WRITING CENTER

The Writing Center 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 Writing Center. Advisors are able to work with all in-class writing and other writing projects such as scholarship

applications, memos and reports. In the Writing Center, advisors assist in analyzing the writing situation or project, developing a writing plan, undoing writing "blocks" and providing feedback to the writer. Computers are available, as is assistance with word processing.

In the Writing Center, one-on-one or small group consultations are available and writers are encouraged to meet with an advisor at any stage in their writing project (from brainstorming to final editing). The Writing Center 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 Redwood Road Campus, the Writing Center is located at AD 218-230. At South City Campus, writing tutors are available in the Learning Center, N308. At Sandy Center, tutors are available in Annex 172. At Jordan Campus, tutors are available in room 102.

The SLCC Community Writing Center, located at 511 W. 200 South, Salt Lake City, provides writing assistance and short term workshops to all Salt Lake area adults. For information, call (801) 957-4992.

ELECTIVE OPTIONS

With prior approval, students working in a job related to the Humanities may earn up to four hours of general elective credit. See ENGL 2000 for more details.

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.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF ARTS TRANSFER DEGREE*

(minimum 63 credit hours)

GENERAL EDUCATION REQUIREMENTS (34 CREDITS)

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
	OR				
ENGL	2100	Technical Wrtng	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1030	Quant Reasoning	3	A	MATH 0970 or CPT
	OR				
MATH	1040	Intro to Statistics	3	A	MATH 1010 or CPT
AMERICAN INSTITUTIONS					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	American Civ	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS					
HLA			1	A	none
STUDENT CHOICE (2-3 CREDITS)					
COMPUTER LITERACY					
CS	1020	Bsc Computer Cncpts	3	A	none

(Successfully complete the class or challenge test.)

DISTRIBUTION AREAS

Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
*Humanities	3	A	none
Interdisciplinary	3	A	none
Social Science	3	A	none
Physical Science	3	A	none

See pp. 22-23 for options in each of these categories.

NOTE: The following courses will fulfill the General Education Distribution Area requirement in Humanities: ENGL 1050, ENGL 1060, ENGL 2600, ENGL 2710, and ENGL 2740. If one of these courses is selected to fill the General Education Humanities requirement, it may also count toward the 17 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.

MAJOR COURSE REQUIREMENTS

(11 CREDITS REQUIRED)

COURSE			CR	SEM	PREREQUISITES
ENGL	2500	Crit Intro Literature	3	A	none
ENGL	2700	Critical Theory	3	Sp	ENGL 2500
LANG	1020	(any language)	5	A	Language 1010 or approval

*ENGLISH ELECTIVES (6 CREDITS)

ENGL	1050	Reading Cont Cl	3	F, Sp	none
ENGL	1060	Technology St	3	TBA	none
ENGL	1200	Intro Linguistics	3	TBA	ENGL 1010
ENGL	1900	Special Studies	1-3	A	ENGL 1010
ENGL	2000	CO-OP	2-4	A	instructor's approval
ENGL	2030	Discourse St	3	TBA	ENGL 1010
ENGL	2250	Imaginative Writ	3	A	ENGL 1010
ENGL	2260	Writing Poetry	3	TBA	ENGL 2250
ENGL	2270	Writing Fiction	3	Sp	ENGL 2250
ENGL	2300	Int Shakespeare	3	F, Sp	ENGL 1010
ENGL	2610	Lit Trends in Am	3	TBA	ENGL 1010
ENGL	2620	Lit Trends in Brit	3	TBA	ENGL 1010
ENGL	2650	Uses of Poetry	3	TBA	ENGL 1010
ENGL	2710	Intro Folklore	3	F, Sp	none
ENGL	2720	Children's Liter	3	F, Sp	ENGL 1010
ENGL	2730	Contemp Scienc	3	TBA	ENGL 1010
ENGL	2740	Women's Studies	3	F, Sp	none
ENGL	2750	Lit Medicine/Psy	3	TBA	ENGL 1010
ENGL	2810	Native Amer Liter	3	TBA	ENGL 1010
ENGL	2820	Women Writers	3	TBA	ENGL 1010
HUMA	2130	Philosophy/Literatr	3	F, Sp	none

*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.

NON-ENGLISH ELECTIVES (13 CREDITS)

Complete 13 credits of any college course numbered 1000 or above.

SAMPLE SCHEDULE

FALL SEMESTER		
ENGL	1010	3
LANG	1020	5
NON-ENGL ELECTIVE		3
STUDENT CHOICE		2-3
HLA		1
TOTAL		**14-15**

2ND FALL SEMESTER	
ENGL ELECTIVE	3
DISTRIBUTION	9
NON-ENGL ELECTIVES	6
TOTAL	**18**

SPRING SEMESTER		
ENGL	2010	3
ENGL	2600	3
MATH	1030	3
	OR	
MATH	1040	3
AMER INSTITUTIONS		3
DISTRIBUTION		3
TOTAL		**15**

2ND SPRING SEMESTER		
ENGL	2700	3
ENGL ELECTIVE		3
DISTRIBUTION		6
NON-ENGL ELECTIVE		4
TOTAL		**16**

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

(minimum 63 credit hours)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
	OR				
ENGL	2100	Technical Wrtng	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1030	Quant Reasoning	3	A	MATH 1010 or CPT
	OR				
MATH	1040	Intro to Statistics	3	A	MATH 1010 or CPT
AMERICAN INSTITUTIONS					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	American Civ	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS

HLA			1	A	none

STUDENT CHOICE (2-3 CREDITS)

COMPUTER LITERACY

DISTRIBUTION AREAS

Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
*Humanities	3	A	none
Interdisciplinary	3	A	none
Social Science	3	A	none
Physical Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

(6 CREDITS REQUIRED)

COURSE			CR	SEM	PREREQUISITES
ENGL	2600	Crit Intro Literature	3	A	none
ENGL	2700	Critical Theory	3	Sp	ENGL 2600

NOTE: The following courses will fulfill the General Education Distribution Area requirement in Humanities: ENGL 1050, ENGL 1060, ENGL 2600, ENGL 2710, and ENGL 2740. If one of these courses is selected to fill the General Education Humanities requirement, it may also count toward the 17 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.

*ENGLISH ELECTIVES (6 CREDITS)

ENGL	1050	Reading Cont Cul	3	F, Sp	none
ENGL	1060	Technology St	3	TBA	none
ENGL	1200	Intro Linguistics	3	TBA	ENGL 1010
ENGL	1900	Special Studies	1-3	A	ENGL 1010
ENGL	2000	CO-OP	2-4	A	instructor's approval
ENGL	2030	Discourse St	3	TBA	ENGL 1010
ENGL	2250	Imaginative Writ	3	A	ENGL 1010
ENGL	2260	Writing Poetry	3	TBA	ENGL 2250
ENGL	2270	Writing Fiction	3	Sp	ENGL 2250
ENGL	2300	Int Shakespeare	3	F, Sp	ENGL 1010
ENGL	2610	Lit Trends in Am	3	TBA	ENGL 1010
ENGL	2620	Lit Trends in Brit	3	TBA	ENGL 1010
ENGL	2650	Uses of Poetry	3	TBA	ENGL 1010
ENGL	2710	Intro Folklore	3	F, Sp	none
ENGL	2720	Children's Liter	3	F, Sp	ENGL 1010
ENGL	2730	Contemp Scienc	3	TBA	ENGL 1010
ENGL	2740	Women's Studies	3	F, Sp	none
ENGL	2750	Lit Medicine/Psy	3	TBA	ENGL 1010
ENGL	2810	Native Amer Liter	3	TBA	ENGL 1010
ENGL	2820	Women Writers	3	TBA	ENGL 1010
HUMA	2130	Philosophy/Literatr	3	F, Sp	none

*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.

NON-ENGLISH ELECTIVES (18 CREDITS)

Complete 18 credits of any college course numbered 1000 or above.

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ENGL	1010	3	ENGL	2010	3
NON-ENGL ELECTIVE		9	ENGL	2600	3
STUDENT CHOICE		2-3	MATH	1030	3
HLA		1		**OR**	
TOTAL		**15-16**	MATH	1040	3
			AMER INSTITUTIONS		3
			DISTRIBUTION		3
			TOTAL		**15**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
ENGL ELECTIVE		3	ENGL	2700	3
NON-ENGL ELECTIVE		6	ENGL ELELCTIVE		3
DISTRIBUTION		9	NON-ENGL ELECTIVE		3
TOTAL		**18**	DISTRIBUTION		6
			TOTAL		**15**

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

DEPARTMENTAL OFFERINGS

COURSE			CR	SEM	PREREQUISITES
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	1050	Reading Cont Cl	3	F, Sp	none
ENGL	1060	Technology St	3	TBA	none
ENGL	1200	Intro Linguistics	3	TBA	ENGL 1010
ENGL	1900	Special Studies	1-3	A	ENGL 1010
ENGL	2000	CO-OP	2-4	A	instructor's approval
ENGL	2010	Intermed Writing	3	A	ENGL 1010
ENGL	2030	Discourse St	3	TBA	ENGL 1010
ENGL	2100	Technical Wrtng	3	A	ENGL 1010
ENGL	2250	Imaginative Writ	3	A	ENGL 1010
ENGL	2260	Writing Poetry	3	TBA	ENGL 2250
ENGL	2270	Writing Fiction	3	Sp	ENGL 2250
ENGL	2300	Int Shakespeare	3	F, Sp	ENGL 1010
ENGL	2600	Crit Intro Literature	3	A	none
ENGL	2610	Lit Trends in Am	3	TBA	ENGL 1010
ENGL	2620	Lit Trends in Brit	3	TBA	ENGL 1010
ENGL	2650	Uses of Poetry	3	TBA	ENGL 1010
ENGL	2700	Critical Theory	3	Sp	ENGL 2600
ENGL	2710	Intro Folklore	3	F, Sp	none
ENGL	2720	Children's Liter	3	F, Sp	ENGL 1010
ENGL	2730	Contemp Scienc	3	TBA	ENGL 1010
ENGL	2740	Women's Studies	3	F	none
ENGL	2750	Lit Medicine/Psy	3	TBA	ENGL 1010
ENGL	2810	Native Amer Liter	3	TBA	ENGL 1010
ENGL	2820	Women Writers	3	TBA	ENGL 1010

ENGLISH-AS-A-SECOND LANGUAGE

SEE ALSO **SKILLS CENTER**. ▶ ▶ ▶

Estimated cost of tools and supplies per semester $75

General Information (801) 957-4073
South City Campus N103 - (801) 957-4327 or
Technology Building Learning Center 417G (801) 957-3245
Associate Professors: George Ellington, Dean Huber,
Katherine McIntyre, Mary Mellott, Cheryl Shurtleff
Assistant Professor: Robyn Cruff

PROGRAM
This program offers basic through advanced level education in English Language and the use of English for academic, professional and general purposes, including the following goals:

1. An analysis of English to practice classroom skills, improve understanding of written and spoken English and communicate more effectively when speaking or writing English;
2. Practice listening comprehension skills so that students can successfully understand an English speaking teacher in a technical/academic class;
3. Development of English speaking skills so the students can participate in classroom discussions, ask questions when they need to and successfully communicate what they know;
4. Development of college-level textbook reading skills; and
5. Development of basic writing skills in preparation for college-level composition classes.

PLACEMENT
All students are required to take the College's ESL Placement Battery to be placed in an appropriate level.

PREREQUISITES
It is the student's responsibility to examine each course description for details or prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken.

NOTE: Students without prerequisite class skills are at a disadvantage and may be required to repeat the course after fulfilling prerequisites.

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.

COURSES

KESL 0110 Beginning Grammar - Basic parts of speech and verb forms.

KESL 0120 Beginning Read/Write/Speak

KESL 0210 Intermediate Grammar - Parts of speech, sentence word order, simple verb tenses.

KESL 0220 Intermediate Read/Write/Speak - Vocabulary building, reading comprehension, writing and speaking skills.

KESL 0310 Advanced Grammar - Verb tenses, verb forms, complex sentence structures

KESL 0320 Advanced Read/Write/Speak - Different reading styles and points of view. Vocabulary building, essay writing, listening activities and oral presentations.

ESL 1010 College Listening and Speaking - Note taking from college lectures. Student presentations.

ESL 1020 College Reading and Writing - Comfort and fluency in writing, academic essays, college book reading, vocabulary building.

ESL 1030-1090 English Language Workshops - American culture and citizenship, grammar, accent reduction, TOEFL, Business English for ESL

ENGLISH-AS-A-SECOND-LANGUAGE

LEVEL 1: BEGINNING ESL

COURSE			CR	SEM	PREREQUISITES
KESL	0110	BeginningGrammar	0	A	CELSA 0-20
KESL	0120	Bgn Rd/Wrte/Spk	0	A	CELSA 0-20
KESL	0450	Language Lab	0	A	CELSA 0-20

LEVEL 2: INTERMEDIATE ESL

COURSE			CR	SEM	PREREQUISITES
KESL	0210	Interm Grammar	0	A	CELSA 21-39
KESL	0220	Intm Rd/Wrte/Spk	0	A	CELSA 21-39
KESL	0250	Intrm Lstn/Note-Tkng	0	A	CELSA 21-39
KESL	0450	Language Lab	0	A	CELSA 21-39

LEVEL 3: ADVANCED ESL

COURSE			CR	SEM	PREREQUISITES
KESL	0310	Adv Grammar	0	A	CELSA 40-66
KESL	0320	Adv Rd/Wrte/Spk	0	A	CELSA 40-66
KESL	0350	Adv Lstn/Note-Tkng	0	A	CESLA 40-66
KESL	0450	Language Lab	0	A	CELSA 40-66

LEVEL 3(C): ADVANCED PRE-COLLEGE

COURSE			CR	SEM	PREREQUISITES
KESL	0720	Reading/Writing	0	A	CELSA 58-66
KESL	0730	Listening/Speaking	0	A	CELSA 58-66
KESL	0740	Computer Skills	0	A	CELSA 58-66
KESL	0750	Pre-College Workshop	0	A	CELSA 58-66

LEVEL 4: COLLEGE ESL

COURSE			CR	SEM	PREREQUISITES
ESL	1010	College Listen/Spk	7	A	LOEP>72,/TOEFL 133-172/>450
ESL	1020	College Read/Write	8	A	LOEP>72,/TOEFL 133-172/>450
ESL	1030	ESL Conversation	3	A	LOEP>72,/TOEFL 133-172/>450
ESL	1040	ESL Grammar	3	F	LOEP>72,/TOEFL 133-172/>450
ESL	1050	ESL Vocabulary	3	F	LOEP>72,/TOEFL 133-172/>450
ESL	1060	ESL Pronunciation	3	F	LOEP>72,/TOEFL 133-172/>450
ESL	1070	TOEFL Preparation	3	Sp	none
ESL	1080	Bus English for ESL	3	Sp	LOEP>72,/TOEFL 133-172/>450
ESL	1090	Am Culture/Citizen	3	Sp	LOEP>72,/TOEFL 133-172/>450

ENVIRONMENTAL TECHNOLOGY

Estimated cost of books and supplies for program $1,600

General Information (801) 957-4073
Academic Advisor CT 186 (801) 957-4550

Associate Professor: Deanna Anderson
Assistant Professor: Mark Dumas

THE PROGRAM

The environmental technology program provides students with the necessary academic knowledge and hands-on skills to work in the environmental, health and safety field or continue on to a four-year degree program in one of many environmental related fields.

In the environmental technology program, students learn the basics through one-on-one contact with practicing professionals. Small classes and hands-on training allow students to solidify their knowledge and skills. Courses include real-world applications in:

- FIELD SAMPLING
- COMPUTER APPLICATION
- HANDS-ON SCENARIOS
- FIELDWORK INSTRUCTION

The learning experience with this program incorporates the use of the Internet, lectures from guest professionals, and strengthening of competencies demanded by the industry. Our low student-to-teacher ratio allows for one-on-one instruction. The networking and data search ensures that students graduate at the cutting edge of the environmental technology industry.

Upon completion of the Environmental Technology program, students will have completed requirements and received certificates for:

- Occupational Safety and Health Administration 40 hour hazardous waste Operations
- Occupational Safety and Health Administration 24 hour Emergency Spill Response
- Department of Transportation Hazardous Materials Training (HM126F)

Students will also be prepared and qualified to take the Utah State Sampling Test for Underground Storage Tanks.

There are two Environmental Technology program offerings. The one-year certificate of completion (32 credit hours) gives students an employable exit point to begin working in entry-level positions. However, it is strongly recommended that students continue their studies by completing the requirements for an Associate of Science degree (63 credit hours) allowing students to apply for more advanced positions in the industry as well as applying to and transferring to a Bachelor's Degree program.

The AS degree provides the first two years of a Bachelor of Science degree in Environmental Resource Management from California State University at Bakersfield, a distance education program which is completed mostly over the Internet. It also meets requirements for the Bachelor of Science degree in Technology Management at Utah Valley State College.

PREPARATION NOTE

Students entering this program should have a 10th grade proficiency in reading and writing skills and one year of high school algebra. Students who need to take preparatory classes to meet the requirements of the first semester should plan on extra time to complete the program.

PREREQUISITES

It is the student's responsibility to examine each course description for details of the prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken.

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 INFORMATION

Students planning to transfer to four-year institutions to study environmental, health and safety fields should meet with their academic advisor to select general education, required and elective courses that will satisfy institution-specific requirements. Working with the advisor, students may be able to substitute a SLCC required course for coursework preferred by the four-year school.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

(minimum 64-65 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2100	Technical Wrtng	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1040	Statistics	3	A	MATH 1010
	OR				
MATH	1050	College Algebra	4	A	MATH 1010

(Students planning to transfer to UVSC should take MATH 1050.)

AMERICAN INSTITUTIONS (3 CREDITS)					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS					
HLA	____		1	A	none
STUDENT CHOICE (2-3 CREDITS)					
COMPUTER COMPETENCY					
DISTRIBUTION AREAS					

Complete the following distribution (PS and BS) courses:

BIOL	1110	Int Hu Ana Phy	3	A	none
CHEM	1010	Intro to Chem	3	A	none

Choose an additional three credit hours from each of the following distribution areas:

Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ENVT	1050	Intro Env Tech	3	Sp	none
ENVT	1060	IntroOccSfty/Hlth	3	F	none
ENVT	1100	Wst Stm Gn/Rd	3	Sp	CHEM 1010
ENVT	1300	Basics of Toxiclgy	3	F	BIOL 1110

ENVT	2100	Envmntl Cmplnc I	3	F	ENVT 1050, ENVT 1100
ENVT	2150	EnvmntlCmplnII	3	Sp	ENVT 1050, ENVT 1100
ENVT	2400	HazWasteEmRsp	2	Sp	ENVT 1300, w/ENVT 2410
ENVT	2410	HazWstEmRspLb (this is a graded lab)	1	Sp	ENVT 1300, w/ENVT 2400
ENVT	2800	Sample & Analysis	2	Sp	CHEM 1010 or ENVT 1050, w/ENVT 2810
ENVT	2810	Sample/AnalysisLb (this is a graded lab)	1	Sp	CHEM 1010 ENVT 1050, w/ENVT 2800
____	____	Electives	6		

SUGGESTED ELECTIVE CLASSES (6 CREDITS)

ENGL	2100	Technical Wrtg	3	A	ENGL 1010
ENVT	1250	Special Studies	1-3	A	none
ENVT	1920	Shrt Course Wrkshps	1-3	A	none
ENVT	2000	CO-OP	2-4	F, Sp	instructor's approval
GEOL	1010	Intro to Geology	3	A	none
HLTH	1500	Lifetime Fitness	3	A	none
LE	1220	Human Relations	3	A	none
MGT	1100	SM Bsness Mgt	3	A	none
MGT	1600	Mgt Essentials	3	A	none
PLS	1140	Environ Law	3	Sp	PLS 1010

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
CHEM	1010	3	ENGL	1010	3
ENVT	1060	3	ENVT	1050	3
BIOL	1110	3	ENVT	1100	3
HLA		1	MATH	1040	3
ELECTIVE		3		OR	
STUDENT CHOICE		2-3	MATH	1050	4
TOTAL		**15-16**	DISTRIBUTION		3
			TOTAL		**15-16**
2ND FALL SEMESTER			**2ND SPRING SEMESTER**		
ENGL	2100	3	ENVT	2150	3
ENVT	1300	3	ENVT	2400	2
ENVT	2100	3	ENVT	2410	1
DISTRIBUTION		3	ENVT	2800	2
ELECTIVE		3	ENVT	2810	1
TOTAL		**15**	AMER INSTITUTIONS		3
			DISTRIBUTION		6
			TOTAL		**18**

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

CERTIFICATE OF COMPLETION/ ENVIRONMENTAL TECHNOLOGY

(minimum 37 hours required)

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
COM	1010	Elem Effct Com	3	A	none
ENVT	1050	Intro Env Tech	3	Sp	none
ENVT	1060	Intr OccSfty/Hlth	3	F	none
ENVT	1100	Wst Stm Gn/Rd	3	Sp	CHEM 1010
ENVT	1300	Basics of Toxiclgy	3	Sp	BIOL 1110
ENVT	2100	EnvmntlCmplncI	3	F	ENVT 1050, ENVT 1100
ENVT	2150	Envmntl Cmpln II	3	Sp	ENVT 1050,ENVT 1100
ENVT	2400	Haz Waste Em Rsp	3	Sp	ENVT 1300
ENVT	2410	HazWstEmRspLb (this is a graded lab)	1	Sp	ENVT 1300, w/ENVT 2400
ENVT	2800	Sample & Analysis	2	Sp	CHEM 1010, ENVT 1050, w/ENVT 2810
ENVT	2810	Sample/AnalysisLb (this is a graded lab)	1	Sp	CHEM 1010 ENVT 1050, w/ENVT 2800
ENGL	1010	Intro to Writing	3	A	pre-test
MATH	1040	Statistics	3	A	MATH 1010
____	____	Elective	3		

SUGGESTED ELECTIVE CLASSES (3 CREDITS)

ENGL	2100	Technical Wrtg	3	A	ENGL 1010
ENVT	1250	Special Studies	1-3	A	none
ENVT	1920	Shrt Course Wrkshps	1-3	A	none
ENVT	2000	CO-OP	2-4	F, Sp	instructor's approval
GEOL	1010	Intro to Geology	3	A	none
HLTH	1500	Lifetime Fitness	3	A	none
LE	1220	Human Relations	3	A	none
MGT	1100	SM Bsness Mgt	3	A	none
MGT	1600	Mgt Essentials	3	A	none
PLS	1140	Environ Law	3	Sp	PLS 1010

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
COM	1010	3	ENGL	1010	3
ENVT	1060	3	ENVT	1050	3
ENVT	1300	3	ENVT	1100	3
ENVT	2100	3	ENVT	2150	3
MATH	1040	3	ENVT	2400	3
ELECTIVE		3	ENVT	2410	1
TOTAL		**18**	ENVT	2800	2
			ENVT	2810	1
			TOTAL		**19**

DEPARTMENTAL OFFERINGS

COURSE			CR	SEM	PREREQUISITES
ENVT	1010	Race to Save Planet	3	A	none
ENVT	1040	Workplace Safety	2	F, Sp	none
ENVT	2120	Haz Mat Transport	1	Sp	none
ENVT	2130	Haz Waste Mngmt	2	Sp	ENVT 2120 or DOT HM126 Certification

ETHNIC STUDIES

SEE **SOCIAL WORK**. > > >

FAMILY AND HUMAN STUDIES

Estimated cost of books and supplies per course $75

General Information (801) 957-4073
Eccles ECD Lab School (801) 957-4189
Academic Advisor (801) 957-6066

Professor: Dale D. Smith
Assistant Professor: Janet Brohm
Instructor: Beth Rodriguez

THE PROGRAM

The Family and Human Studies program offers four program options: a child development associate (CDA) credential track; a one-year certificate in FHS; an AAS degree in family and human studies and an AS degree. Entry into the programs requires evidence of high school graduation, a GED, or concurrent enrollment.

CDA (CHILD DEVELOPMENT ASSOCIATE CREDENTIAL)

The CDA track fulfills the formal education requirement for the nationally recognized CDA credential. Utah accepts the child development associate credential as meeting the minimum qualifications for a child care center director. Coursework completed in pursuit of the CDA option can be applied toward the one-year Certificate of Completion, the AS and AAS degrees. Consult with a departmental advisor to find out more about this option.

CERTIFICATE OF COMPLETION

The one-year Certificate of Completion is for students who want intensive instruction in early childhood development, but are not seek-

ing a two-year degree. The one-year 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 one-year Certificaten of Completion can be applied toward the AS and AAS degrees.

ASSOCIATE OF APPLIED SCIENCE DEGREE

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.

ASSOCIATE OF SCIENCE DEGREE

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 makes 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 an advisor before registering for elective classes.

EVENING CLASSES

FHS courses for the options listed above are also offered during the evening.

NOTE: Many of the FHS classes require a lab in which the student works with preschool children. Evening students will be required to attend labs at the Eccles Lab School, which is open from 6:45 a.m. - 5 p.m.

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 advisor for more departmental information.

GENERAL INFORMATION

Students in the FHS program must not have been convicted of any crimes against children; should 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.

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.

PREREQUISITES

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied with a C or better before the designated class may be taken.

LABS

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 Food Handler's Permit within two weeks of starting a lab course.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

(minimum 63 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
QUANITITATIVE LITERACY					
MATH	1030	Quant Reas	3	A	MATH 1010
AMERICAN INSTITUTIONS (3 CREDITS)					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS

HLA	____		1	A	none

STUDENT CHOICE (2-3 CREDITS)

COMPUTER LITERACY

DISTRIBUTION AREAS (18 CREDITS)

Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS (22 CREDITS)

COURSE			CR	SEM	PREREQUISITES
FHS	1500	Human Develop	3	A	none
FHS	2500	Child Develop	3	Sp	FHS 1500, FHS 2600, FHS 2610, w/FHS 0010
FHS	2600	Intro to ECE	3	F, Sp	w/FHS 0010
FHS	2610	Child Guidance	3	F, Sp	w/FHS 0010
FHS	2620	Creative Learnin	3	F	FHS 1500, FHS 2600, FHS 2610, w/FHS 0010
FHS	2800	Practicum Tch	5	F, Sp	FHS 2500, FHS 2620, w/FHS 2820 approval
FHS	2820	Teaching Sem	2	F, Sp	FHS 2500, FHS 2620, w/FHS 2800 approval

NOTE: FHS 0010 is a two hour per week lab.

ELECTIVES (8 CREDITS)

EDU	2600	Intro Special Ed	3	F, Sp	none
FHS	1320	Hlth Sfty Nut	2	F	none
*FHS	1900	Spec Topics	1-2	F, Sp	approval
*FHS	2000	CO-OP	1-2	F, Sp	approval
FHS	2020	SpecStudies CDA Cmp	3	A	CDA Credential
FHS	2300	Administration	2	Sp	none
FHS	2330	Mth Scnce Chld	2	F	FHS 2600
FHS	2350	Art Music Chld	2	F	FHS 2600
FHS	2400	Marage Fam Rel	3	A	none
FHS	2550	Infnt Grwth Dev	2	Sp	FHS 1500
FHS	2570	Grwth Dev 6-12	2	Sp	FHS 1500
FHS	2630	Media for Chld	2	Sp	FHS 2600
FHS	2640	Wrkng w/Parents	2	F	none

* A total of one credit from either FHS 1900 or FHS 2000 can be applied toward graduation.

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ENGL	1010	3	ENGL	2010	3
FHS	1500	3	FHS	2500	3
FHS	2600	3	FHS	2610	3
HLA		1	DISTRIBUTION		6
AMER INSTITUTIONS		3	**TOTAL**		**15**
STUDENT CHOICE		2-3			
TOTAL		**15-16**	**2ND SPRING SEMESTER**		
			FHS	2800	5
2ND FALL SEMESTER			FHS	2820	2
FHS	2620	3	DISTRIBUTION		6
MATH	1030	3	ELECTIVE		2
DISTRIBUTION		6	**TOTAL**		**15**
ELECTIVE		6			
TOTAL		**18**			

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

ASSOCIATE OF APPLIED SCIENCE DEGREE IN FAMILY AND HUMAN STUDIES

(minimum 64 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
FIN	1380	Financial Math	3	A	MATH 0970 or CPT
COMMUNICATION					
COM	1010	Elem Effect Com	3	A	none
HUMAN RELATIONS					
FHS	2640	Wrkng w/Parents	2	F	none
DISTRIBUTION AREAS					
Choose three to six credit hours from two of the following distribution areas:					
		Biological Science	3	A	none
		Fine Arts	3	A	none
		Humanities	3	A	none
		Interdisciplinary	3	A	none
		Physical Science	3	A	none
		Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS (31 CREDITS)

COURSE			CR	SEM	PREREQUISITES
BUS	1050	Bus & Society	3	A	none
CIS	1020	Bsc Comptr Con	3	A	none
FHS	1500	Human Develop	3	A	none
FHS	2500	Child Develop	3	Sp	FHS 1500, FHS 2600, FHS 2610, w/FHS 0010
FHS	2600	Intro to ECE	3	F, Sp	w/FHS 0010
FHS	2610	Child Guidance	3	F, Sp	w/FHS 0010
FHS	2620	Creative Learnin	3	F	FHS 1500, FHS 2600, FHS 2610, w/FHS 0010
FHS	2800	Prctcum Teach	5	F, Sp	FHS 2500, FHS 2620, w/FHS 2820, instructor's approval
FHS	2820	Teaching Sem	2	F, Sp	FHS 2500, FHS 2620, w/FHS 2800, instructor's approval
MGT	2070	Hu Res Mgmt	3	F, Sp	BUS 1050

NOTE: FHS 0010 is a two hour per week lab.

ELECTIVES (20 CREDITS)

EDU	2600	Intro Special Ed	3	F, Sp	none
FHS	1320	Hlth Sfty Nut	2	F	none
*FHS	1900	Spec Topics	1-2	F, Sp	instructor's approval
*FHS	2000	CO-OP	1-2	F, Sp	instructor's approval
FHS	2020	SpecStudies CDA Cmp	3	A	CDA Credential
FHS	2300	Administration	2	Sp	none
FHS	2330	Mth Scnce Chld	2	F	FHS 2600
FHS	2350	Art Music Chld	2	F	FHS 2600
FHS	2400	Marage Fam Rel	3	A	none
FHS	2550	Infnt Grwth Dev	2	Sp	FHS 1500
FHS	2570	Grwth Dev 6-12	2	Sp	FHS 1500
FHS	2630	Media for Chld	2	Sp	FHS 2600

* A total of one credit from either FHS 1900 or FHS 2000 can be applied toward graduation.

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
BUS	1050	3	COM	1010	3
ENGL	1010	3	FHS	2500	3
FHS	1500	3	FHS	2610	3
FHS	2600	3	FIN	1380	3
DISTRIBUTION		3	MGT	2070	3
TOTAL		**15**	ELECTIVES		4
			TOTAL		**19**
2ND FALL SEMESTER			**2ND SPRING SEMESTER**		
CIS	1020	3	FHS	2800	5
FHS	2620	3	FHS	2820	2
FHS	2640	2	ELECTIVES		8
ELECTIVES		8	**TOTAL**		**15**
TOTAL		**16**			

CERTIFICATE OF COMPLETION/ FAMILY AND HUMAN STUDIES

(minimum 36 hours required)

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
REQUIRED COURSES					
COM	1010	Elem Effect Com	3	A	none
	OR				
COM	1200	Prinpls Public Spkg	3	A	none
MATH	1030	Quant Reasoning	3	A	MATH 1010
	OR				
MATH	1040	Statistics	3	A	MATH 1010
	OR				
MATH	1050	College Algebra	4	A	MATH 1010
	OR				
FIN	1380	Financial Math	3	A	MATH 0970
FHS	0010	Supervised Lab Exp	0	A	none
FHS	1500	Human Develop	3	A	none
*FHS	2500	Child Develop	3	Sp	FHS 1500, FHS 2600, FHS 2610, w/FHS 0010
*FHS	2600	Intro to ECE	3	F, Sp	w/FHS 0010
*FHS	2610	Child Guidance	3	F, Sp	w/FHS 0010
*FHS	2620	Creative Learnin	3	F	FHS 1500, FHS 2600, FHS 2610, w/FHS 0010
FHS	2640	Wrking w/Parents	2	F	none
FHS	2800	Prctcum Teach	5	F, Sp	FHS 2500, FHS 2620, w/FHS 2820, instructor's approval
FHS	2820	Teaching Sem	2	F, Sp	FHS 2500, FHS 2620, w/FHS 2800, instructor's approval
____	____	Electives	5		

*A Lab at the Eccles Lab School must be taken with the following courses: FHS 2500, FHS 2600, FHS 2610, FHS 2620.

NOTE: FHS 0010 is a two hour per week lab.

ELECTIVES (5 CREDITS)

EDU	2600	Intro Spec Ed	3	F, Sp	none
FHS	1320	Hlth Sfty Nut	2	F	none

*FHS	1900	Spec Topics	1-2	F, Sp	instructor's approval
*FHS	2000	CO-OP	1-2	F, Sp	instructor's approval
FHS	2300	Administration	2	Sp	none
FHS	2330	Mth Scnce Chld	2	F	FHS 2600
FHS	2350	Art Music Chld	2	F	FHS 2600
FHS	2400	Marage Fam Rel	3	A	none
FHS	2550	Infnt Grwth Dev	2	Sp	FHS 1500
FHS	2570	Grwth Dev 6-12	2	Sp	FHS 1500
FHS	2630	Media for Chld	2	Sp	FHS 2600

* A total of one credit from either FHS 1900 or FHS 2000 can be applied toward graduation.

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
FHS	0010	0	FHS	2500	3
FHS	1500	3	FHS	2800	5
FHS	2600	3	FHS	2820	2
FHS	2610	3	ELECTIVES		5
FHS	2620	3	MATH	1030	3
FHS	2640	2		**OR**	
COM	1010	3	MATH	1040	3
	OR			**OR**	
COM	1200	3	MATH	1050	4
TOTAL		**17**	**TOTAL**		**18-19**

CHILD DEVELOPMENT ASSOCIATE CREDENTIAL

(Minimum 10 Credits)

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:

2460 16TH STREET, NW
WASHINGTON, D.C. 20009-3575
OR CALL TOLL FREE 1-800-424-4310

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.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
FHS	1500	Human Develop	3	A	none
FHS	1900	Spec Topics	1-2	F, Sp	approval
FHS	2600	Intro to ECE	3	F, Sp	w/FHS 0010
FHS	2610	Child Guidance	3	F, Sp	w/FHS 0010

FASHION INSTITUTE

SEE **CONTINUING EDUCATION**. > > >

FIELD MACHINIST TECHNOLOGY APPRENTICESHIP

SEE **APPRENTICESHIPS**. > > >

FILM

SEE **FINE ARTS;** ALSO SEE **FILM PRODUCTION TECHNICIAN**. > > >

FILM PRODUCTION TECHNICIAN

NOTE: This proposed program is pending approval of the Board of Regents. Financial aid is availale only to those programs approved by the oard of Regents.

Estimated cost of books and supplies per semester is comparable to other AAS programs. Classes requiring registration for a lab may require a small replacement and disposable fee to cover the cost of the student's use of facilties and supplies.

General Information: (801) 957- 4130

THE PROGRAM

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.

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.

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.

CLASS AVAILABILITY

The semesters in which courses are taught are listed below. Students should check the current class schedule for availability of courses at all sites for day/evening/weekend availability and for modification caused by varying enrollments.

ASSOCIATE OF APPLIED SCIENCE DEGREE IN FILM PRODUCTION TECHNICIAN

minimum 63-66 credits)

GENERAL EDUCATION REQUIREMENTS
(15-16 CREDITS)

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	none
QUANTITATIVE LITERACY					
MATH	1010	Inter Algebra	4	A	MATH 970 or CPT score

COMMUNICATION

COM	1010 Elem Effct Com	3	A	none

HUMAN RELATIONS 2-3

DISTRIBUTION AREAS

Choose an additional three credits from one of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ART	1310	Basic Photography	4	A	none
COM	2500	Elem/Iss Dig Med	4	A	none
FLM	1030	Intro to Film Tech	4	A	none
FLM	1040	Basic Production	2	F	w/FLM 1041
FLM	1041	Basic Prod. Lab	2	F	w/ FLM 1040
FLM	1060	CameraTechnology	3	Sp	FLM 1040, w/ FLM 1061
FLM	1061	Camera Techn Lab	2	Sp	FLM 1041, w/ FLM 1060
FLM	1800	Digital Media Essent	4	A	none
FLM	2010	Film Dir.for Techs	2	Sp	FLM 1040, FLM 1060, w/FLM 2011
FLM	2011	FilmDir.forTechs L	2	Sp	w/ FLM 2010
FLM	2030	Doc/Ind Film Prod.	2	F	none
FLM	2040	Post-Production	2	F	FLM 1060, w/ FLM 2041
FLM	2041	Post-Production L	2	F	FLM 1061, w/ FLM 2040
FLM	2060	Motion Pict Sound	3	Sp	w/FLM 2061
FLM	2061	Mo Pict Sound Lab	2	Sp	w/FLM 2060
FLM	2070	Bus Mgt & Admin	3	F	none
FLM	2700	AdvPhys Prod Lab	2	Sp	FLM 2030, w/ FLM 2701
FLM	2701	AdvPost-Prod Lab	2	Sp	w/ FLM 2700

ELECTIVES

FLM	1070	Film And Culture	4	TBA	none
FLM	1900	Independent Stud	1-2	TBA	Instructor's approval
FLM	2750	FlmProd Intrnshp	3	F, Sp	FLM 2030, FLM 2040
THE	1140	Mus Theatre Perf	3	TBA	THE 1120 or instructor's approval
THE	1160	Techl Theatre I Lab	3	TBA	w/THE 1180
THE	1180	Stagecraft	3	TBA	w/THE 1160
THE	1190	Production	3	F, Sp	none
THE	2250	Make-Up	3	TBA	none
THE	2350	Prosthetics	3	TBA	THE 2250
THE	2520	Creative Dramatics	2	TBA	none

SAMPLE SCHEDULE

FALL SEMESTER		
ENGL	1010	3
FLM	1030	4
FLM	1040	2
FLM	1041	2
ART	1310	4
TOTAL		**15**

SPRING SEMESTER		
MATH	1010	3
FLM	1060	3
FLM	1061	2
FLM	1800	4
FLM	2010	2
FLM	2011	2
TOTAL		**16**

2ND FALL SEMESTER		
COM	1010	3
FLM	2030	2
FLM	2040	2
FLM	2041	2
FLM	2070	3
DISTRIBUTION		3
COM ELECTIVE (FLM 2750 RECOM)		2-4
TOTAL		**17-19**

2ND SPRING SEMESTER		
COM	2500	4
FLM	2060	3
FLM	2061	2
FLM	2700	2
FLM	2701	2
HUMAN RELATIONS		2-3
TOTAL		**15-16**

FINANCE AND CREDIT

Estimated cost of books and supplies per semester $250 to $350

Business Building 105 (801) 957-4325
General Information (801) 957-4073
Academic Advisor BB 132A (801) 957-4323
Advising Appointments (801) 957-4300

Professors: A. Marlon Andrus, Joseph R. Howell, Jr., K. T. Magnusson, Terry Stokes.
Associate Professor: Dennis Wilson
Assistant Professor: Danny Martinez

THE PROGRAM

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.

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 Finance and Credit 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. This accreditation facilitates transfer of credits to four-year universities and colleges and recognition by employers.

PREPARATION NOTE

The classes designed to assist students in reaching the necessary skill level to enter the certificate and degree programs are MATH 0970 (Elementary Algebra) and CIS 1020 (Computer Applications). Any class in the preparatory skills may be waived if the student 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.

Students who wish to take the CIS 1020 Computer Essentials challenge exam are advised to review the self-scoring practice tests available on the Computer In-formation Systems department website. An 80% or higher is required on each section of the test. For further information on the $25 Challenge Exam contact the Assessment and Testing Centers. This exam is only available during semesters. Once the exam is passed a P is posted to the transcript and credit is awarded.

ELECTIVE OPTIONS

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.

CLASS AVAILABILITY

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.

ASSOCIATE OF APPLIED SCIENCE DEGREE IN FINANCE AND CREDIT

(minimum 65 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
FIN	1380	Financial Math	3	A	MATH 0970 or CPT
COMMUNICATION					
BUS	2010	Business Com	3	A	ENGL 1010
HUMAN RELATIONS					
MKTG	1960	Prof in Business	3	A	none

DISTRIBUTION AREAS

Choose an additional six credit hours from at least two of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

Interdisciplinary: except BUS 1050, FIN 1050 and MKTG 1050
ECON 1010 is recommended for Social Science.
See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ACCT	1220	Survey Fin Acct	3	A	none
ACCT	1230	Managerial Acct	3	A	ACCT 1110 or ACCT 1220, CIS 1020 or comp
BUS	1050	Bus & Society	3	A	none
CST	1010	Cust Serv Tech	2	A	none
ECON	2010	Microeconomics	3	A	none
ECON	2020	Macroeconomic	3	A	none
FIN	1050	Personal Financ	3	A	none
FIN	1210	Princ of Banking	2	F, Sp	none
FIN	2040	Financial Mngmt	3	Sp	ACCT 1230
FIN	2100	Intro to Invstmnt	3	F, Sp	FIN 1050
FIN	2200	Personal Fin Pln	3	Sp	FIN 1050
FIN	2210	Princ of Bus Credit	2	A	ACCT 1110 or ACCT 1220
FIN	2950	Exec Lectures I	1	F, Sp	none
MGT	2050	Legal Env Bus	3	A	BUS 1050
____	____	Fin/Non Fin Elec	10		

FINANCE AND CREDIT ELECTIVES (7 CREDITS MINIMUM)

*ECON	1010	Economics Soc	3	A	none
ECON	1400	Econ Hist Am Lb	3	Sp	HIST 1700 or ECON 1740
ECON	1740	Econ Hist of US	3	A	none
ECON	2100	Labor Economic	3	F, Sp	ECON 2010 and ECON 2020
ECON	2200	Money & Bankng	3	Sp	ECON 2010, ECON 2020
ECON	2400	Intl Econ/Fin	3	F	ECON 2010, ECON 2020
ECON	2990	Special Studies	1-3	TBA	instructor's approval
FIN	2000	CO-OP	1-3	A	instructor's approval
FIN	2150	Mutual Funds	3	Sp	FIN 1050 or instructor's approval
FIN	2220	Fin Stmt Analysis	2	F, Sp	ACCT 1120, or ACCT 1220 and FIN 2210 or concurrent
FIN	2240	Credit Law	2	F, Sp	FIN 2210
FIN	2960	Executive Lect II	1	F, Sp	FIN 2950
FIN	2990	Spec Std Financ	1-3	TBA	instructor's approval

*ECON 1010 can be taken for Social Science General Education OR Finance and Credit electives. Credit will apply to only one of the two areas.

NON-FINANCE AND CREDIT ELECTIVES (3 CREDITS MAXIMUM)

BUS	1910	PBL Sp Projects	2	TBA	none
BUS	2150	Calculus for Bus	3	A	MATH 1050 or MATH 1090
MKTG	1030	Intro to Marketing	3	A	none
MKTG	1050	Consumerism	3	A	none
MKTG	1480	Sales	3	Sp	none
MGT	2200	Business Stat I	3	A	FIN 1380 or MATH 1010, BUS 1050, CIS 1020 or competency
MGT	2400	Intl Trade & Bus	3	F	BUS 1050 or ECON 2020
*MGT	2950	Entrepreneur For	1	F	none
MKTG	1030	Intro to Mktg	3	A	none
MKTG	1050	Consumerism	3	A	none

*Cannot be taken if FIN 2960 taken as a Finance elective

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
BUS	1050	3	ACCT	1220	3
CST	1010	2	ECON	2010	3
FIN	1050	3	ENGL	1010	3
FIN	1210	2	FIN	2100	3
FIN	2950	1	FIN ELECTIVES		5
DISTRIBUTION		6	**TOTAL**		**17**
TOTAL		**17**			

2ND FALL SEMESTER			2ND SPRING SEMESTER		
ACCT	1230	3	FIN	2040	3
BUS	2010	3	FIN	2200	3
ECON	2020	3	FIN	2220	2
FIN	1380	3	FIN ELECTIVES		3
FIN	2210	2	MKTG	1960	3
MGT	2050	3	**TOTAL**		**16**
TOTAL		**17**			

CERTIFICATE OF COMPLETION/ FINANCE AND CREDIT

(minimum 34 hours required)

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ACCT	1220	Survey Fin Acct	3	A	none
BUS	1050	Bus & Society	3	A	none
BUS	2010	Business Com	3	A	ENGL 1010
CST	1010	Cust Serv Tech	2	A	none
ENGL	1010	Intro to Writing	3	A	pre-test
FIN	1050	Personal Fin	3	A	none
FIN	1380	Financial Math	3	A	MATH 0970 or CPT
FIN	2950	Exec Lectures I	1	F, Sp	none
FIN	____	Electives	10		

CHOOSE ONE OF THE FOLLOWING:

ECON	2010	Microeconomics	3	A	none
	OR				
ECON	2020	Macroeconomics	3	A	none

FINANCE ELECTIVES (10 CREDITS)

BUS	1910	PBL Sp Projects	2	TBA	none
ECON	1010	Economics SocSi	3	A	none
ECON	1400	Econ Hist Am Lb	3	Sp	HIST 1700 or ECON 1740
ECON	1740	Econ Hist of US	3	A	none

*ECON	2010	Microeconomics	3	A	none
*ECON	2020	Macroeconomics	3	A	none
ECON	2100	Labor Economics	3	F, Sp	ECON 2010 and ECON 2020
ECON	2400	Intl Econ/Fin	3	F	ECON 2010 or ECON 2020
FIN	1210	Principles Bankg	2	F, Sp	none
FIN	2000	CO-OP	1-3	A	2.0 GPA with study related employment
FIN	2150	Mutual Funds	3	Sp	FIN 1050 or instructor's approval
FIN	2200	Personal Fin Pln	3	Sp	FIN 1050
FIN	2210	Princ of Bus Credit	2	A	ACCT 1110 or ACCT 1220
FIN	2960	Executive Lect II	1	F, Sp	FIN 2950
FIN	2990	Spec Std Financ	1-3	TBA	approval
MGT	2050	Legal Env of Bus	3	A	BUS 1050

*Whichever one is not used to satisfy the Core Requirement.

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
BUS	1050	3	ACCT	1220	3
CST	1010	2	BUS	2010	3
ENGL	1010	3	FIN	1380	3
FIN	1050	3	FIN	2950	1
FIN ELECTIVES		6	FIN ELECTIVE		4
TOTAL		**17**	ECON	2010	3
				OR	
			ECON	2020	3
			TOTAL		**17**

FINE ARTS

South City Campus N109 (801) 957-4130
General Information (801) 957-4073
Academic Advisor (801) 957-4016

Associate Professors: Tess Boone, Helen Stringham
Assistant Professor: Lyle Archibald, Craig Ferrin, Frank Gerrish

THE PROGRAM

The Fine 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. THE 1190 and THE 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.

PREREQUISITES

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.

BOOKS AND SUPPLIES

Cost of supplies and texts are comparable with other general education classes at approximately $40 per text. Some courses may require concert/play attendance.

DEPARTMENTAL OFFERINGS

DANCE

COURSE			CR	SEM	PREREQUISITES
DNC	1050	Art of Dance	3	F, Sp	none
DNC	1090	Bridging the Arts	3	A	none
DNC	1100	Intro Ballet I	2	A	none
DNC	1110	Ballet II	2	F, Sp	DNC 1100 or instructor's approval
DNC	1200	Intro Mod Dnc I	2	A	none
DNC	1210	Modern Dance II	2	F, Sp	DNC 1200 or instructor's approval
DNC	1300	Intro Jazz Dnc I	2	A	none
DNC	1310	Jazz Dance II	2	F, Sp	DNC 1300 or instructor's approval
DNC	1400	Intro Tap Dnc I	2	F, Sp	none
DNC	1410	Tap Dance II	2	Sp	DNC 1400 or instructor's approval
DNC	1500	SLCC Dance Co	1	F, Sp	audition only
DNC	1700	Mod Imp/Chor	1	F	DNC 1200 or instructor's approval
DNC	1900	Special Projects	1-2	F, Sp	Department approval
DNC	2100	Ballet III	2	F	DNC 1110 or instructor's approval
DNC	2110	Ballet IV	2	Sp	DNC 2100 or instructor's approval
DNC	2200	Mod Dance III	2	F	DNC 1210 or instructor's approval
DNC	2210	Mod Dance IV	2	Sp	DNC 2200 or instructor's approval
DNC	2300	Jazz Dance III	2	F	DNC 1310 or instructor's approval
DNC	2310	Jazz Dance IV	2	Sp	DNC 2300 or instructor's approval
DNC	2400	Tap Dance III	2	Sp	DNC 1410 or instructor's approval
DNC	2700	Dnc Imp/Chor II	1	Sp	DNC 1700
DNC	2900	Special Topics	1-2	Sp	department approval
DNC	2990	Perf Arts Con	2	Sp	department approval

FILM

(SEE ALSO "FILM PRODUCTION TECHNICIAN" PROGRAM.)

COURSE			CR	SEM	PREREQUISITES
FLM	1030	Intro to Film Tech	4	A	none
FLM	1031	Production Proj II	2	Sp	FLM 1030
FLM	1040	BasicPrd f/FlmTch	2	F	w/FLM 1041
FLM	1041	BasProd FlmTech L	2	F	w/FLM 1041
FLM	1050	Intro to Film	4	A	none
FLM	1060	Camera Technol	3	Sp	FLM 1040, w/FLM 1061
FLM	1061	Camera Technol Lb	2	Sp	FLM 1041, w/FLM 1060
FLM	1070	Film and Culture	4	A	none
FLM	1100	Acting f/Camera	1	A	Concurrentw/FLM 1101
FLM	1101	Acting f/Cam. Lab	3	A	Concurrent w/FLM 1100
FLM	1110	Voice&Spch f/Actor	3	A	none
FLM	1200	Acting f/Camera II	1	A	FLM 1100
FLM	1201	Acting f/Cam. II L	3	A	FLM 1101
FLM	1800	Multimed Essentials	4	A	none
FLM	1900	Indep Studies	1-2	TBA	instructor's approval
FLM	2010	UndFlmDir f/Tech	2	Sp	w/FLM 2011
FLM	2011	UndFlmDirf/TchL	2	Sp	w/FLM 2010
FLM	2030	Doc&Ind FlmProd.	2	F	none
FLM	2040	Technical Post-Prod	2	F	FLM 1060, w/FLM 2041
FLM	2041	Tech Post-Prod Lab	2	F	FLM 1061, w/FLM 2040
FLM	2060	MoPicSound f/Tch	3	Sp	w/FLM 2061
FLM	2061	MoPicSnd f/Tch L	2	Sp	w/FLM 2060
FLM	2070	Bus f/FlmProd	3	F	none
FLM	2200	Intro Flm Crit	4	A	ENGL 1010, FLM/THE 1050 or FLM/THE1070
FLM	2700	AdvProd f/Tech L	2	Sp	FLM 2030, w/FLM 2701
FLM	2701	AdvPst-Prd f/TchL2		Sp	w/FLM 2700
FLM	2750	FlmProd Intrnshp	3	F, Sp	FLM 2030, FLM 2040
FLM	2800	Acting f/Directors	1	F	Concurrent w/FLM 2801
FLM	2801	Acting f/Direct Lab	2	F	Concurrent w/FLM 2800
FLM	2900	Special Topics	1-3	TBA	instructor's approval

FINE ARTS

COURSE			CR	SEM	PREREQUISITES
ART	1010	Exploring Art (FA)	3	A	none
ART	1020	Intro to Draw (FA)	3	A	none
ART	1050	Intro to Photog (FA)	3	A	none
ART	1060	Calligraphy (FA)	3	A	none
FA	1050	Photography (FA)	3	A	none
FA	1080	Basic Metal Sclpt(FA)	3	A	none
FA	1090	Bridging the Arts (FA)	3	A	none

MUSIC

COURSE			CR	SEM	PREREQUISITES
MUS	0990	Recital Attend	0	A	none
MUS	1010	Intro to Music	3	A	none
MUS	1050	Songwriting I	2	F, Sp	none
MUS	1060	Songwriting II	2	Sp	MUS 1050
MUS	1090	Bridging the Arts	3	A	none
MUS	1100	Intro to Piano	2	F	none
MUS	1110	Group Piano I	1	F, Sp	none
MUS	1120	Group Piano II	1	Sp	MUS 1110
MUS	1210	Music in Hist I	3	F	none
MUS	1220	Music in Hist II	3	Sp	none
MUS	1310	Group Voice I	2	A	none
MUS	1350	College Chorale	1	F, Sp	none
MUS	1360	College Chorale	0	F, Sp	none
MUS	1370	Concert Choir	1	F, Sp	audition
MUS	1380	Chamber Singers	1	F, Sp	audition
MUS	1390	South City Jazz	1	F, Sp	audition
MUS	1450	Bruin Band	1	TBA	none
MUS	1460	Chamber Ensm	1	F, Sp	audition
MUS	1470	Jazz Band	1	F, Sp	none
MUS	1480	Guitar Ensembl	1	F, Sp	audition
MUS	1550	Intro Mus Theory	2	F, Sp	none
MUS	1560	Music Theory I	3	F	w/MUS 1561
MUS	1561	SS and Ear I	1	F	w/MUS 1560
MUS	1570	Music Theory II	3	Sp	MUS 1560, w/MUS 1571
MUS	1571	SS and Ear II	1	Sp	MUS 1561, w/MUS 1570
MUS	1610	Group Guitar I	2	A	none
MUS	1620	Group Guitar II	2	F, Sp	MUS 1610
MUS	1660	Frtbrd Theory I	2	F	none
MUS	1670	Frtbrd Theory II	2	Sp	MUS 1660
MUS	1710	Priv Guitar Inst	1	F, Sp	none
MUS	1730	Private Piano	1	A	instructor's approval
MUS	1750	Private Voice	1	F, Sp	none
MUS	1900	Special Projects	1-2	F, Sp	instructor's approval
MUS	2500	Bas Conducting	2	Sp	MUS 1570
MUS	2560	Music Theory III	3	F	MUS 1570, w/MUS 2561
MUS	2561	SS and Ear III	1	F	MUS 1571, w/MUS 2560
MUS	2570	Music Theory IV	3	Sp	MUS 2560, w/MUS 2571
MUS	2571	SS and Ear IV	1	Sp	MUS 2561, w/MUS 2570
MUS	2900	Special Topics	1-3	TBA	none
MUS	2990	Perf Arts Connct	2	Sp	instructor's approval

THEATER

COURSE			CR	SEM	PREREQUISITES
THE	1010	Survey Theater	3	A	none
THE	1050	Intro to Film	4	A	none
THE	1070	Film and Culture	4	A	none
THE	1090	Bridging the Arts	3	A	none
THE	1120	Acting I-Basic	3	A	none
THE	1130	Acting II-Scene	3	A	THE 1120
THE	1140	Music Theater	3	TBA	THE 1120
THE	1160	Tech I Lab	3	TBA	w/THE1180
THE	1170	Tech II Lab	3	TBA	w/THE 1560
THE	1171	Tech III Lab	3	TBA	w/THE 1550
THE	1180	Tech I Stagecraft	3	TBA	w/THE 1160
THE	1190	Production	3	F, Sp	none
THE	1550	Tech III Design	3	TBA	THE 1160, THE 1180, w/THE 1171, THE 1560
THE	1560	Tech II Light/Sd	3	TBA	w/THE1170, THE 1180
THE	1900	Special Projects	1-2	A	instructor's approval
THE	2150	Acting III-Aud	3	TBA	THE 1120
THE	2200	Intro Flm Crit	4	F, Sp	ENGL 1010, THE 1050 or THE 1070
THE	2250	Make-up	3	TBA	none
THE	2520	Creative Drama	2	TBA	none
THE	2900	Special Topics	1-3	TBA	none
THE	2990	Perf Arts Connec	2	Sp	instructor's approval

FITNESS TECHNICIAN

Estimated cost of books and supplies per semester $170

General Information (801) 957-4073
Academic Advisor (801) 957-4407
Department of Health and Lifetime Activities
LAC216 (801) 957-4517

Associate Professor: Soni Adams

THE PROGRAM

The fitness technician certificate is designed to train individuals who instruct group exercise or provide personal fitness training. The intent of this training is to increase the availability of qualified professionals to provide sound scientific advice and supervision regarding appropriate physical activity for improving and maintaining health for the average adult population. The three main goals of the training are:

1. To prepare individuals for employment in the health and fitness industry as personal trainers or group exercise instructors. Upon completion of the training, participants will have the knowledge and experience to assess an individual's current fitness level and health status as well as design and implement an appropriate exercise program.

2. Prepare individuals to take any of the following accredited personal training exams; ACE, AFAA or NSCA. Prepare individuals to take the following aerobic instructor certification exams; ACE or AFAA.

3. To provide course work for continuing education units required by certifying organizations to maintain certification as a personal trainer or aerobic instructor. Students completing the courses listed below earn continuing education credit which applies to a certificate of completion. Credit generated by completion of these courses can only be used toward a AA, AS, AAS with approval of the division sponsoring the degree.

PREREQUISITES

Before students can participate in an internship, they must complete First Aid courses and be currently certified in CPR. Courses are offered through the American Heart Association, the American Red Cross and Salt Lake Community College.

Fitness Technician training starts a new group each year (fall semester). This training also offers fitness classes that are required for other programs.

CLASS AVAILABILITY

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.

ASSOCIATE OF APPLIED SCIENCE DEGREE IN FITNESS TECHNICIAN

(minimum 66-68 credit hours required)

THE PROGRAM

The Fitness Technician Program is designed to train students to meet the growing demand in the fitness profession for personal trainers and group exercise instructors. Students may choose from either personal trainer or group exercise instructor track.

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. The elective courses specialize in the areas of either personal training or group exercise instruction. An internship of 120 hours for the personal trainer and 80 hours for the group exercise instructor track, is required to complete the degree.

Successful completion of the program prepares the graduate to sit for certifications from various fitness associations including (but not limited to): the National Strength and Conditioning Association - Certified Personal Trainer (NSCA-CPT), the American Council on Exercise (ACE) and the Aerobic and Fitness Association of America (AFAA).

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS (13 CREDIT HOURS MINIMUM)					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
FIN	1380	Financial Math	3	A	MATH 0970 or CPT
OR					
Any MATH 1000 or higher					
COMMUNICATION					
COM	1010	Elem Effect Com	3	A	none
HUMAN RELATIONS					
MKTG	1960	Prof in Business	3	A	none
OR					
CST	1010	Cstmr Srvice Tech	2	A	none
DISTRIBUTION AREAS					
Choose an additional three credit hours from one of the following distribution areas:					
		Biological Science*	3	A	none
		Fine Arts	3	A	none
		Humanities	3	A	none
		Interdisciplinary*	3	A	none
		Physical Science	3	A	none
		Social Science	3	A	none

*Except BIOL 1010, HLTH 1050 and HLTH 1500.
See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS (38 CREDIT HOURS)

COURSE			CR	SEM	PREREQUISITES
BIOL	1110	Intro HumanAnat	3	A	none
HLA	1090	Flxblty f/Fitness	1	F, Sp	none
HLA	2110	Pnples Weight Trng	1	F, Sp	none
HLTH	1020	Fndtions Nutrition	3	A	none
HLTH	1105	BodyImage/Wt Mgt	2	F, Sp	none
HLTH	1200	Frst Aid/Safety	3	A	none
HLTH	1250	Stress Management	2	A	none
HLTH	1400	IntroPrsnlTrn/GrpEx	2	F, Sp	none
HLTH	1405	Eval&AssessmFitness	3	F, Sp	none
HLTH	1500	Lifetm Wellnss/Fitnss	3	A	none
HLTH	2021	Nutr f/Fitness/Sport	3	F, Sp	HLTH 1020 or HLTH 2020 recommended
HLTH	2100	FtnssMtvtn/BhRsp	3	F, Sp	none
HLTH	2200	Kinesiology	3	A	BIOL 1110
HLTH	2250	Exercise Phys	3	A	BIOL 1110
HLTH	2400	Exer&DmAging	3	F, Sp	none

COMPLETE ONE OF THE FOLLOWING TRACKS:

PERSONAL TRAINER EMPHASIS

GROUP EXERCISE INSTRUCTOR EMPHASIS

PERSONAL TRAINER EMPHASIS
(12 ADDITIONAL HOURS REQUIRED)

HLA	1020	Cardio Fitness	1	A	none
HLA	1050	Fitness for Life	1	A	none
HLA	1100	Strength Training	1	A	none
HLTH	2430	Dsigning Trng Prgs	3	F, Sp	HLTH 1400, HLTH 2200
HLTH	2435	Prsnl Fitness Trng	3	F, Sp	HLTH 2430
HLTH	2450	PrsnlTrngInternship	3	A	instructor's approval

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ENGL	1010	3	COM	1010	3
BIOL	1110	3	HLTH	1105	2
HLTH	1020	3	HLTH	1405	3
HLTH	1200	3	HLTH	1500	3
HLTH	1250	2	HLTH	2200	3
HLTH	1400	2	HLA	1090	1
HLA	1050	1	HLA	1100	1
TOTAL		**17**	**TOTAL**		**16**
2ND FALL SEMESTER			**2ND 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
HLA	1020	1	**TOTAL**		**15**
HLA	2110	1			
TOTAL		**17**			

GROUP EXERCISE INSTRUCTOR EMPHASIS
(12 ADDITIONAL HOURS REQUIRED)

HLTH	1410	GrpExerSkllBldng I	3	F, Sp	HLTH 1400 or instructor's approval
HLTH	2410	GrpExerSkllBldngII	3	F, Sp	HLTH 1410 or instructor's approval
HLTH	2420	GrpExerInstrIntrn	2	A	Instructor approval

COMPLETE 4 OF THE 5 FOLLOWING HLA OFFERINGS:

HLA	1070	AerobicsI/Step	1	A	none
HLA	1071	AerobicsI/Interval	1	A	none
HLA	1080	AerobicsII/Kkbxng	1	A	none
HLA	1081	AerbicsII/Spinning	1	A	none
HLA	1905	Yoga I	1	A	none

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ENGL	1010	3	COM	1010	3
BIOL	1110	3	HLTH	1250	2
HLTH	1020	3	HLTH	1405	3
HLTH	1200	3	HLTH	1410	3
HLTH	1400	2	HLTH	1500	3
HLA	1070	1	HLTH	2200	3
HLA	1090	1	HLA	1080	1
TOTAL		**16**	**TOTAL**		**18**
2ND FALL SEMESTER			**2ND SPRING SEMESTER**		
FIN	1380	3	MKTG	1960	3
HLTH	1105	2	HLTH	2021	3
HLTH	2100	3	HLTH	2400	3
HLTH	2250	3	HLTH	2420	3
HLTH	2410	3	DISTRIBUTION		3-6
HLA	1081	1	**TOTAL**		**15-18**
HLA	2110	1			
TOTAL		**16**			

FLIGHT TECHNOLOGY

SEE **AVIATION TECHNOLOGY/PROFESSIONAL PILOT**. > > >

GED TEST PREPARATION

SEE **SKILLS CENTER**. > > >

GENEALOGY

SEE **CONTINUING EDUCATION**. > > >

GENERAL CLERK

SEE **CONTINUING EDUCATION**. > > >

GENERAL STUDIES

Technology Building 319C (801) 957-4280
General Information (801) 957-4073
Academic Advisor (801) 957-4732

THE PROGRAM
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 major may use this area to select classes that satisfy specific prerequisite and pre-major requirements for their intended baccalaureate degree. Students should obtain advice in selecting appropriate courses that will satisfy requirements at four-year institutions.

The AS degree requires a minimum of 63 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.

PREPARATION NOTE
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 only necessary 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 majoring in physical, computational and biological sciences, engineering and other applied science fields; MATH 1030 is appropriate for liberal arts students and MATH 1040 is appropriate for students majoring in social sciences, behavioral sciences, humanities and the health sciences.

PREREQUISITES
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.

CLASS AVAILABILITY
Semesters in which courses are taught are listed below. Check the semester schedule for day/evening availability and modifications caused by varying enrollment.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*
(minimum 63 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1030	Quant Reas	3	A	MATH 1010
	OR				
MATH	1040	Statistics	3	A	MATH 1010
	OR				
MATH	1050	College Algebra	4	A	MATH 1010
AMERICAN INSTITUTIONS					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS

HLA	1	A	none

STUDENT CHOICE (2-3 CREDITS)

COMPUTER LITERACY

DISTRIBUTION AREAS
Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS
(30 CREDITS REQUIRED)
Complete thirty (30) credit hours from any college course numbered 1000 or above. A minimum of six credit hours must be taken from AREA ONE, General Studies Electives and a minimum of six credit hours must be taken from AREA TWO, Vocational/Technical Electives. Complete the remaining 18 credits from either area.

AREA ONE
GENERAL STUDIES ELECTIVES (MINIMUM 6 CREDIT HOURS)

Anthropology	Languages
Biology	Learning Enhancement
Chemistry	Literature
Communication	Mathematics
Dance	Music
Education (Elementary)	Philosophy
English	Physics
Film	Psychology
Fine Arts	Political Science
Geography	Social Work
Geology	Social Science
History	Sociology
Humanities	Theatre

AREA TWO
VOCATIONAL/TECHNICAL ELECTIVES (MINIMUM 6 CREDIT HOURS)
NOTE: some courses may not be eligible for financial aid

Accounting
Apprenticeship Programs
Architectural Technology
Auto Collision Repair and Refinishing
Automotive Technician
Aviation Technology/Aviation Maintenance Technician
Aviation Technology/Professional Pilot

Barbering/Cosmetology
Biotechnology Technician
Building Construction/Construction Management
Business
Business Management

Computer Information Systems
Computer Science
Cooperative Education (VOC 2000)
Criminal Justice

Dental Hygiene
Diesel Systems Technology
Digital Media Technology

e-Business Technology (see Digital Media Technology)
Economics
Electrical and Instrumentation Technology
Electronics Technology
Engineering
Engineering Design/Drafting Technology
Environmental Technology
Family and Human Studies
Fashion Institute
Finance and Credit
Fitness Technician
Health Science
Heating, Ventilation and Air Conditioning
Heavy Duty Mechanics (see Diesel Systems Technology)
Human Services Specialist
Interior Design

Legal Secretary
Maintenance Mechanics
Marketing Management
Medical Administrative Assistant
Medical Assistant
Medical Laboratory Technician

Non-Destructive Testing Technology
Nursing
Occupational Therapy Assistant

Paraeducation
Paralegal Studies
Pharmacy Technician
Physical Therapist Assistant

Radiologic Technology
Railroad Operations
Real Estate
ROTC (Aerospace Studies, Military Science)

Social Work
Surgical Technology
Surveying

Therapeutic Recreation Technician

Visual Art and Design
Welding

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ENGL	1010	3	COM	1010	3
MATH	1030	3	ENGL	2010	3
	OR		DISTRIBUTION		6
MATH	1040	3	ELECTIVES		6
	OR		**TOTAL**		**18**
MATH	1050	4			
HLA		1			
AMER INSTITUTIONS		3			
ELECTIVES		6			
TOTAL		**16-17**			

2ND FALL SEMESTER		2ND SPRING SEMESTER	
DISTRIBUTION	6	DISTRIBUTION	6
ELECTIVES	9	ELECTIVES	9
TOTAL	**15**	**TOTAL**	**15**

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

GEOGRAPHIC INFORMATION SCIENCE (GIS)

SEE **GEOSCIENCES.** > > >

GEOGRAPHY

SEE **GEOSCIENCES.** > > >

GEOLOGY

SEE **GEOSCIENCES.** > > >

GEOSCIENCES

Science and Industry Building, Room 345, (801) 957-4150
General Information (801) 957-4073
Academic Advisor (801) 957-4016

Associate Professors: Dorleen Jenson, Frank Komatar

THE PROGRAM
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.

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 full program.

PREREQUISITES
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.

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.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

ENVIRONMENTAL GEOLOGY

(Minimum 63 hours required)

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 (Geology or Environmental Earth Science); Utah State University (Geology); or Southern Utah University (Geology.)

Option II is designed for students transferring to Weber State University.

ELECTIVES
The program provides students with elective options so that they may take courses that apply to major requirements at the four-year insti-

tutions 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.

GENERAL EDUCATION REQUIREMENTS

(MINIMUM 30-32 CREDITS REQUIRED)

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION (6 CREDITS)					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
	OR				
ENGL	2100	Tech Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY (3-4 CREDITS)					
MATH	1060	Trigonometry	3	A	MATH 1050 (Opt II)
	OR				
MATH	1210	Calculus I	4	A	MATH 1060 (Opt I)
AMERICAN INSTITUTIONS (3 CREDITS)					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS (1 CREDIT)

HLA ——			1	A	none

STUDENT CHOICE (2-3 CREDITS)

COMPUTER LITERACY

DISTRIBUTION AREAS

Choose an additional three credit hours from **each** of the following distribution areas:

Biological Science	3	A	none
(BIOL 1210 required, Opt 1)			
(BIOL 1030 required, Opt II)			
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Social Science	3	A	none

Physical Science is exempt; CHEM 1210 is required for the program. See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

OPTION 1 (18 CREDITS)

For students intending to transfer to the University of Utah, Utah State University, or Southern Utah University.

COURSE			CR	SEM	PREREQUISITES
CHEM	1210	General Chem I	4	A	MATH 1050, w/CHEM 1230
CHEM	1230	Chem I Lab	1	A	w/CHEM 1210
GEOL	1110	Phys Geology	3	F	w/GEOL 1120
GEOL	1120	Phys Geolog Lab	1	F	w/GEOL 1110
GEOL	1220	Historical Geol	3	Sp	w/GEOL 1230
GEOL	1230	Histor Geol Lab	1	Sp	w/GEOL 1220
PHY	2210	ENGR Phys I	4	A	MATH 1210, w/PHY 2230
PHY	2230	Engr Phys I Lab	1	A	w/PHY 2210

OPTION I ELECTIVES (14 CREDITS)

SEE LIST BELOW

OPTION II (22 CREDITS)

For students intending to transfer to Weber State University.

COURSE			CR	SEM	PREREQUISITES
CHEM	1210	General Chem I	4	A	MATH 1050, w/CHEM 1230
CHEM	1230	Chem I Lab	1	A	w/CHEM 1210
GEOL	1110	Phys Geology	3	F	w/GEOL 1120
GEOL	1120	Phys Geolog Lab	1	F	w/GEOL 1110
GEOL	1160	Environmtl Geol	3	Sp	w/GEOL 1170
GEOL	1170	Envr Geol Lab	1	Sp	w/GEOL 1160
GEOL	1220	Historical Geol	3	Sp	w/GEOL 1230
GEOL	1230	Histor Geol Lab	1	Sp	w/GEOL 1220
PHY	2010	Mch,Ht & Wves	4	A	MATH 1060, w/PHY 2020
PHY	2020	Mch/Ht/Wves Lab	1	A	w/PHY 2010

OPTION II ELECTIVES (11 CREDITS)

SEE LIST BELOW

ELECTIVES – OPTIONS I AND II

COURSE			CR	SEM	PREREQUISITES
BIOL	1330	Plant Biology	4	F, Sp	BIOL 1210, w/BIOL 1340 (lab)
BIOL	1350	Animal Biology	4	F, Sp	BIOL 1210, w/BIOL 1360 (lab)
BIOL	2020	Cell Biology	4	F, Sp	BIOL 1210, w/BIOL 2025 (lab)
BIOL	2030	Genetics	4	F	BIOL 1210, w/BIOL 2035 (lab)
CHEM	1220	General Chem II	4	A	CHEM 1210, w/CHEM 1240
CHEM	1240	Gen Chem II Lab	1	A	CHEM 1210, w/CHEM 1220
CS	1050	Engr Computing	3	F, Sp	MATH 1050, w/MATH 1060
CS	1810	Intro Cmp Sci I	3	A	CS 1050, CS 1300, or CS 1500
GEOL	1160	Env Geology	3	Sp	w/GEOL 1170
GEOL	1170	Env Geology Lb	1	Sp	w/GEOL 1160
GEOL	2350	Field Studies	3	Su	w/BIOL 2350 (sec. 1 & 2)
MATH	1220	Calculus II	4	A	MATH 1210
MATH	2210	Multivar Calcu	3	A	MATH 1220
MATH	2250	Lin Alg/Diff Eq	3	A	MATH 1220
PHY	2220	Engr Phys II	4	A	PHY 2210, w/PHY 2240
PHY	2240	Engr Phys II Lab	1	A	PHY 2210, w/PHY 2220

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

TRANSFER RECOMMENDATIONS FOR SELECTING ELECTIVES:

Transfer requirements are subject to change; additional transfer information is available in the Transfer Center files, Redwood Campus, Student Center, room 240. Students are advised to contact the program advisor at SLCC and the school they will be transfering to.

UNIVERSITY OF UTAH

For University of Utah Geology, the following courses may be taken at SLCC: CHEM 1220/CHEM 1240, CS 1050, MATH 1220, MATH 2210, MATH 2250, PHY 2220/PHY 2240.

For University of Utah Environmental Earth Science, the following courses may e taken at SLCC: BIOL 1330/BIOL 1340 **AND** BIOL 1350/BIOL 1360, BIOL 2020/BIOL 2025 **OR** BIOL 2030/BIOL 2035, CHEM 1220/CHEM 1240, CS 1050, CS 1810, MATH 1220, MATH 2210, MATH 2250, PHY 2220/PHY 2240.

UTAH STATE UNIVERSITY

For Utah State University General Geology, the following courses may be taken at SLCC: CHEM 1220/1240, MATH 1220, and CS 1810.

For Utah State University Watershed and Earth Systems, the following courses may be taken at SLCC: CHEM 1220/1240, MATH 1220, PHY 2220/2240.

WEBER STATE

For Weber State University Geology, the following courses may be taken at SLCC: CHEM 2310/2330, PHY 2010/2030.

For Weber State University Applied Environmental Geoscience, the following courses may be taken at SLCC: BIOL 1330/1340, CHEM 2310/2330, ENGL 2100 (EN), MATH 1040, PHY 2210/2230.

SOUTHERN UTAH UNIVERSITY

For Southern Utah University Natural Resources & Environmental Studies, the following courses may be taken at SLCC: BIOL 2330/2340, COM 1270, POLI 1100 (AI), PSY 2500 OR MATH 1040.

For Southern Utah University Geology - Earth Science, the following courses may be taken at SLCC: CHEM 1220/1240, PHY 1270 (PS), BIOL 1210/1220 (BS), GEOG 1200 (PS).

For Southern Utah University Geology - Professional, the following courses may be taken at SLCC: CHEM 1220/1240, MATH 1210, MATH 1220, PHY 2210/2230, PHY 2220/2240.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

GEOGRAPHY

(minimum 63-64 hours required)

GENERAL EDUCATION REQUIREMENTS

(minimum 33 credits required)

COURSE		CR	SEM	PREREQUISITES
CORE SKILLS				
COMPOSITION (6 CREDITS)				
ENGL 1010	Intro to Writing	3	A	pre-test
ENGL 2010	Interm Writing	3	A	ENGL 1010
OR				
ENGL 2100	Tech Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY (3-4 CREDITS)				
MATH 1030	Quant Reasoning	3	A	MATH 1010 or CPT
AMERICAN INSTITUTIONS (3 CREDITS)				
ECON 1740	Econ Hist of US	3	A	none
OR				
HIS 1700	Amer Civilization	3	A	none
OR				
POLI 1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS (1 CREDIT)				
HLA ——		1	A	none
STUDENT CHOICE (2-3 CREDITS)				
COMPUTER LITERACY				
DISTRIBUTION AREAS (18 CREDITS)				

Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Social Science	3	A	none
Physical Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE		CR	SEM	PREREQUISITES
GEOG 1200	Earth's Surface	3	A	none
GEOG 1400	Human Geog	3	F, Sp	none
GEOG 1600	Regional Geog	3	F, Sp	none
GEOG/GIS 1800	Intro/GIS	3	A	none
GEOG/GIS 1820	Applied GIS	3	A	GEOG/GIS 1800 or instructor approval
GEOG 1900	Special Studies	1-3	A	instructor approval
GEOG 2100	Maps & Measur.	5	Sp	none
GEOG 2200	Urban/Envirn Issues	3	Sp	none
GEOL 1110	Physical Geol	3	F	w/GEOL 1120
GEOL 1120	Physical Geo Lab	1	F	w/GEOL 1110
MET 1010	Intro to Meteor	3	A	none

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ENGL	1010	3	ENGL	2010	3
GEOG	1200	3	GEOG	1400	3
GEOG	1600	3	GEOG	2100	5
GEOG	1800	3	MET	1010	3
DISTRIBUTION		3	DISTRIBUTION		3
TOTAL		**15**	**TOTAL**		**17**
2ND FALL SEMESTER			**2ND SPRING SEMESTER**		
GEOG	1900	3	STUDENT CHOICE		2-3
GEOG	2200	3	MATH	1030	3
GEOL	1110	3	AMER INSTITUTIONS		3
GEOL	1120	1	DISTRIUTION		6
HLA		1	**TOTAL**		**6**
DISTRIBUTION		6			
TOTAL		**17**			

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

DEPARTMENTAL OFFERINGS

COURSE		CR	SEM	PREREQUISITES
GEOG 1200	Earth's Surface	3	A	none
GEOG 1400	Human Geog	3	F, Sp	none
GEOG 1600	Regional Geog	3	F, Sp	none
GEOG 1700	Natural Disasters	3	F	none
GEOG/GIS 1800	Intro/Geog Info Sci	3	A	none
GEOG/GIS 1820	Applied GIS	3	A	GEOG/GIS 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.	5	Sp	none
GEOG 2200	Urban/Envirn Issues	3	Sp	none
GEOG/GIS 2900	Independent Projects	1-3	A	instructor approval
GEOG/GIS 2920	Contemp Studies	3	Sp	GEOG 1820 or instructor approval
GEOL 1010	Intro to Geology	3	A	none
GEOL 1110	Physical Geol	3	F	w/GEOL 1120
GEOL 1120	Physical Geo Lab	1	F	w/GEOL 1110
GEOL 1160	Env Geology	3	Sp	w/GEOL 1170
GEOL 1170	Env Geology Lb	1	Sp	w/GEOL 1160
GEOL 1220	Historical Geol	3	Sp	w/GEOL 1230
GEOL 1230	Histor Geol Lab	1	Sp	w/GEOL 1220
GEOL 2350	Field Studies	3	Su	w/BIOL 2350 (sec. 1 & 2)

GIS (GEOGRAPHIC INFORMATION SCIENCE)

SEE **GEOSCIENCES**. > > >

HEALTH AND LIFETIME ACTIVITIES

General Information (801) 957-4073
Lifetime Activities Center 201 (801) 957-4517
Academic Advisor (801) 957-4294

Professor: Gustavo Ibarra
Associate Professors: Soni Adams, Dollie Richards, Jean Widdison
Assistant Professors: Marlyn Harmer, Norm Parrish
Instructors: Shay Clemenson, Paul Roberts, Betsy Specketer

THE PROGRAM

The health and lifetime activities program is committed to providing a wide range of activities to students and faculty. Any Lifetime Activities course will fill the institutional requirement for physical education of pursuing an AA or AS degree (excluding HLA 2100 and HLA 2620). 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 Division Chair of health sciences for further information.

HLA also offers a Fitness Technician AAS degree. For further information, see **FITNESS TECHNICIAN**.

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.

CLASS AVAILABILITY

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	PREREQUISITES
HLTH	1020	FoundtnsNutrition	3	A	none
HLTH	1050	Life, Soc Drugs	3	A	none
HLTH	1105	Bdy & Wght Mgt	2	F Sp	none
HLTH	1200	First Aid & Safty	3	A	none
HLTH	1250	Stress Mgt	2	A	none
HLTH	1255	Mind/Body Con	3	F, Sp	none
HLTH	1400	IntroPersTrng/GrpEx	2	F, Sp	none
HLTH	1405	Eval&AssessmtFitnss	3	F, Sp	none
HLTH	1410	Skill Building I	3	F, Sp	HLTH 1400 or instructor's approval
HLTH	1500	Lftm Well & Fit	3	A	none
HLTH	2020	Nutrition f/LfCycl	3	F, Sp	none
HLTH	2021	Ntrn f/Ftnss&Sprts	3	F, Sp	HLTH 1020 and HLTH 2020 recommended
HLTH	2100	FtnsMvtn&BhvrRsp	3	F, Sp	none
HLTH	2200	Kinesiology	3	F, Sp	none
HLTH	2250	Exer Physiology	3	F, Sp	none
HLTH	2400	Exer&DimsAging	3	F, Sp	none
HLTH	2410	Aerob Instr Trng II	3	F, Sp	HLTH 1410 or instructor's approval
HLTH	2420	Grp Ex Instr Intern	2	A	HLTH 2410 or instructor's approval
HLTH	2430	Dsng Trng Prgrams	3	F, Sp	HLTH 1400, HLTH 2200
HLTH	2435	PrsFtnssTrnrIndtry	3	F, Sp	HLTH 2430
HLTH	2450	PersnlTrainerIntern	3	F, Sp	Instructor's approval
HLA	1020	Cardio Fitness	1	A	none
HLA	1050	Fitness for Life	1	A	none
HLA	1060	Jog/Walk	1	A	none
HLA	1070	Aerobics I/Step	1	A	none
HLA	1071	Aerobics I/Interval	1	A	none
HLA	1080	Arbcs II/Kck Bxng	1	A	none
HLA	1081	ArbcsII/Spinning	1	A	none
HLA	1090	Flxblty f/Fitness	1	F, Sp	none
HLA	1100	Strength Train I	1	A	none
HLA	1110	Strength Train II	1	A	HLA 1100
HLA	1120	Aerobic Circuit	1	A	none
HLA	1150	Basketball I	1	A	none
HLA	1160	Basketball II	1	A	HLA 1150
HLA	1180	Soccer I	1	F, Sp	none
HLA	1181	Soccer II	1	F, Sp	HLA 1180 or instructor's approval
HLA	1210	Softball	1	F, Sp	none
HLA	1230	Volleyball I	1	A	none
HLA	1240	Volleyball II	1	A	HLA 1230
HLA	1260	Volleyball III	1	F, Sp	HLA 1240
HLA	1390	Tennis I	1	A	none
HLA	1400	Tennis II	1	A	HLA 1390
HLA	1410	Tennis III	1	Sp	HLA 1400
HLA	1450	Racquetball I	1	A	none
HLA	1460	Racquetball II	1	F, Sp	HLA 1450
HLA	1500	Incol Athletics	1	F, Sp	instructor's approval
HLA	1530	Bowling I	1	A	none
HLA	1531	Bowling II	1	A	HLA 1530
HLA	1532	Bowling III	1	A	HLA 1531
HLA	1560	Golf I	1	A	none
HLA	1570	Golf II	1	A	HLA 1560
HLA	1600	Skiing/Snowbd	1	F, Sp	none
HLA	1605	Snowshoeing I	1	Sp	none
HLA	1606	Snowshoeing II	1	Sp	HLA 1605 or instructor's approval
HLA	1610	Ice Skating I	1	F, Sp	none
HLA	1615	Hiking I	1	A	none
HLA	1616	Hiking II	1	A	HLA 1615 or instructor's approval
HLA	1620	Rock Climbing I	1	A	none
HLA	1621	Rock Climbing II	1	A	HLA 1620 or instructor's approval
HLA	1625	Mt Biking I	1	A	none
HLA	1626	Mt Biking II	1	A	HLA 1625 or instructor's approval
HLA	1660	Swimming I	1	A	none
HLA	1670	Swimming II	1	A	HLA 1660
HLA	1690	Water Fitness	1	A	none
HLA	1710	Power Swim	1	F, Sp	HLA 1670
HLA	1720	Sprngbrd Diving	1	F	HLA 1670
HLA	1740	Scuba I	1	A	none
HLA	1750	Scuba II	1	A	HLA 1740
HLA	1770	Lifeguard Train	2	F	HLA 1670, CPR certification
HLA	1810	Social Dance I	1	A	none
HLA	1820	Social Dance II	1	F, Sp	HLA 1810
HLA	1840	Ctry Wes Dnc I	1	A	none
HLA	1850	Ctry Wes Dnc II	1	Sp	HLA 1840
HLA	1870	Folk Dance	1	F, Sp	none
HLA	1905	Yoga I	1	A	none
HLA	1910	Yoga II	1	Sp	HLA 1900
HLA	1930	Kung Fu I	1	A	none
HLA	1940	Kung Fu II	1	A	HLA 1930
HLA	1960	Taekwon-Do	1	A	none
HLA	1961	Taekwon-Do II	1	A	HLA 1960
HLA	1962	Taekwon-Do III	1	Sp	HLA 1970
HLA	1980	T'ai Chi	1	A	none
HLA	2100	Hth Ed Rec Dnc	2	F	none
HLA	2620	HLA Elem Schl	2	Sp	none

HEALTH RECORDS

SEE **SKILLS CENTER**. > > >

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

HEALTH SCIENCE

NOTE: This degree is designed for students already accepted into other Health Science 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 Assoicate of Science degree.

Lifetime Activities Center 234 (801) 957-4517
General Information (801) 957-4073
Academic Advisor SC240 (801) 957-4407

This degree is recommended for students who plan to transfer to four-year colleges. Completion of the associate of science degree with health science emphasis does not affect the professional status, certification or licensure of graduates of associate of applied science degree programs in the health science division.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENG 1010
QUANTITATIVE LITERACY					
MATH	1030	Quant Reas	3	A	MATH 1010
	OR				
MATH	1050	Coll Algebra	4	A	MATH 1010
	OR				
MATH	1040	Intro Statistics	3	A	MATH 1010
	(U of U Nursing requires)				
AMERICAN INSTITUTIONS (3 CREDITS)					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS					
HLA	____		1	A	none
STUDENT CHOICE (3 CREDITS)					
COMPUTER COMPETENCY					
DISTRIBUTION AREAS					

Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

DEGREE OPTIONS

A health science emphasis associate of science degree can be earned in the following AAS degree options. Complete the above hours of general education requirements. For information on suggested specific courses, contact the academic advisor at (801) 957-4407.

BIOTECHNOLOGY TECHNICIAN OPTION

NOTE: This option does NOT make the Biotechnology AAS degree transferable to the Biology baccalaureate degree.

DENTAL HYGIENE OPTION

NOTE: This option does NOT make the DH degree transferable to a DH baccalaureate degree.

MEDICAL LABORATORY TECHNICIAN OPTION

NOTE: This option does NOT make the MLT AAS degree transferable to the University of Utah medical technology program.

OCCUPATIONAL THERAPIST ASSISTANT OPTION

NOTE: This option does NOT make the AAS degree transferable to an OT baccalaureate degree.

PHYSICAL THERAPIST ASSISTANT OPTION

NOTE: This option does NOT make the PTA AAS degree transferable to an entry-level baccalaureate PT degree or an entry-level master's PT degree.

RADIOLOGIC TECHNOLOGY OPTION

NOTE: This option does NOT make the RT AAS degree transferable to a RT baccalaureate degree or a RT master's degree.

REGISTERED NURSING OPTION

This option is required for the AAS nursing degree to transfer to a nursing baccalaureate completion program. Call the academic advisor at (801) 957-4294 for additional information related to the BS completion at the University of Utah. The BSN at the University of Utah requires MATH 1040, Statistics.

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

HEALTH UNIT CLERK/COORDINATOR

SEE **SKILLS CENTER**, FOUND ELSEWHERE IN THIS CATALOG. > > >

HEATING, COOLING, AND REFRIGERATION TECHNOLOGY APPRENTICESHIP

SEE **APPRENTICESHIPS**, FOUND ELSEWHERE IN THIS CATALOG. > > >

HEATING, VENTILATION, AND AIR CONDITIONING

CT Building, Room 222 - (801) 957-4066
General Information (801) 957-4073
Academic Advisor CT 186 - (801) 957-4978

THE PROGRAM

This program provides students with a background for heating, ventilation, air-conditioning and refrigeration industries. By combining theory and practical shop experiences, students will develop the skills needed for installation, maintenance and trouble-shooting HVAC&R systems for residential and commercial applications. The courses are designed to build on the work experience and integrate classroom and lab into a unified learning experience. Successful completion of this program leads to the associate in applied science degree.

General education and elective courses provide training in effective oral and written communication and human relations skills. COM 1010 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.

STUDENT ORGANIZATIONS
Skills USA (formerly VICA) - All students enrolled in the architecture 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.

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.

PREREQUISTIES
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.

ELECTIVE OPTIONS
Cooperative education credit may be earned in lieu of some laboratory classes for completion of graduation requirements. If the laboratory learning objectives are completed on the job, they may be validated through on-site visits by the instructor/coordinator and/or testing. This needs to be approved by the refrigeration instructor and CO-OP staff member.

CLASS AVAILABILITY
The semester in which courses are taught are listed below. Students should check the semester class schedule for the day/evening availability and modifications caused by varying enrollment.

ASSOCIATE OF APPLIED SCIENCE DEGREE IN HEATING, VENTILATION, AND AIR CONDITIONING

(minimum 67 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	English Comp	3	A	pre-test
QUANTITATIVE LITERACY					
WLD	1005	Related Welding	3	A	none
COMMUNICATION					
COM	1010	Elem Effect Com	3	A	none
HUMAN RELATIONS					
LE	1220	Human Relations	3	A	none
DISTRIBUTION AREAS					

Choose an additional six credit hours from at least two of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

Interdisciplinary: except BUS 1050, FIN 1050 and MKTG 1050
See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
HVAC	1100	Ref Basic Elec	10	F	w/HVAC 1120
HVAC	1120	Heating Princ	3	F	w/HVAC 1100
HVAC	1200	Ref Fund & Dm	10	Sp	HVAC 1120, HVAC 1100, w/HVAC 1220
HVAC	1220	Ref EPA Recov	3	Sp	HVAC 1120, HVAC 1100, w/HVAC 1200
HVAC	1300	Commercial Ref	10	F	HVAC 1100, HVAC 1120, HVAC 1200, HVAC 1220
HVAC	1400	Air Conditioning	10	Sp	HVAC 1100, HVAC 1120, HVAC 1220, HVAC 1300, w/HVAC 1420
HVAC	1420	Comp Op Contrls	3	Sp	HVAC 1100, HVAC 1120, HVAC 1220, HVAC 1300, w/HVAC 1400
HVAC	1470	Math Bas HVAC	5	F, Sp	MATH 0920 or MATH 0950

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
HVAC	1100	10	HVAC	1200	10
HVAC	1120	3	HVAC	1220	3
ENGL	1010	3	HVAC	1470	5
WLD	1005	3	COM	1010	3
TOTAL		**19**	**TOTAL**		**21**
2ND FALL SEMESTER			**2ND SPRING SEMESTER**		
HVAC	1300	10	HVAC	1400	10
LE	1220	3	HVAC	1420	3
TOTAL		**13**	DISTRIBUTION		3
			TOTAL		**16**

CERTIFICATE OF COMPLETION/ HEATING, VENTILATION, AND AIR CONDITIONING

(minimum 43 hours required)

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
HVAC	1100	Ref Basic Elec	10	F	w/HVAC 1120
HVAC	1120	Heating Princ	3	F	w/HVAC 1100
HVAC	1200	Ref Fund & Dm	10	Sp	HVAC 1120, HVAC 1100, w/HVAC 1220
HVAC	1220	Ref EPA Recov	3	Sp	HVAC 1120, HVAC 1100, w/HVAC 1200
HVAC	1470	Math Bas HVAC	5	F, Sp	MATH 0920 or MATH 0950
COM	1010	Elem Effect Com	3	A	none
ENGL	1010	Intro to Writing	3	A	pre-test
LE	1220	Human Relation	3	A	none
WLD	1005	Related Welding	3	A	none

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
HVAC	1100	10	HVAC	1200	10
HVAC	1120	3	HVAC	1220	3
ENGL	1010	3	HVAC	1470	5
WLD	1005	3	COM	1010	3
TOTAL		**19**	LE	1220	3
			TOTAL		**24**

HEAVY-DUTY MECHANICS

SEE **DIESEL SYSTEMS TECHNOLOGY**; SEE ALSO **SKILLS CENTER AND APPRENTICESHIPS**. > > >

HISTORY

General Information (801) 957-4307
Academic Advisor (801) 957-3361
South City Campus N115A (801) 957-4130

Associate Professor: Gary Topping
Assistant Professors: Virginia Davidson, Ernest Randa
Instructor: Marianne McKnight

THE PROGRAM
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 to determine which courses are transferable to other colleges within the Utah System of Higher Education.

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.

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. History scholarships are available. Contact the division office at (801) 957-4130 for further information.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF ARTS TRANSFER DEGREE*

(minimum 62-63 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1030	Quant Reas	3	A	MATH 1010
	OR				
MATH	1040	Statistics	3	A	MATH 1010
	OR				
MATH	1050	College Algebra	4	A	MATH 1010
AMERICAN INSTITUTIONS (3 CREDITS)					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS					
HLA	____		1	A	none
STUDENT CHOICE (2-3 CREDITS)					
COMPUTER COMPETENCY					
DISTRIBUTION AREAS					

Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
HIS	1010	History West Civ	3	F, Sp	none
HIS	1020	History West Civ	3	F, Sp	none
HIS	2700	US Hist to 1865	3	F, Sp	none
HIS	2710	US HistSince1865	3	F, Sp	none

SELECT ONE OF THE FOLLOWING COURSES:

HIS	1040	World Hist to 1500	3	F, Sp	none
	OR				
HIS	1050	World History	3	F, Sp	none
	OR				
HIS	1300	Col Latin Amer	3	F	none
	OR				
HIS	1310	Mod Latin Amer	3	Sp	none
	OR				
HIS	1450	Islamic Civilizatn	3	Sp	none

COMPLETE TWO SEMESTERS OF A FOREIGN LANGUAGE:

Any Language 1010	5	A	none
Any Language 1020	5	A	Language 1010 or instructor's approval

ELECTIVES (3 CREDITS)

Take 3 credits from any college level course numbered 1000 or above.

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ENGL	1010	3	ENGL	2010	3
MATH	1030	3	DISTRIBUTION		6
	OR		HIS	1040	3
MATH	1040	3		**OR**	
	OR		HIS	1050	3
MATH	1050	4		**OR**	
AMER INSTITUTIONS		3	HIS	1300	3
LANGUAGE 1010		5		**OR**	
HLA		1	HIS	1310	3
TOTAL		**15-16**		**OR**	
			HIS	1450	3
			LANGUAGE 1020		5
			TOTAL		**17**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
HIS	1010	3	HIS	1020	3
HIS	2700	3	HIS	2710	3
DISTRIBUTION		6	DISTRIBUTION		6
ELECTIVE		3	STUDENT CHOICE		2-3
TOTAL		**15**	**TOTAL**		**14-15**

DEPARTMENTAL OFFERINGS

COURSE			CR	SEM	PREREQUISITES
HIS	1010	West Civ to 1300	3	F, Sp	none
HIS	1020	W Civ Since 1300	3	F, Sp	none
HIS	1040	World Hist to 1500	3	F, Sp	none
HIS	1050	WrldHistSince1500	3	F, Sp	none
*HIS	1100	Understnd History	3	F, Sp	none
HIS	1300	Colonial Latin Am	3	F	none
HIS	1310	Mod Latin America	3	Sp	none
HIS	1450	Islamic Civilization	3	Sp	none
HIS	1700	American Civiliza	3	A	none
HIS	1900	Special Studies	1-2	F, Sp	Instructor approval
HIS	2700	US Hist to 1865	3	F, Sp	none
HIS	2710	US Hist Since 1865	3	F, Sp	none
HIS	2900	Special Topics	1-3	F, Sp	none
*HIS	2990	Utah History	3	F, Sp	none

*This course may not count as part of a history major at the University of Utah. For further information, contact the History Department, U of U.

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

HOSPITALITY MANAGEMENT APPRENTICESHIP

SEE **APPRENTICESHIPS**. > > >

HUMANITIES

Estimated cost of books and supplies per semester $100 to $150

General Information (801) 957-4073
Administration Building 210 - (801) 957-4338
Academic Advisor (801) 957-4978

Professor: Richard Jensen
Associate Professors: Jerry Bradshaw, John Fritz
Assistant Professors: Paul Allen, Renee Barlow, Alexander Israilevsky

THE PROGRAM

The study of humanities encompasses those disciplines that recognize the value and dignity of humankind. Through methodologies of history, languages, philosophy, literature and the arts, students explore what it means to be human, developing the abilities of ethical perception, critical thinking and aesthetic appreciation in the course of their studies.

HUMA 1100, HUMA 1300, HUMA 1310 and HUMA 1320 offer students an introduction to the arts and to the development of intellectual traditions. HUMA 1400, HUMA 1410, HUMA 2401 and HUMA 2402 take students on surveys of art history throughout the world. Other humanities offerings allow students the opportunity to focus their attention on particular themes and topics in the humanities either in a particular culture or cross culturally.

ANTH 1010 and ANTH 2010 give students an understanding of the similarities and differences of diverse cultures throughout the world. PHIL 1010 is an introduction to the discipline of philosophy. ANTH 1030 introduces students to modern archaeological methods and theory. PHIL 1110 challenges students to confront ethical systems and issues as they relate to the students' own lives.

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. Students who need to take preparatory classes to meet the requirements of any course should plan on extra time to complete a degree.

ELECTIVE OPTIONS

With prior approval, students working in a job related to the humanities may earn up to six hours of general elective credit.

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.

NOTE: Students must receive a minimum of C in all classes counted toward the degree.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF ARTS TRANSFER DEGREE*

(minimum 62 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1030	Quant Reas	3	A	MATH 1010
	OR				
MATH	1040	Statistics	3	A	MATH 1010
AMERICAN INSTITUTIONS					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS					
HLA	____		1	A	none

STUDENT CHOICE (3 CREDITS)

COMPUTER COMPETENCY

DISTRIBUTION AREAS

Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ENGL	2030	Discourse Stud	3	Sp	ENGL 1010
	OR				
ENGL	2250	Intro Imag Writ	3	A	ENGL 1010
HUMA	1300	Ancient-Renaiss	3	A	none
HUMA	1310	Renaiss-Modern	3	A	none
LANG	1020	(Any Language)	5	A	Any Language 1010
____	____	Electives	14		

ELECTIVES (14 CREDITS)

Choose 14 credits from three of the following areas:

Anthropology	Humanities
Art History	Languages
History	Music
Languages	Philosophy
Humanities	Theater (See Fine Arts)

SAMPLE SCHEDULE

FALL SEMESTER		
ENGL	1010	3
HUMA	1300	3
LANG	1020	5
ELECTIVES		4
TOTAL		**15**

2ND FALL SEMESTER		
ENGL	2030	3
	OR	
ENGL	2250	3
AMER INSTITUTIONS		3
DISTRIBUTION		6
ELECTIVES		3
TOTAL		**15**

SPRING SEMESTER		
ENGL	2010	3
HUMA	1310	3
MATH	1030	3
	OR	
MATH	1040	3
HLA		1
STUDENT CHOICE		3
ELECTIVES		4
TOTAL		**17**

2ND SPRING SEMESTER	
DISTRIBUTION	12
ELECTIVES	3
TOTAL	**17**

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

DEPARTMENTAL OFFERINGS

ANTHROPOLOGY

ANTH	1010	Cltr Human Exp	3	F, Sp	none
ANTH	1030	Intro to Arch (ID)	3	F	none
ANTH	1500	Field Experience	1-2	Sp, Su	none
ANTH	1900	Special Studies	1-3	A	instructor approval
ANTH	2010	Peoples of SW (HU)	3	Sp	none
ANTH	2500	Field School	1-4	Su	none
ANTH	2900	Speical Topics	1-3	A	instructor approval

ART HISTORY

ARTH	2500	Prehistory/Ren.	3	F, Sp	none
ARTH	2510	Ren./Contemp.	3	F, Sp	none
ARTH	2520	LatAmer Art to 1750	3	Sp	none
ARTH	2640	Buddhist Art	3	F	none
ARTH	2700	Asian Art: Japan	3	Sp	none

HUMANITITES

HUMA	1100	Intro Humanities	3	A	none
HUMA	1200	Philosophy Work	3	F, Sp	none
HUMA	1300	Western Civ Anc	3	A	none
HUMA	1310	West Civ Modern	3	A	none
HUMA	1900	Special Studies	1-2	F, Sp	none
HUMA	2000	CO-OP	2-4	F, Sp	instructor's approval
HUMA	2120	Sacred Tex/Myth	3	Sp	none
HUMA	2130	Philosophy Litert	3	F, Sp	none
HUMA	2210	Russian Studies	3	F	none
HUMA	2220	Polynesian Stud	3	Sp	none
HUMA	2301	Great Books I	2	F	none
HUMA	2302	Great Books II	2	Sp	none
HUMA	2350	His/Phil Religion	3	F, Sp	none
HUMA	2500	Future Studies	3	F	none
HUMA	2600	Decade '60s	3	F, Sp	none

PHILOSOPHY

PHIL	1010	Intro Philosophy	3	F, Sp	none
PHIL	1110	Personal Ethics	3	F, Sp	none

HVAC

SEE **HEATING, VENTILATION, AND AIR CONDITIONING**. > > >

INDEPENDENT ELECTRICAL CONTRACTORS TECHNOLOGY APPRENTICESHIP

SEE **APPRENTICESHIPS**. > > >

INDUSTRIAL MAINTENANCE AND REPAIR TECHNOLOGY APPRENTICESHIP

SEE **APPRENTICESHIPS**. > > >

INSTITUTE OF PUBLIC SAFETY

SEE **CONTINUING EDUCATION**. > > >

INSTRUMENTATION TECHNOLOGY APPRENTICESHIP

SEE **APPRENTICESHIPS**. > > >

INTERIOR DESIGN

SEE **CONTINUING EDUCATION**. > > >

INTERNATIONAL STUDIES

Estimated cost of books and supplies per semester $125 to $150

General Information (801) 957-4073
Technology Building 319 (801) 957-4732
Academic Advisor (801) 957-4978

THE PROGRAM

The Associate of Arts degree with an emphasis in International Studies Business or International Studies Languages is designed to create greater sensitivity and understanding of the global community. Students will have an opportunity to prepare for an international career in government, humanitarian agencies, the arts, education or a variety of other careers that may require international travel, residence or expertise.

PREPARATION NOTE

Students are required to complete international studies core courses as well as courses for their selected area of emphasis. Students are encouraged to go beyond the one-year language requirement for programs outside the area of language.

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. Students who need to take preparatory classes to meet the requirements of any course should plan on extra time to complete a degree.

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.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF ARTS TRANSFER DEGREE*

INTERNATIONAL STUDIES/BUSINESS

(minimum 63-64 hours required)

TRANSFER INFORMATION

Preparing for a smooth transition to a four-year college or university requires advance research and planning by students. Requirements at four-year universities and colleges are subject to change; ongoing planning is essential. Students interested in international business majors should follow the Business Associate of Arts or Business Associate of Science degrees listed elsewhere in this catalog and consult the Division of Business Administration advisor in BB 132A on Redwood Road Campus; for an appointment call (801) 957-4300.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010

QUANTITATIVE LITERACY

MATH	1050	College Algebra	4	A	MATH 1010
	OR				
MATH	1090	College Alg Bus	3	A	MATH 1010

AMERICAN INSTITUTIONS (3 CREDITS)

ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS

HLA	____		1	A	none

STUDENT CHOICE (2-3 CREDITS)

COMPUTER COMPETENCY

DISTRIBUTION AREAS

Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

Humanities: COM 1050 recommended
Interdisciplinary: ANTH 1010 or BUS 1050 recommended
See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ANTH	1010	Cltr Human Exp	3	F, Sp	none
BUS	1050	Bus & Society	3	A	none
COM	2150	Intercltural Com	3	Sp	COM 1050
ECON	2400	IntnlComrce & Fin	3	F	ECON 2010 or ECON 2020
GEOG	1400	Human Geog	3	TBA	none
LANG	1020	(Any Language)	5		LANG 1010
MGT	2400	Intnl Trd & Bus	3	F	BUS 1050 or ECON 2020
MKTG	2400	Intnl Marketing	3	Sp	MKTG 1030, ECON 2020
POLI	2100	Intro to Intrn Rel	3	F	none

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
BUS	1050	3	ENGL	2010	3
ENGL	1010	3	LANG	1020	5
AMER INSTITUTIONS		3	DISTRIBUTION		6
DISTRIBUTION		6	STUDENT CHOICE		3
TOTAL		**15**	**TOTAL**		**17**
2ND FALL SEMESTER			**2ND SPRING SEMESTER**		
COM	2150	3	ANTH	1010	3
ECON	2400	3	GEOG	1400	3
MGT	2400	3	MKTG	2400	3
MATH	1050	4	POLI	2100	3
	OR		DISTRIBUTION		3
MATH	1090	3	**TOTAL**		**15**
HLA		1			
DISTRIBUTION		3			
TOTAL		**16-17**			

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF ARTS TRANSFER DEGREE*

INTERNATIONAL STUDIES/ LANGUAGES

(minimum 64 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1030	Quant Reas	3	A	MATH 1010
AMERICAN INSTITUTIONS (3 CREDITS)					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS

HLA	____		1	A	none

STUDENT CHOICE (3 CREDITS)

COMPUTER COMPETENCY

DISTRIBUTION AREAS

Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ANTH	1010	Cltr Human Exp	3	F, Sp	none
GEOG	1400	Human Geog	3	TBA	none
LANG	1020	(Any Language)	5		Any Language 1010
LANG	2010	(Any Language)	4		
LANG	2020	(Any Language)	4		
POLI	2100	Intro to Intrn Pol	3	TBA	none
___	____	Electives	8		

ELECTIVES (8 CREDITS)

ANTH	1030	Intro to Arch	3	F	none
COM	2150	Intcultural Com	3	F, Sp	COM 1050
ENGL	1200	Intro Linguistics	3	Sp	ENGL 1010
ENGL	2250	Imaginative Writ	3	A	ENGL 1010
ENGL	2610	Lit Trends in Am	3	F	ENGL 1010
ETHS	2580	Asian American	3	F	none
ETHS	2670	Mexican Amer	3	Sp	none
HIS	1300	Col Latin Amer	3	F	none
HIS	1310	Mod Latin Amer	3	Sp	none
HUMA	1320	Columbian Stds	3	Sp	none
HUMA	2210	Russian Studies	3	F	none
HUMA	2350	His/Phil Religion	3	F, Sp	none
HUMA	2401	India/China	3	F	none
HUMA	2402	Japan	3	Sp	none
LANG	1300	(Any Language)	1	A	instructor's approval

LANG	1900	(Any Language)	1-2	TBA	instructor's approval
LANG	2300	(Any Language)	1	F, Sp	instructor's approval
LANG	2700	(Any Language)	2	F, Sp	instructor's approval
LANG	2710	(Any Language)	2	F, Sp	instructor's approval
PHIL	1010	Intro Philosophy	3	F, Sp	none

Some electives may be appropriate for only one language. Check with the department.

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ENGL	1010	3	ENGL	2010	3
LANG	1020	5	LANG	2010	4
AMER INSTITUTIONS		3	STUDENT CHOICE		3
DISTRIBUTION		6	DISTRIBUTION		6
TOTAL		**17**	ELECTIVE		2
			TOTAL		**18**
2ND FALL SEMESTER			**2ND SPRING SEMESTER**		
LANG	2020	4	ANTH	1010	3
MATH	1030	3	GEOG	1400	3
HLA		1	POLI	2100	3
DISTRIBUTION		3	DISTRIUTION		3
ELECTIVE		3	ELECTIVE		3
TOTAL		**14**	**TOTAL**		**15**

IRONWORKERS JATC TECHNOLOGY APPRENTICESHIP

SEE **APPRENTICESHIPS**. > > >

LANDSCAPE TECHNOLOGY APPRENTICESHIP

SEE **APPRENTICESHIPS**. > > >

LANGUAGES

General Information (801) 957-4073
Administration Building 210 (801) 957-4338
Academic Advising, SCC W138 (801) 957-3353

Professor: Francoise Hibbs
Associate Professors: Laura Bradford, Christine Gonzales, Jonathan Stowers

THE PROGRAM

The Languages Department teaches beginning skills in several languages. Classes are designed to help students learn or improve listening, speaking, reading and writing as well as awareness of cultural differences and heritage.

The department offers full two-year programs in American Sign Language, Chinese, French, German, Italian, Japanese, Navajo, Portuguese, Russian and Spanish, which may tranfer to a bachelor degree program. (See Academic Advisor at SLCC and the intended receiving institution for specific articulation information.)

For students already proficient in the language, it is possible to enroll in more advanced courses with instructor's approval. Upon completion of that course with a grade of B or higher, students can petition for credit for the courses bypassed. Other options may be available. Contact the language department for credit waivers and/or tests.

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.

DEPARTMENTAL OFFERINGS

AMERICAN SIGN LANGUAGE

COURSE			CR	SEM	PREREQUISITES
ASLI	1010	Am Sign Lan I	5	A	none
ASLI	1020	Am Sign Lan II	5	A	ASLI 1010
ASLI	2010	IntermAmSignLanI	4	A	ASLI 1020
ASLI	2020	IntrmAmSignLanII	4	A	ASLI 2010

ARABIC

COURSE			CR	SEM	PREREQUISITES
ARB	1010	Beginning Arabic I	5	A	none
ARB	1020	Beginning Arabic II	5	A	ARB 1010
ARB	1300	Beg. Convers/Arabic 1		A	ARB 1010
ARB	1900	Special Studies	1-2	A	Instructor Approval
ARB	2010	Interm Arabic I	4	A	ARB 1020
ARB	2020	Interm Arabic II	4	A	ARB 1020
ARB	2300	Interm Conversation	1	A	ARB 1020
ARB	2900	Special Topics	1-3	A	Instructor Approval

CHINESE

COURSE			CR	SEM	PREREQUISITES
CHI	1010	Beg Chinese I	5	F	none
CHI	1020	Beg Chinese II	5	Sp	CHI 1010
CHI	1300	Beg Convers	1	F, Sp	CHI 1010
CHI	1900	Special Studies	1-2	TBA	instructor's approval
CHI	2010	Interm Chinese I	4	F	CHI 1020
CHI	2020	Interm Chinese II	4	Sp	CHI 1020
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	PREREQUISITES
FRN	1010	Beg French I	5	A	none
FRN	1020	Beg French II	5	A	FRN 1010
FRN	1300	Beg Convers	1	A	FRN 1010
FRN	1900	Special Studies	1-2	TBA	instructor's approval
FRN	2010	Interm French I	4	F	FRN 1020
FRN	2020	Interm French II	4	Sp	FRN 1020
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	PREREQUISITES
GER	1010	Beg German I	5	A	none
GER	1020	Beg German II	5	A	GER 1010
GER	1300	Beg Convers	1	F,Sp	GER 1010
GER	1900	Special Studies	1-2	TBA	instructor's approval
GER	2010	Inter German I	4	F	GER 1020
GER	2020	Inter German II	4	Sp	GER 1020
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

ITALIAN

COURSE			CR	SEM	PREREQUISITES
ITL	1010	Beg Italian I	5	F	none
ITL	1020	Beg Italian II	5	Sp	ITL 1010
ITL	1300	Beg Convers	1	Sp	ITL 1010
ITL	1900	Special Studies	1-2	TBA	instructor's approval
ITL	2010	Interm Italian I	4	F	ITL 1020
ITL	2020	Interm Italian II	4	Sp	ITL 1020
ITL	2300	Conversation	1	F, Sp	ITL 1020
ITL	2700	Intro to Literatur	3	TBA	ITL 2020 or ITL 2010
ITL	2710	Intr Italian Film	3	TBA	ITL 1020
ITL	2900	Special Topics	1-3	A	Instructor approval

JAPANESE

COURSE			CR	SEM	PREREQUISITES
JPN	1010	Beg Japanese I	5	F	none
JPN	1020	Beg Japanese II	5	Sp	JPN 1010
JPN	1300	Beg Convers	1	F, Sp	JPN 1010
JPN	1900	Special Studies	1-2	TBA	approval
JPN	2010	Inter Japanese I	4	F	JPN 1020
JPN	2020	Inter Japanese II	4	Sp	JPN 1020 or 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	PREREQUISITES
NAV	1010	Beg Navajo I	5	F	none
NAV	2900	Special Topics	1-3	A	Instructor approval

PORTUGUESE

COURSE			CR	SEM	PREREQUISITES
POR	1010	Beg Portugse I	5	F	none
POR	1020	Beg Portugse II	5	Sp	POR 1010
POR	1300	Beg Convers	1	F, Sp	POR 1010
POR	1900	Special Studies	1-2	TBA	instructor's approval
POR	2010	Inter Portugse I	4	F	POR 1020
POR	2020	Inter Portugse II	4	F	POR 1020 or 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	PREREQUISITES
RUS	1010	Beg Russian I	5	F	none
RUS	1020	Beg Russian II	5	Sp	RUS 1010
RUS	1300	Beg Convers	1	F,Sp	RUS 1010
RUS	1900	Special Studies	1-2	TBA	instructor's approval
RUS	2010	Inter Russian I	4	F	RUS 1020
RUS	2020	Inter Russian II	4	Sp	RUS 2010
RUS	2300	Conversation	1	F, Sp	RUS 1020
RUS	2700	Intro to Literatur	3	TBA	RUS 2020 or RUS 2010
RUS	2710	Int Russian Film	3	TBA	RUS 1020
RUS	2900	Special Topics	1-3	A	Instructor approval

SAMOAN

COURSE			CR	SEM	PREREQUISITES
SAM	1010	Beginning Samoan I	5	A	none
SAM	1020	Beginning Samoan II	5	A	SAM 1010
SAM	1300	Beg. Convrs/Samoan	1	A	SAM 1010
SAM	1900	Special Studies	1-2	A	Instructor Approval
SAM	2010	Interm Samoan I	4	A	SAM 1020
SAM	2020	Interm Samoan II	4	A	SAM 1020
SAM	2300	IntermConversation	1	A	SAM 1020
SAM	2900	Special Topics	1-3	A	Instructor Approval

SPANISH

COURSE			CR	SEM	PREREQUISITES
SPN	1010	Beg Spanish I	5	A	none
SPN	1020	Beg Spanish II	5	A	SPN 1010
SPN	1300	Beg Convers	1	A	SPN 1010
SPN	1900	Special Studies	1-2	TBA	instructor's approval
SPN	2010	Inter Spanish I	4	F	SPN 1020
SPN	2020	Inter 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	PREREQUISITES
TNG 1010	Beginning Tongan I	5	A	none
TNG 1020	Beginning Tongan II	5	A	TNG 1010
TNG 1300	Beg. Conver/Tongan	1	A	TNG 1010
TNG 1900	Special Studies	1-2	A	Instructor Approval
TNG 2010	Interm Tongan I	4	A	TNG 1020
TNG 2020	Interm Tongan II	4	A	TNG 1020
TNG 2300	Interm Conversation	1	A	TNG 1020
TNG 2900	Special Topics	1-3	A	Instructor Approval

LEADERSHIP, MANAGEMENT, AND SUPERVISION

SEE **CONTINUING EDUCATION**. > > >

LEGAL SECRETARY

SEE **CONTINUING EDUCATION**. > > >

LIBRARY TECHNICIAN

SEE **CONTINUING EDUCATION**. > > >

MACHINING TECHNOLOGY

SEE **ENGINEERING DESIGN/DRAFTING TECHNOLOGY**. > > >

MACHINIST APPRENTICESHIP

SEE **APPRENTICESHIPS**. > > >

MANUFACTURING ENGINEERING

SEE **ENGINEERING**. > > >

MANUFACTURING ENGINEERING TECHNOLOGY

SEE **ENGINEERING DESIGN/DRAFTING TECHNOLOGY**. > > >

MANUFACTURING PROCESSES

SEE **CONTINUING EDUCATION**. > > >

MARINE BIOLOGY

Academic Advisor TB 204 (801) 957-4016
Living Planet Aquarist: Scott Schieffer

THE PROGRAM

The Marine and Fresh Water Science Institute, operated and funded by The Living Planet Aquarium, in partnership with Salt Lake Community College, is located at the SLCC Redwood Road Campus.

The Institute is designed to fulfill both academic and community needs. This educational facility will serve as a living laboratory for College biology students to study a variety of marine and fresh water life. The major biology department focus at this time is on teaching an Introduction to Marine Biology lecture and laboratory class. Students will have the opportunity for hands-on study of marine plants, plankton, invertebrates and vertebrates. This course satisfies the Biological Sciences General Education Requirement, and will be taught by SLCC Biology department faculty.

In addition, The Living Planet Aquarist will provide for tours for thousands of elementary public school students each year to assist in meeting core educational requirements related to marine and fresh water life. The Living Planet will also headquarter its Utah Waters Van at the SLCC facility. This new program will educate 4th grade students on-site at elementary schools about the water cycle and the characteristics of Utah's wetlands, forests, and deserts. Included will be interactive, hands-on activities, water use and water cycle models, water ecology models, videos, and activities that teach key elements of the State's public school Core Curriculum.

CLASS AVAILABILILTY
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.

COURSE OFFERING

COURSE	CR		SEM	PREREQUISITES
BIOL	1070	Intro to Marine Bio	4	F, Sp	concurrent w/BIOL 1080

MARKETING MANAGEMENT

Estimated cost of books and supplies per semester $350 to $450

Business Building 105 (801) 957-4325
General Information (801) 957-4073
Academic Advisor BB 132A (801) 957-4323
Advising Appointments (801) 957-4300

Professors: Rolayne Day, Curtis W. Youngman
Instructors: Al Cole, Robin Roberson, Barbie Willett

THE PROGRAM
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.

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.

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.

GRADE REQUIREMENTS
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.

The Marketing 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.

PREPARATION NOTE
Students who need to take preparatory classes to meet requirements of first semester courses should plan on extra time to complete a certificate or degree. Classes designed to assist students in reaching the skill level necessary to enter the certificate and degree programs are MATH 0970 (Elementary Algebra) and CIS 1020 (Computer Essentials). Classes in the preparatory skills may be waived as students 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.

Students who wish to take the CIS 1020 Computer Essentials challenge exam are advised to review the self-scoring practice tests available on the Computer Information Systems department website, www.slcc.edu. An 80% or higher is required on each section of the test. For further information on the $25 challenge Exam, contact the Assessment and Testing Centers. This exam is only available during semesters. Once the exam is passed a P is posted to the transcript and credit is awarded.

ELECTIVE OPTIONS
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.

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.

ASSOCIATE OF APPLIED SCIENCE DEGREE

(minimum 67 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
FIN	1380	Financial Math	3	A	MATH 0970 or CPT
COMMUNICATION					
BUS	2010	Bus Communication	3	A	ENGL 1010
HUMAN RELATIONS					
CST	1010	Service Tech	2	A	none

DISTRIBUTION AREAS
Choose an additional six credits from at least two of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

Interdisciplinary: except BUS 1050, FIN 1050, MKTG 1050.
See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ACCT	1220	Survey Fin Acct	3	A	none
BUS	1050	Bus & Society	3	A	none
ECON	2020	Macroeconomics	3	A	none
LOG	1010	Intro to Dist Sys	3	A	none
MGT	2050	Lgl Envir Bus	3	A	BUS 1050
*MKTG	1030	Intro to Mktg	3	A	none
*MKTG	1050	Consumerism	3	A	none
*MKTG	1070	Promotion	3	F	none
*MKTG	1300	Bus Present	2	F	CIS 1020 or comp
*MKTG	1480	Sales	3	Sp	none
*MKTG	2100	Mktg Info Mgmt	3	Sp	MKTG 1030

*MKTG 2120	Prdct/Prcg Strg	3	F	MKTG 1030
*MKTG 2400	Intnl Mktg	3	F	MKTG 1030, ECON 2020
*MKTG 2500	Princ of Mktg	3	Sp	MKTG 1070, MKTG 1090 or MKTG 2360, MKTG 2100, MKTG 2120
MKTG 2810	E-CmDsgn/Imp	3	Sp, Su	MKTG 1030, MKTG 1480 or concurrent
MKTG	Electives	3		

CHOOSE ONE OF THE FOLLOWING:

*MKTG	1090	Retail Mgmt	3	Sp	none
OR					
*MKTG	2360	Industrial Mktg	3	Sp	MKTG 1030

*Must be completed with C+ or higher.

MARKETING ELECTIVES (3 CREDITS)

BUS	1900	DEX SpecProj	2	A	none
MGT	2070	Human Res Mgt	3	F, Sp	BUS 1050
MGT	2400	Intl Trade/Bus	3	F	none
*MKTG	1090	Retail Mgt	3	Sp	none
MKTG	1910	Event Marketing	3	Sp	none
MKTG	2000	CO-OP	1-3	A	approval
*MKTG	2360	Industrial Mktg	3	Sp	MKTG 1030
MKTG	2990	Current Topics	1-3	A	variable

*Can be taken as an elective if not taken as a required course.

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
BUS	1050	3	BUS	2010	3
ENGL	1010	3	FIN	1380	3
LOG	1010	3	MKTG	1090	3
MKTG	1030	3		**OR**	
MKTG	1070	3	MKTG	2360	3
MKTG	1300	2	MKTG	1480	3
TOTAL		**17**	MKTG	2100	3
			TOTAL		**15**
2ND FALL SEMESTER			**2ND SPRING SEMESTER**		
ACCT	1220	3	CST	1010	2
ECON	2020	3	MKTG	1050	3
MGT	2050	3	MKTG	2500	3
MKTG	2120	3	MKTG	2810	3
MKTG	2400	3	DISTRIBUTION		6
MKTG ELECTIVE		3			
TOTAL		**18**	**TOTAL**		**17**

CERTIFICATE OF COMPLETION/ MARKETING MANAGEMENT

(minimum 37 hours required)

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ACCT	1220	Survey Fin Acct	3	A	none
BUS	1050	Bus & Society	3	A	none
BUS	2010	Business Com	3	A	ENGL 1010
CST	1010	Cust Serv Tech	2	A	none
ENGL	1010	Intro to Writing	3	A	pre-Test
FIN	1380	Financial Math	3	A	MATH 0970 or CPT
LOG	1010	Intro to Dist Sys	3	A	none
MKTG	1030	Intro to Mktg	3	A	none
*MKTG	1050	Consumerism	3	A	none
*MKTG	1070	Promotion	3	F	none
*MKTG	1300	Business Pres	2	F	CIS 1020 or competency
*MKTG	1480	Sales	3	Sp	none

CHOOSE ONE OF THE FOLLOWING:

*MKTG	1090	Retail Mgmt	3	Sp	none
OR					
*MKTG	2360	Industrial Mktg	3	Sp	MKTG 1030

*Must be competed with C+ or higher.

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
BUS	1050	3	ACCT	1220	3
CST	1010	2	BUS	2010	3
ENGL	1010	3	FIN	1380	3
LOG	1010	3	MKTG	1050	3
MKTG	1030	3	MKTG	1480	3
MKTG	1070	3	MKTG	1090	3
MKTG	1300	2		**OR**	
TOTAL		**19**	MKTG	2360	3
			TOTAL		**18**

MATERIALS SCIENCE ENGINEERING

SEE **ENGINEERING**. > > >

MATHEMATICS

Estimated cost of books and supplies course $75

General Information (801) 957-4073
Science and Industry Building 241 (801) 957-4826

Professor: Chuck Cummins
Associate Professor: Margaret Nielson
Assistant Professors: Kathy Eppler, Joe Gallegos, Shawna Haider, Brenda Santistevan, Paul Smith, Cyril Watt, Molitika Vaivaka
Instructors: Dale Nelson, Cynthia Parker, Doug Richards, Cindy Soderstrom, Shane Tang, Suzzanne Topp, Ruth Trygstad.

THE PROGRAM

Classes range from intermediate algebra through differential equations. Credits support all degrees awarded by SLCC and many are transferable to other institutions. The department endeavors to minimize anxiety felt by many students, but is also committed to a rigorous treatment of the subject to develop mathematical skills. Core mathematics graduation requirement for an AA or AS degree can be fulfilled in one of four ways: MATH 1030 (Quantitative Literacy), MATH 1040 (Statistics), MATH1050 (College Algebra) or MATH 1090 (College Algebra for Business Students). Students should consult with their program advisor and transfer institution to decide which of these courses is appropriate.

PREREQUISITES

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisites must be satisfied (within one year) before the designated class may be taken.

ELECTIVE OPTIONS

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.

CLASS AVAILABILITY

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	PREREQUISITES
MATH	1010	Interm Algebra	4	A	MATH 0970
MATH	1020	Math for Health	3	A	MATH 0920 or MATH 0950 w/C, or appropriate CPT score
MATH	1030	Quant Reas	3	A	MATH 1010
MATH	1040	Statistics	3	A	MATH 1010
MATH	1050	College Algebra	4	A	MATH 1010
MATH	1060	Trigonometry	3	A	MATH 1050
MATH	1090	College Alg Bus	3	A	MATH 1010

MATH 1210	Calculus I	4	A	MATH 1060
MATH 1220	Calculus II	4	A	MATH 1210
MATH 2000	CO-OP	2-4	A	instructor's approval
MATH 2010	Math Elm Tch I	3	F	MATH 1050
MATH 2020	Math Elm Tch II	3	Sp	MATH 2010
MATH 2210	Multiv Calculus	3	A	MATH 1220
MATH 2250	Lin Alg, Dif Equa	3	F, Sp	MATH 1220

MECHANICAL ENGINEERING

SEE **ENGINEERING**. > > >

MECHANICAL ENGINEERING TECHNOLOGY

SEE **ENGINEERING DESIGN/DRAFTING TECHNOLOGY**. > > >

MEDICAL ADMINISTRATIVE ASSISTANT

Estimated cost of books per semester	$350
Estimated cost of supplies per semester	$ 15
La fees per semester	$ 16

Construction Trades 226 (801) 957-4090
General Information (801) 957-4073
Academic Advisor, SC 240 (801) 957-4407

Assistant Professors: Diana Carroll, Jana Tucker
Instructor: Kelli Miller

THE PROGRAM

Medical administrative 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 the care and treatment of patients in administrative procedures. Medical Administrative Assistant program graduates possess entry-level skills in all advanced competencies of the multi-skilled practioner. They also receive extensive training in the advanced competencies of the multi-skilled practitioner. As a result, graduates are of immediate value to the physician/employer. Great emphasis is placed on development and understanding of personal and professional relationships.

Students complete a 160-hour unpaid externship at a primary health care facility upon completion of the course work. Students must demonstrate efficiency by passing competencies required in the program and successfully complete CPR certification before placement in an externship. Students must return all externship evaluations and hours (records) properly signed by externship supervisor and student to the medical administrative assistant externship coordinator. Only upon successful completion of the program and externship and receipt of all externship records, will the student receive the certificate of completion.

HEALTH AND SAFETY PREPARATION

Students in the medical administrative assistant program must meet the same health and safety requirements that the participating facilities require of their own employees. These requirements must be initiated before beginning administrative course work.

GENERAL COLLEGE ADMISSION

The Medical Administrative Assistant Program does not require a separate Health Science application. Students who wish to enroll in this program should do the following:

1. Submit Application for Admission as a Matriculated Student
2. Pay general college application fee.
3. Complete ACT within one year or CPT placement test. This test may be waived at the discretion of Enrollment Services on the basis of previous college course work.

NOTE: SLCC does not have minimum required test scores for admission; however, the MAA program requires the minimum placement scores outlined below.

4. High school graduate or equivalent.
5. Math and English Placement. Copies of qualifying test scores must be submitted to a medical administrative assistant instructor before course work can begin.
   a. Math Qualifications (one of the following):
      1) CPT score: Arithmetic 35-53 within one year; placement into MATH 0950
      2) ACT score: Math 15-17 within one year; placement into MATH 0950
      3) MATH 0920 with C or better within one year
   b. English Qualifications (one of the following):
      1) AP English credit - must be listed on SLCC transcript
      2) CLEP English credit - must be listed on SLCC transcript
      3) Placement into ENGL 1010 with CPT or ACT
      4) WRTG 0990 - with C or better
6. Official sealed transcripts must be submitted from all colleges/universities where the student has completed prerequisite course work for application to the program.

SPECIAL NOTE FOR TRANSFER STUDENTS

Transcripts from other colleges or universities submitted with application are subject to the following policies:

1. Transcripts must be official (sealed and sent by the issuing institution) and must be sent to the Medical Administrative Assistant Coordinator. Transcripts submitted to Enrollment Services must remain in the main college records office, so a second set must be sent.
2. Transfer credits and course grades are considered only on completed course in which grades are received, not on course-in-progress.

The program will start a group of students each semester.

Satisfactory progress through the SLCC MAA program requires attendance in both theory and clinical sections. Students should complete their planned curriculum in sequential order without interruption. Successful completion of the program leading to graduation requires that all listed classes show a 74 percent or better.

PREREQUISITES

It is the students' responsibility to examine each course description for details on prerequisite courses. Those prerequisites must be satisfied before designated courses can be taken. Students must comply with prerequisites stated above.

CLASS AVAILABILITY

The semesters in which courses are taught are listed below. The students should check the semester class schedule for availability and modifications caused by varying enrollment. All classes in the program are taught during the day.

HUMAN RELATIONS, COMPUTATION, AND COMMUNICATION
HLTH 1255, MA 1200/MA 1210 and MA 2240 meet Human Relations/ Communication requirements. MA 1200/MA 1210 and MA 1150/ MA 2240 meet computation requirements.

CERTIFICATE OF COMPLETION/ MEDICAL ADMINISTRATIVE ASSISTANT

(minimum 35 hours required)

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
HLTH	1255	Mind/Body Con	3	F, Sp	none
MA	1100	Med Termnlogy	2	A	none
MA	1150	MedOfficeMachns	3	A	proof of word processing proficiency
MA	1200	Med Office Mgt	5	A	proof of word processing
MA	1210	Med Off Mgt Lb	3	A	w/ MA 1200
MA	1420	Clinical Ptholgy	7	A	w/ MA 1100
MA	2220	Med Off Trans	3	A	MA 1200, MA 1210, proof of word processing proficiency
MA	2230	Cmp Med Of Mg	2	A	MA 1200, MA 1210, proof of word processing proficiency
MA	2240	Med Off Com	2	A	MA 1100, MA 1200, MA 1210
MA	2300	Med Cod Proc	3	A	MA 1100, MA 1420
MA	2830	Med Adm Asst	2	A	Successful completion of all required courses in the program

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
MA	1100	2	MA	1150	3
MA	1200	5	MA	2220	3
MA	1210	3	MA	2230	2
MA	1420	7	MA	2240	2
HLTH	1255	3	MA	2300	3
TOTAL		**20**	MA	2830	2
			TOTAL		**15**

MEDICAL ASSISTANT

Estimated costs for program

Books	$350
Uniforms/Scrubs	$200
Liability Insurance	$ 20
Lab Fees	$ 15
Optional Certification Exam	$145
LPRT Exam	$100

Construction Trades 234 (801) 957-4090
General Information (801) 957-4073
Academic Advisor SC 240 (801) 957-4407

Assistant Professors: Diana Carroll, Jana Tucker
Instructor: Kelli Miller

THE PROGRAM
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. 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.

Students complete a 200-hour unpaid externship at a primary health care facility upon completion of the course work. Students must demonstrate efficiency by passing competencies required in the program and successfully complete CPR certification before placement in an externship. Students must return ALL externship evaluations and hours (records) properly signed by externship supervisor and student to the externship coordinator of the medical assistant program. Only upon successful completion of the program and externship and receipt of all externship records, will the student receive the one-year certificate.

The medical assistant program is accredited by CAAHEP /AAMA, (Commission on Accreditation of Allied Health Education Programs), thereby allowing graduates to sit for the national certification examination and receive the certified medical assistant credential, CMA.

HEALTH AND SAFETY PREPARATION
Students in the medical assistant program must meet the same health and safety requirements that the participating facilities require of their own employees. These requirements must be initiated before beginning any clinical course work. These requirements include:

Immunizations or evidence of:

1. Tetanus booster within past 10 years
2. MMR (two)
3. Negative tuberculosis skin test within one year of enrollment in medical assistant program*
4. Hepta-vax series, as follows:
   Initial injection
   2nd injection one month after the first
   3rd injection six months after the first

* If a student has a positive TB skin test, a negative chest X-ray and release form are required.

A student may decide to refuse any of the immunizations by signing a waiver and release form.

GENERAL COLLEGE ADMISSION
SLCC does not have minimum required test scores for admission; however, admission to the MA program requires the minimum placement scores outlined below:

1. Submit Application for Admission as a Matriculated Student to Enrollment Services.
2. Pay general college application fee.
3. Complete ACT or CPT placement test. This test may be waived at the discretion of the Enrollment Services on the basis of previous college coursework.
4. High school graduation or equivalent.
5. Math and English placement. Copies of qualifying test scores must be submitted to the medical assistant department before course work can begin.
   a. Math Qualifications (one of the following)
      1) Arithmetic 35-53 within one year;
      2) ACT score: Math 15-17 within one year;
      3) Placement into MATH 0950; or
      4) MATH 0920 with C or better within one year

b. English Qualifications (one of the following)
   1) AP English credit - must be listed on SLCC transcript;
   2) CLEP English credit - must be listed on SLCC transcript;
   3) Placement into ENGL 1010 with CPT or ACT; or
   4) WRTG 0990 - with C or better

SPECIAL NOTE FOR TRANSFER STUDENTS
Transcripts from other colleges or universities submitted with application are subject to the following policies:

1. Transcripts must be official (sealed and sent by the issuing institution) and must be sent to the Medical Administrative Assistant Coordinator. Transcripts submitted to Enrollment Services must remain in the main college records office, so a second set must be sent.

2. Transfer credits and course grades are considered only on completed course in which grades are received, not on course-in-progress.

The program will start a group of students each semester.

Satisfactory progress through the MA program requires attendance in both theory and clinical sections. Students should complete their planned curriculum in sequential order without interruption. Successful completion of the program leading to graduation requires that all listed classes show a 74% or better.

PREREQUISITES
It is the student's responsibility to examine each course description for details on prerequisite courses. Those prerequisites must be satisfied before designated courses can be taken. Students must comply with prerequisites stated above.

CLASS AVAILABILITY
The semesters in which courses are taught are listed below. The students should check the semester class schedule for availability and modifications caused by varying enrollment. All classes in the program are taught during the day MA 1100, MA 2300, MA 2540, MA 2550 and MA 2990 also are taught as evening courses.

HUMAN RELATIONS, COMPUTATION, AND COMMUNICATION
HLTH 1255, MA 1200/MA 1210 and MA 2240 meet Human Relations/Communication requirements. MA 1200/MA 1210 and MA 2240/MA 1300 meet computation requirements.

CERTIFICATE OF COMPLETION/ MEDICAL ASSISTANT

(minimum 49 hours required)

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
HLTH	1255	Mind/Body Con	3	F, Sp	none
MA	1100	Med Termnolgy	2	A	none
MA	1200	Med Off Mgmt	5	A	proof of word processing proficiency
MA	1210	Med Off Mgmt	3	A	w/ MA 1200
MA	1300	Clinical Phrmclg	4	A	MA 1100, MA 1420
MA	1310	Clinical Phrmclg	1	A	w/MA 1300
MA	1420	Clinical Ptholgy	7	A	w/ MA 1100
MA	1600	Patient Care	2	A	MA 1100, MA 1420
MA	1610	Patient Care	3	A	MA 1100, MA 1420
MA	2240	Med Off Com	2	A	MA 1100, MA 1200, MA 1210
MA	2300	Med Codng Pro	3	A	MA 1100, MA 1420
MA	2540	Prac Radiology	2	A	MA 1420, MA 1600, instructor's approval
MA	2550	Radiology	3	A	w/MA 2540
MA	2600	Adv Patient Care	2	A	MA 1420,MA 1600
MA	2610	Adv Patient Care	3	A	w/MA 1600
MA	2810	MedAsst Extrn	4	A	Successful completion of all required courses in the program

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
MA	1100	2	MA	1300	4
MA	1200	5	MA	1310	1
MA	1210	3	MA	1600	2
MA	1420	7	MA	1610	3
TOTAL		**17**	MA	2240	2
			HLTH	1255	3
SUMMER TERM			**TOTAL**		**15**
MA	2300	3			
MA	2540	2			
MA	2550	3			
MA	2600	2			
MA	2610	3			
MA	2810	4			
TOTAL		**17**			

MEDICAL BILLING

SEE **SKILLS CENTER**. > > >

MEDICAL BILLING PROCEDURES

SEE **SKILLS CENTER**. > > >

MEDICAL LABORATORY TECHNICIAN

Estimated cost of books, supplies and fees per semester$300

Lifetime Activities Center Room 201 - (801) 957-4517
General Information (801) 957-4073
Academic Advisor: SC 240, (801) 957-4407
www.slcc.edu/tech/health/medlab/

Karen A. Brown, MS, MT (ASCP), CLS
Associate Professor and MLT Program Director
Department of Pathology
University of Utah
(801) 581-3544
Karen.Brown@path.utah.edu

THE PROGRAM
The medical laboratory technician (MLT) performs general tests in all laboratory areas. Working under the supervision of a medial technologist, MLTs hunt for clues to the absence, presence, extent and causes of diseases. Graduates are eligible to take a national certification exam. Some MLT courses may be counted towards a bachelor's degree at the University of Utah. For those interested in knowing more about clinical laboratory careers, MLT 1010 provides an introduction to the laboratory field

General education, electives and clinical courses in this program provide experiences in effective oral and written communication and human relations skills.

This program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 8410 W. Bryn Mawr Avenue, Chicago, IL 60631-3415 (773) 714-8880, or website www.naacls.org

PREPARATION NOTE
Students accepted into the MLT program will need to meet health and safety requirements that need to be completed by the first day of fall semester. Contact Karen Brown for information.

To continue in the program, students need to complete the required curriculum in the order outlined and receive a grade of a C or better.

PREREQUISITES
It is the student's responsibility to examine each course description for details of prerequisites that must be satisfied before the designated class may be taken.

CLASS AVAILABILITY
The semesters in which courses are taught are listed below. Second year courses are offered at the University of Utah in the Department of Pathology and are taught by University faculty.

ASSOCIATE OF APPLIED SCIENCE DEGREE IN MEDICAL LABORATORY TECHNICAN

(minimum of 75 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE		CR	SEM	PREREQUISITES
COM	1010 Elem Eff Comm	3	A	none
ENGL	1010 Intro to Writing	3	A	none
LE	1220 Human Relations	3	A	none
	OR			
PSY	1500 Hmn Grwth/Dev	3	A	none
*MATH	1010 Interm Algebra	4	A	MATH 0970 or CPT score

*(Requires a minimum of a C)

MAJOR COURSE REQUIREMENTS
(REQUIRE A MINIMUM OF A C)

COURSE		CR	SEM	PREREQUISITES
BIOL	1170 Foundations of Biol	4	A	w/BIOL 1180 (Lab)
BIOL	2100 Human Physiology	4	A	BIOL 1170, or BIOL 1210, w/BIOL 2110 (Lab)
CHEM	1110 General Chemistry	4	A	w/CHEM 1130
CHEM	1130 General Chem Lb	1	A	w/CHEM 1110
CHEM	1120 Elem Organic Chem	4	A	CHEM 1110, w/CHEM 1140
CHEM	1140 ElemOrganChemL	1	A	CHEM 1110, w/CHEM 1120
MLT	1010 Diag Med	2	F	none
MLT	1620 Intro to Med Lab	1	F	instructor's approval
MLT	1700 Prin/Pracof Phleb	3	Sp	none
MLT	2200 Clinical Chemistry	4	Sp	instructor's approval
MLT	2300 Hematology	3	F	instructor's approval
MLT	2310 Coagulation	2	Sp	MLT 2300
MLT	2400 Immunohematol	4	Sp	instructor's approval
MLT	2500 Pthogenic Microbio	5	F	instructor's approval
MLT	2700 Immunology	3	F	instructor's approval
MLT	2850 Body Fluids	2	F	instructor's approval
MLT	2900 App Clinical Chem	3	Su	instructor's approval
MLT	2910 App Clinical Coagu	1	Su	instructor's approval
MLT	2920 App Clinical Hema	3	Su	instructor's approval
MLT	2930 AppClinBloodBnk	3	Su	instructor's approval
MLT	2940 App Clinical Immu	1	Su	instructor's approval
MLT	2950 App Clin Microbio	3	Su	instructor's approval
MLT	2960 Special Topics	1	Su	instructor's approval

SAMPLE SCHEDULE

FALL SEMESTER		
BIOL	1170	4
W/BIOL	1180 (LAB)	
CHEM	1110	4
CHEM	1130	1
MATH	1010	4
MLT	1010	2
TOTAL		**15**

2ND FALL SEMESTER		
MLT	1620	1
MLT	2300	3
MLT	2500	5
MLT	2700	3
MLT	2850	2
TOTAL		**14**

SUMMER TERM (CLINICALS)		
MLT	2900	3
MLT	2910	1
MLT	2920	3
MLT	2930	3
MLT	2940	1
MLT	2950	3
MLT	2960	1
TOTAL		**15**

SPRING SEMESTER		
BIOL	2100	4
W/BIOL	2110 (LAB)	
CHEM	1120	4
CHEM	1140	1
LE	1220	3
	OR	
PSY	1500	3
COM	1010	3
TOTAL		**18**

2ND SPRING SEMESETER		
ENGL	1010	3
MLT	2200	4
MLT	2310	2
MLT	2400	4
TOTAL		**13**

METAL

SEE **METAL FABRICATION AND JOINTING TECHNOLOGY** AND **SHEET METAL JATC TECHNOLOGY** UNDER **APPRENTICESHIPS**. > > >

MILLWRIGHTS JATC TECHNOLOGY APPRENTICESHIP

SEE **APPRENTICESHIPS**. > > >

MUSIC

SEE ALSO **FINE ARTS**. > > >

South City Campus (801) 957-4130
General Information (801) 957-4073
Academic Advisor (801) 957-4016

Associate Professor: Helen Stringham
Assistant Professors: Lyle Archibald, Craig Ferrin.

THE PROGRAM
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 guitar, piano and voice as well as performing experience in auditioned and nonauditioned ensembles.

The Music Department faculty supports high standards in music education; they encourage and mentor individual students to attain their highest potential.

PREREQUISITES
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.

BOOKS AND SUPPLIES

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.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

(minimum 60 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1030	Quant Reas	3	A	MATH 1010 or approp CPT score
	OR				
MATH	1040	Statistics	3	A	MATH 1010 or approp CPT score
	OR				
MATH	1050	College Algebra	4	A	MATH 1010 or approp CPT score
AMERICAN INSTITUTIONS (3 CREDITS)					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS

HLA	____		1	A	none

STUDENT CHOICE (2-3 CREDITS)

COMPUTER COMPETENCY

DISTRIBUTION AREAS

Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
MUS	0990	Recital Attend	0	A	none
*MUS	1010	Intro to Music	3	A	none
MUS	1110	Group Piano I	1	F, Sp	none
MUS	1120	Group Piano II	1	Sp	MUS 1110
**MUS	1370	Concert Choir	1	F, Sp	audition
	OR				
**MUS	1380	Chamber Singers	1	F, Sp	audition
MUS	1560	Music Theory I	3	F	w/MUS 1561
MUS	1561	SS and Ear I	1	F	w/MUS 1560
MUS	1570	Music Theory II	3	Sp	MUS 1560, w/MUS 1571
MUS	1571	SS and Ear II	1	Sp	MUS 1561, w/MUS 1570
MUS	2500	Bas Conducting	2	Sp	MUS 1570
MUS	2560	Music Theory III	3	F	MUS 1570, w/MUS 2561
MUS	2561	SS and Ear III	1	F	MUS 1571, w/MUS 2560
MUS	2570	Music Theory IV	3	Sp	MUS 2560, w/MUS 2571
MUS	2571	SS and Ear IV	1	Sp	MUS 2561, w/MUS 2570

*MUS 1010 may be used to fulfill General Education Fine Arts requirement or students may select an additional General Education course in the Fine Arts category.

**One of these courses must be taken each semester for four semesters (four credits.)

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
MUS	0990	0	MUS	0990	0
MUS	1010	3	MUS	1120	1
MUS	1110	1	MUS	1370	1
MUS	1370	1		**OR**	
	OR		MUS	1380	1
MUS	1380	1	MUS	1570	3
MUS	1560	3	MUS	1571	1
MUS	1561	1	HLA		1
ENGL	1010	3	DITRIBUTION		6
AMER INSTITUTIONS		3	STUDENT CHOICE		2-3
TOTAL		**15**	**TOTAL**		**15-16**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
MUS	0990	0	MUS	0990	0
MUS	1370	1	MUS	1370	1
	OR			OR	
MUS	1380	1	MUS	1380	1
MUS	2560	3	MUS	2500	2
MUS	2561	1	MUS	2570	3
DISTRIBUTION		6	MUS	2571	1
QUANT LITERACY		3-4	ENGL	2010	3
TOTAL		**14-15**	DISTRIBUTION		6
			TOTAL		**16**

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

DEPARTMENTAL OFFERINGS

COURSE			CR	SEM	PREREQUISITES
MUS	0990	Recital Attend	0	A	none
MUS	1010	Intro to Music	3	A	none
MUS	1090	Bridging the Arts	3	A	none
MUS	1050	Songwriting I	2	F, Sp	none
MUS	1060	Songwriting II	2	Sp	MUS 1050
MUS	1090	Bridging the Arts	3	A	none
MUS	1100	Intro to Piano	2	F	none
MUS	1110	Group Piano I	1	F, Sp	none
MUS	1120	Group Piano II	1	Sp	MUS 1110
MUS	1210	Music in Hist I	3	F	none
MUS	1220	Music in Hist II	3	Sp	none
MUS	1310	Group Voice I	2	A	none
MUS	1350	College Chorale	1	F, Sp	none
MUS	1360	College Chorale	0	F, Sp	none
MUS	1370	Concert Choir	1	F, Sp	audition
MUS	1380	Chamber Singers	1	F, Sp	audition
MUS	1390	South City Jazz	1	F, Sp	audition
MUS	1450	Bruin Band	1	TBA	none
MUS	1460	Chamber Ensm	1	F, Sp	audition
MUS	1470	Jazz Band	1	F, Sp	none
MUS	1480	Guitar Ensembl	1	F, Sp	audition
MUS	1550	Intro Mus Theory	2	F, Sp	none
MUS	1560	Music Theory I	3	F	w/MUS 1561
MUS	1561	SS and Ear I	1	F	w/MUS 1560
MUS	1570	Music Theory II	3	Sp	MUS 1560, w/MUS 1571
MUS	1571	SS and Ear II	1	Sp	MUS 1561, w/MUS 1570
MUS	1610	Group Guitar I	2	A	none
MUS	1620	Group Guitar II	2	F, Sp	MUS 1610
MUS	1660	Frtbrd Theory I	2	F	none
MUS	1670	Frtbrd Theory II	2	Sp	MUS 1660
MUS	1710	Priv Guitar Inst	1	F, Sp	none
MUS	1730	Private Piano	1	A	approval
MUS	1750	Private Voice	1	F, Sp	none
MUS	1900	Special Projects	1-2	F, Sp	approval
MUS	2500	Bas Conducting	2	Sp	MUS 1570
MUS	2560	Music Theory III	3	F	MUS 1570, w/MUS 2561
MUS	2561	SS and Ear III	1	F	MUS 1571, w/MUS 2560
MUS	2570	Music Theory IV	3	Sp	MUS 2560, w/MUS 2571
MUS	2571	SS and Ear IV	1	Sp	MUS 2561, w/MUS 2570
MUS	2900	Special Topics	1-3	TBA	none
MUS	2990	Perf Arts Connct	2	Sp	approval

NETWORK ADMINISTRATOR (MCSA)

SEE **SKILLS CENTER**. > > >

NETWORK ENGINEER (MCSE)

SEE **SKILLS CENTER**, FOUND ELSEWHERE IN THIS CATALOG. > > >

NON-DESTRUCTIVE TESTING TECHNOLOGY

Estimated cost of books and supplies for program $350

Automotive Trades Building 206 (801) 957-4143
General Information (801) 957-4073
Academic Advisor CT 210 (801) 957-4550

Instructor: Mark J. Sabolik

THE PROGRAM

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, radio-graphy, 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, mag-netic 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.

Placement services are provided by the College.

Any course offered in this program can be taken as part of the vocational/technical electives for an associate of science degree in general studies.

General education and elective courses provide training in effective oral and written communication, human relations skills, communication skills and team building.

PREPARATION NOTE

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.

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.

CLASS AVAILABILITY

Students should check the semester class schedule for day/evening availability and modifications caused by varying enrollment.

ASSOCIATE OF APPLIED SCIENCE DEGREE IN NON-DESTRUCTIVE TESTING TECHNOLOGY

(minimum 64 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
IND	1120	Mth for Ind	3	A	none
	OR				
MATH	1030	Quant Reas	3	A	MATH 1010
COMMUNICATION					
COM	1010	Elem Effct Com	3	A	none
HUMAN RELATIONS					
LE	1220	Human Relation	3	A	none

DISTRIBUTION AREAS

Choose an additional three credits from one of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ENGL	2100	Technical Wrtng	3	A	ENGL 1010
IND	1120	Mth for Industry	3	F, Sp	none
NDT	1110	Intro to NDT	3	TBA	none
NDT	1114	Ultrasonics I	3	TBA	w/IND 1120
NDT	1115	Ultrasonics I Lb	1	TBA	w/NDT 1114
NDT	1120	Magnetic Parti I	2	TBA	w/NDT 1121
NDT	1121	Mgnetic Part I L	1	TBA	w/ NDT 1120
NDT	1122	Eddy Current I	3	TBA	IND 1120, w/NDT 1123
NDT	1123	Eddy CurrI Lab	1	TBA	w/NDT 1122
NDT	1130	Radiogrphy Saf	3	TBA	IND 1120
NDT	1132	Radiography I	3	TBA	NDT 1130, IND 1120, w/NDT 1133
NDT	1133	Radiography I L	1	TBA	w/NDT 1132
NDT	1210	Liquid I	2	TBA	w/NDT 1211
NDT	1211	Liquid Pntrnt I L	1	TBA	w/NDT 1210
NDT	1213	Ultrasonics II	3	TBA	NDT 1114, NDT 1115, w/NDT 1214
NDT	1214	Ultrasonics II Lb	1	TBA	w/NDT 1213
NDT	1222	Eddy Current II	2	TBA	NDT 1122, NDT 1123, w/NDT 1223
NDT	1223	Eddy Curr II Lab	1	TBA	w/NDT 1222
NDT	1230	Codes & Proced	2	TBA	instructor's approval
NDT	1232	Radiography II	3	TBA	NDT 1132, NDT 1133, w/NDT 1233
NDT	1233	Radiography II L	1	TBA	w/NDT 1232
NDT	1234	Adv NDT Concp	3	TBA	approval
WLD	1005	Related Welding	3	A	none
WLD	1260	Blueprnt Wldng	3	F	none

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
COM	1010	3	ENGL	1010	3
LE	1220	3	IND	1120	3
TOTAL		**16**		**OR**	
			MATH	1030	3
2ND FALL SEMESTER			**TOTAL**		**17**
NDT	1210	2			
NDT	1211	1	**2ND SPRING SEMESTER**		
NDT	1213	3	NDT	1222	2
NDT	1214	1	NDT	1223	1
NDT	1230	2	NDT	1232	3
WLD	1005	3	NDT	1233	1
WLD	1260	3	NDT	1234	3
ENGL	2100	3	DISTRIBUTION		3
TOTAL		**18**	**TOTAL**		**13**

NURSE ASSISTANT (CERTIFIED)

SEE **SKILLS CENTER**, FOUND ELSEWHERE IN THIS CATALOG. > > >

NURSING

Estimated cost of books and supplies and fees
Books per year $1,000
Graduation Fees 35 NCLEX Fees (per level) 200 Liability Insurance (per semester) 20

Including Practical Nurse Option
Advanced Placement LPN-RN Option
www.slcc.edu/tech/commhealth/nursing

General Information (801) 957-4073
Division of Health Sciences (801) 957-4933
Academic Advising, SC 230 (801) 957-4073
Advising Appointment (801) 957-4978
Enrollment Services: SC220 J (801) 957-4163

Program Director: Betty Damask-Bembenek.
Associate Professors: Georgia Anderson, Joyce Barra, Susan Labasky, Donna Thompson.
Assistant Professors: Peggy Stevens, Marlene Bacon
Instructors: Beverly Anderson, Jennifer Barnes, Paula Braun, Mary Burch, Mary Holter, Barbara Rhynsburger, Michelle Smeltzer, Harry Wesche.

THE PROGRAM

The nursing program is a two-year curriculum. Successful completion entitles the student to an Associate of Applied Science degree. Graduates may then complete the NCLEX exam for licensure as a registered nurse. Completing the AS degree requirements outlined under **HEALTH SCIENCES** will enable the student to transfer to a four-year institution for completion of a Bachelor of Science degree in nursing. Contact an academic advisor for additional information.

Registered nurses function in a variety of roles--provider of care and manager of care in various health care settings including acute care, long term care, and community settings. As a member of this discipline of nursing, registered nurses practice within the scope of practice as outline in the Utah Nurse Practice Act.

Salt Lake Community College Associate of Applied Science is approved by the Utah State Board of Nursing and accredited by the National League for Nursing Accrediting Commission, NLNAC, 61 Broadway, 33rd Floor, New York, NY 10006, (212) 363-5555, ext. 153, 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.

Students with a history of a misdemeanor or felony involving moral turpitude may not be eligible for state licensure. Questions should be directed to the Utah State Department of Occupational and Professional Licensing.

The Program offers a "spin-off" course at the completion of the first year. This is for students who choose to exit or are unable to complete the two-year program. Students completing their first year may take the N-CLEX for practical nursing licensure by equivalency.

PREREQUISITES

It is the student's responsibility to examine each course description for details of prerequisite classes. Those prerequisite classes must be satisfied before the designated class may be taken.

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.

ADMISSION PROCESS

The following admission criteria must be met before the applicant will be accepted into the program.

1. Be admitted through the SLCC Enrollment Services (SC 220) as matriculated student declaring a major in Health Science with an emphasis in pre-nursing.

2. High School graduate or equivalent Submit OFFICIAL, SEALED transcripts for ALL colleges and universities where prerequisites course work has been completed. Send to Enrollment Services, SC 220 (see Note below)

3. General education courses and program requirement core prerequisites as follows (all must be completed with a C+ or better):

   a. MATH 1020: Math for Health Disciplines (This math course meets the general education requirements for AAS degree nursing students. Students seeking an AS degree or transferring for BSN completiOns will require additional math classes)
   b. BIOL 1170/1180: Foundations of Biology and Lab
   c. BIOL 2050/2060 Human Anatomy and Lab
   d. BIOL 2100/2110 Human Physiology and Lab
   e. CHEM 1110/1130 Elementary Chemistry and Lab.

4. Submit Nursing Program application. Current applications are available in Enrollment Services, SC 220. Students will receive a letter indicating acceptance into the Nursing program if the student has successfully completed requirements 1-4.

5. Students are encouraged to complete support courses prior to beginning the nursing program, including PSY 1500, HLTH 1020, and ENGL 1010.

6. Students accepted into the nursing program must meet the same health and safety requirements as the participating clinical facilities require of their own employees. These requirements are current during the entire program. Documentation for the following is required prior to the first day of class for NSG 1350:

   a. CPR Current Course (Health Care Provider)
   b. Tetanus immunization
   c. MMR (Measles, Mumps, Rubella) immunization

d. Negative Tuberculosis (TB) skin test*
e. Hepta-vax (Hepatitis B) series
f. Students may be required to submit to a criminal background check and drug testing. The expenses of these requirements are additional student costs.

*Students who have a positive TB skin test must provide a negative TB chest x-ray.

SPECIAL NOTE FOR TRANSFER STUDENTS:
Transcripts from other colleges or universities must be official (sealed and sent by the issuing institution) and must be sent directly to:

SLCC ENROLLMENT SERVICES
4600 SOUTH REDWOOD ROAD
P.O. BOX 30808
SALT LAKE CITY, UTAH 84130-0808

ASSOCIATE OF APPLIED SCIENCE DEGREE IN NURSING

(minimum 72 hours required)

This section outlines the general education requirements for the Associate of Applied Science (AAS). In addition to the credits outlined below, students will need to complete additional credits in their academic program to graduate with an AAS degree.

ADMISSION PREREQUISITES
The following courses must be completed before beginning the nursing program. Courses must be completed with a C+ or better.

COURSE			CR	SEM	PREREQUISITES
BIOL	1170	Foundations of Biol	4	A	w/BIOL 1180 (Lab)
BIOL	2050	Human Anat	4	A	BIOL 1170 or BIOL 1210, w/BIOL 2060 (Lab)
MATH	1020	Math f/Hlth Discp	3	A	MATH 0920 or MATH 0950 or appropriate CPT score
BIOL	2100	Human Physlgy	4	A	BIOL 1170 or BIOL 1210 w/BIOL 2110 (Lab)
CHEM	1110	Elem Chemistry	4	A	MATH 1010 or equiv, concurrent w/CHEM 1130
CHEM	1130	Elem Chem Lab	1	A	Concurrent w/CHEM 1110

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
*MATH	1020	Math for Health	3	A	MATH 0920 or MATH 0950 or appropriate CPT score

*Transferring students may challenge MATH 1020. Students also may challenge MATH 1010 or take the CPT examination to meet the prerequisites for MATH 1040 or MATH 1050

COMMUNICATION
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
Human relations training is embedded within the nursing curriculum. Human needs and interpersonal relationships are constant with each patient/nurse relationship and is threaded throughout the nursing curriculum.

DISTRIBUTION AREAS
Required distribution hours are fulfilled by completing the following courses, required for the Nursing AAS:

COURSE			CR	SEM	PREREQUISITES
BIOL	1170	Foundations of Biol	4	A	w/BIOL 1180 (Lab)
BIOL	2050	Human Anat	4	A	BIOL 1170 or BIOL 1210, w/BIOL 2060 (Lab)
BIOL	2100	Human Physlgy	4	A	BIOL 1170 or BIOL 1210 w/BIOL 2110 (Lab)
CHEM	1110	Elem Chemistry	4	A	MATH 1010 or equiv, concurrent w/CHEM 1130
CHEM	1130	Elem Chem Lab	1	A	Concurrent w/CHEM 1110

*Meets SLCC distribution requirements

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
BIOL	2050	Human Anat	4	A	BIOL 1170 or BIOL 1210, w/BIOL 2060 (Lab)
BIOL	2100	Human Physlgy	4	A	BIOL 1170 or BIOL 1210 w/BIOL 2110 (Lab)
CHEM	1110	Elem Chemistry	4	A	MATH 1010 or equiv, concurrent w/CHEM 1130
CHEM	1130	Elem Chem Lab	1	A	Concurrent w/CHEM 1110
HLTH	1020	Fndtns of Nutritn	3	A	none
NSG	1250	Pharmacology I	2	F, Sp	admission to the program
NSG	1350	Fndamntals of Nsg	8	F, Sp	BIOL 1170, BIOL 1180, BIOL 2050 and BIOL 2060
NSG	1400	Maternal/Newborn	3	F, Sp	NSG 1250, NSG 1350 and NSG 2900
NSG	1500	Nsg Care of Childr	3	A	NSG 1350
NSG	1700	Med/Surg Nsg	5	F, Sp	NSG 1350
NSG	2200	Adv Med/Srg T	6	F, Sp	Completion of first year
NSG	2250	Pharmacology II	1	F, Sp	NSG 1250
NSG	2300	Commnty Nsg	3	F, Sp	NSG 2200
NSG	2400	High Acuity Nsg	3	F, Sp	NSG 2200
NSG	2500	Mgmt,Trnds,Issues	2	F, Sp	NSG 2200
NSG	2600	Mental Heatlh Nsg	3	F, Sp	NSG 2200
NSG	2900	Pathophysiology	4	F, Sp	BIOL 2050, BIOL 2060, BIOL 2100, BIOL 2110
PSY	1500	Hmn Growth/Dev	3	A	none

SPIN-OFF COURSE

(OFFERS EQUIVALENCY FOR PRACTICAL NURSING)

COURSE			CR	SEM	PREREQUISITES
*NSG	1800	Transition to PN	3	A	Completion of First Year

*Required for students planning to take PN Licensure Exam

TRANSITIONAL COURSE FOR ADVANCED PLACEMENT STUDENTS (IF APPLICABLE)

**NSG	1900	Trans to Nsg AAS	1	F, Sp	Current LPN competency exam

**Required for Advanced Placement Students.

SAMPLE SCHEDULE

ADMISSION PREREQUISITES		
MATH	1020	3
BIOL	1170	4
W/BIOL	1180 (LAB)	
BIOL	2050	4
W/BIOL	2060 (LAB)	
TOTAL		**11**

NURSING COURSE PREREQUISITES		
BIOL	2100	4
W/BIOL	2110 (LAB)	
CHEM	1110	4
CHEM	1130	1
TOTAL		**9**

FIRST NSG SEMESTER		
NSG	1250	2
NSG	1350	8
NSG	2900	4
PSY	1500	3
TOTAL		**17**

SECOND NSG SEMESTER		
NSG	1400	3
NSG	1500	3
NSG	1700	5
HLTH	1020	3
TOTAL		**14**

FIRST YEAR NURSING COMPETENCY EXAM

THIRD NSG SEMESTER		
NSG	2200	6
NSG	2250	1
NSG	2500	2
ENGL	1010	3
TOTAL		**12**

FOURTH NSG SEMESTER		
NSG	2300	3
NSG	2400	3
NSG	2600	3
TOTAL		**9**

SECOND YEAR NURSING COMPETENCY EXAM

To maintain a position in the program after starting nursing courses, students must be continually enrolled and complete all core nursing classes 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.

Standardized Test Fee (per year)	$30
Student Picture ID	5
Nursing Picture (optional)	50
Uniform	25
Nursing supplies	100

ADVANCED PLACEMENT IN NURSING

The program also offers an Advanced Placement option. This is for students who have completed a practical nursing program and are eligible for licensure as a practical nurse in Utah, or already have a license.

ADMISSION PROCESS FOR ADVANCED PLACEMENT

Students seeking admission into the advancement placement program must meet the following requirements:

1. PN graduation requirements including general education and science support classes.

2. Demonstrate competency in specified areas by satisfactory score on standard exam.

3. Graduation from a state approved practical nursing program. SLCC retains the right to re-evaluate or retest students coming from non-NLNAC accredited programs. Official transcripts from all colleges or universities are sent directly to Enrollment Services, SC220. Transfer credits calculated only from complete courses in which a grade was received, not on course-in-progress.

4. Current LPN License (original not copy) Final acceptance into the Nursing program is subject to completing additional criteria as follows:

5. Students may be required to submit to a criminal background check and drug testing. The expenses of these requirements are additional student costs.

Application forms to nursing are available in SLCC Enrollment Services (SC220). Applicants must submit ALL documentation verifying qualifications, with the exception of a reference letter, with the application. Enrollment is limited and determined by available clinical instruction sites.

OCCUPATIONAL THERAPY ASSISTANT

Estimated cost of books for prgram	$800
Liability Insurance fee per year	20
Lab fee per semester (Semester I, II, II only)	50
National Certification Exam	395
Licensing and exam	115

Lifetime Activities Center 234 (801) 957-4894, (801) 957-4314
General Program Information (801) 957-4163
Academic Advisor SC 240 (801) 957-4407

Instructors: Kathy Bruner, Brenda Lyman.

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.

This program is accredited by the Accreditation Council for 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. 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 involving moral turpitude may not be eligible for state licensure and should contact the program coordinator before enrolling in classes.

Work settings such as 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 employ COTAs. Specialty areas of practice can be pursued by the graduate which may include pediatrics, geriatrics, physical dysfunction, psychiatry and assistive technology. COTAs work under the direction of licensed, occupational therapists.

CLASS AVAILABILITY

Program classes must be completed in sequence before registering for the next semester's OTA courses. Fieldwork I must be completed concurrently and registered for in sequence. All academic course work and Fieldwork I must be satisfactorily completed before registering for Fieldwork II. Fieldwork experiences will be assigned by the program faculty. Fieldwork II will take place during semester IV as a full time externship.

PREPARATION NOTE

Students accepted into the occupational therapy assistant program must meet the same health and safety requirements that the participating facilities require of their own employees. These requirements include training and immunizations that must be completed on or before the first day of classes fall semester. They are:

1. Current, basic first aid training.

2. CPR Certification for adults and children.

3. Required Immunizations
   a. Tetanus
   b. MMR (Measles, Mumps, Rubella)
   c. Negative tuberculosis skin test or chest x-ray if positive.
   d. Hepta-vax (Hepatitis B) - series of 3 injections over a six month period.

4. Criminal background check.

5. A student may refuse any of the immunizations by signing waiver and release forms but in so doing may limit clinical opportunities.

GENERAL COLLEGE ADMISSION
A student seeking admission to the occupational therapy assistant program must first be admitted through Enrollment Services as a matriculated student with a major of health sciences by doing the following:

1. Submit "Application for Admission as a Matriculated Student"

2. Pay general College application fee.

3. Complete ACT or CPT (placement test). This test may be waived at the discretion of Enrollment Services on the basis of previous college coursework.

4. Official sealed transcripts must be submitted from ALL colleges/universities where the student has completed prerequisite coursework for application to the program.

SPECIAL NOTE FOR TRANSFER STUDENTS:
Transcripts from other colleges or universities submitted with application are subject to the following policies:

A. Transcripts must be official (sealed and sent by the issuing institution) and must be sent directly to Enrollment Services.

B. Transfer credits and course grades are considered only on completed courses in which grades are received, not on course-in-progress.

OCCUPATIONAL THERAPY ASSISTANT PROGRAM ADMISSION

1. High school graduation or equivalent.

2. BIOL 1110 (Introduction to Anatomy and Physiology) with minimum grade of B within the past five years.

3. Math Qualifications (one of the following)
   a. CPT 43 college math score within one year;
   b. ACT 22 math score within one year; or
   c. MATH 1010 with C or better

4. English Qualifications (one of the following)
   a. AP English credit - must be listed on SLCC transcript;
   b. CLEP English credit - must be listed on SLCC transcript; or
   c. ENGL 1010 - Introduction to Writing with a Cor better

5. Separate application to the occupational therapy assistant program, available from Enrollment Services.

6. COM 1010, OTA 1020 and PSY 1500.

APPLICANTS WILL BE NOTIFIED BY MAIL OF THEIR ADMISSION STATUS.

7. New students begin once a year in the fall.

PREREQUISITES
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.

CLASS AVAILABILITY
The semesters in which courses are taught are listed below. Students should check the class schedule for availability and modifications caused by varying enrollment.

ASSOCIATE OF APPLIED SCIENCE DEGREE IN OCCUPATIONAL THERAPY ASSISTANT

(minimum 73 hours required, includes prerequisites.)

ADMISSION PREREQUISITES WITH MINIMUM GRADE OF B BEFORE ENTERING THE PROGRAM:

COURSE			CR	SEM	PREREQUISITES
BIOL	1110	Anatomy/Physgy	3	A	none
OTA	1020	Intro to OT	2	A	none

REQUIRED TO COMPLETE THESE BEFORE GRADUATION

COURSE			CR	SEM	PREREQUISITES
COM	1010	Elem Effct Com	3	A	none
ENGL	1010	Intro to Writing	3	A	pre-test
MATH	1010	Algebra	4	A	MATH 0970
PSY	1500	Hu Grwth/Dev	3	A	none

RECOMMENDED BUT NOT REQUIRED

COURSE			CR	SEM	PREREQUISITES
MA	1100	Med Term	2	F, Sp	none

MAJOR COURSE REQUIREMENTS (ADMISSION INTO THE OTA PROGRAM REQUIRED)

COURSE			CR	SEM	PREREQUISITES
OTA	1100	Functional Anat	4	F	OTA 1020
OTA	1110	Pathophysiology	2	F	OTA 1020
OTA	1120	OT Modlts I Lec	2	F	OTA 1020
OTA	1130	OT Modlts I Lab	1	F	OTA 1020
OTA	1140	Phy Dysfun Lec	3	F	OTA 1020
OTA	1150	Phy Dysfun Lab	1	F	OTA 1020
OTA	1170	PD Fldwk Exp	2	F	OTA 1020
OTA	1210	OT Profess Iss I	2	Sp	OTA 1170
OTA	1220	OT Modlts II Lec	2	Sp	OTA 1120
OTA	1230	OT Modlts II Lb	1	Sp	OTA 1130
OTA	1240	Physical Dysfunc II	3	A	OTA 1100, OTA 1110, w/OTA 1250
OTA	1250	Phys Dysfunc II Lab	1	A	OTA 1100, OTA 1110, w/OTA 1240
OTA	1270	Ped FldwrkExper	2	Sp	OTA 1170
OTA	1280	Ped/Adol Lec	3	Sp	OTA 1100, OTA 1110
OTA	1290	Ped/Adol Lab	1	Sp	OTA 1100, OTA 1110
OTA	2310	OT Prof Issues II	2	F	OTA 1210
OTA	2320	Modalities III Lec	2	F	OTA 1120, OTA 1220
OTA	2330	Modalites III Lab	1	F	OTA 1130, OTA 1230
OTA	2340	Psych Behavior	3	F	OTA 1140
OTA	2350	Geriatrics	3	F	OTA 1140, OTA 1240
OTA	2380	Psy/Ger Fldwrk	2	F	OTA 1170, OTA 1270
OTA	2450	Fldwrk Exp II Pt1	6	Sp	OTA 1170, OTA 1270, OTA 2380
OTA	2460	Fldwrk Exp II Pt2	6	Sp	OTA 1170, OTA 1270, OTA 2380

OPTIONAL

OTA	2960	OT & PT in Wrkplc	2	Sp	Instructor's approval
OTA	2990	Special Topics	2	Sp, Su	Instructor's approval

SAMPLE SCHEDULE

PREREQUISITES		
BIOL	1110	3
COM	1010	3
ENGL	1010	3
MATH	1010	4
PSY	1500	3
OTA	1020	2
TOTAL		**18**

FALL SEMESTER			SPRING SEMESTER		
OTA	1100	4	OTA	1210	2
OTA	1110	2	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
TOTAL		**15**	OTA	1290	1
			TOTAL		**15**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
OTA	2310	2	OTA	2450	6
OTA	2320	2	OTA	2460	6
OTA	2330	1	**TOTAL**		**12**
OTA	2340	3			
OTA	2350	3			
OTA	2380	2			
TOTAL		**13**			

OFFICE CLERK

SEE **SKILLS CENTER**. > > >

OPERATING

SEE **SURGICAL TECHNICIAN**. > > >

OPERATING ENGINEERS TECHNOLOGY APPRENTICESHIP

SEE **APPRENTICESHIPS**. > > >

PARAEDUCATION

Estimated cost of books per semester $175

Miller Campus
Academic Programs at Miller Campus (801) 957-5200
Academic Advisor (801) 957-6066

FACULTY

Paraeducation courses are taught by a combination of faculty members from the departments of pre-teacher education and family and human studies and qualified adjunct instructors familiar with the education of students at risk.

THE PROGRAM

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.

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 advisor to determine appropriate elective and general education course work.

Students who do not desire to transfer and/or obtain an associate degree can obtain a certificate of completion through Continuing Education. To obtain the certificate, students will be required to complete the core courses with a grade of C or better. All students desiring to obtain a certificate of completion should contact the number above prior to enrollment.

This program qualifies for requirements of the Federal "No Child Left Behind" Act.

PREREQUISITES

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.

ELECTIVES

Elective hours should be taken from the courses listed below. Students should select electives based on personal interest as well as the requirements for elementary education or special education in the institutions to which they will transfer. Students should consult with an advisor to determine appropriate elective course work.

CLASS AVAILABILITY

The semesters in which courses are taught are listed below. Students should check the semester class schedule for day/evening availability, EDNET availability and other modifications to the semester class schedule.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

(minimum 62-63 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1030	Quant Reas	3	A	MATH 1010
	OR				
*MATH	1050	College Algebra	4	A	MATH 1010

*MATH 1050 needed for Elementary Education at Utah State University, Weber State University and University of Utah.

AMERICAN INSTITUTIONS (3 CREDITS)					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS					
HLA	____		1	A	none
STUDENT CHOICE (2-3 CREDITS)					
COMPUTER COMPETENCY					
DISTRIBUTION AREAS					
COMPLETE THE FOLLOWING DISTRIBUTION COURSES:					
BIOL	1010	Intro to Biol	3	A	w/BIOL 1020
HLTH	1500	Lifetime Wellness	3	A	none
CHEM	1010	Intro Chemistry	3	A	none
	OR				
PHY	1010	Intro to Physics	3	A	MATH 1010
SOC	1010	Int to Sociology	3	A	none

Choose an additional three credit hours from each of the following distribution areas:

Fine Arts	3	A	none
Humanities	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS (18 CREDITS)

COURSE			CR	SEM	PREREQUISITES
EDU	2600	Intro to Spcl Ed	3	Sp	none
FHS	1500	Human Develop	3	A	none
	OR				
PSY	1500	Hu Grwth/Devlp	3	A	none
PED	1010	Intro Paraedctn	3	F, Sp	none
PED	1500	Behav Observ	2	F	PED 1010
PED	2150	Exp w/Stud Rsk	3	Sp	PED 1010
PED	2160	Practicum-Int Ex	1	Sp	w/PED 2150
SOC	2630	Race/Ethnic Rel	3	F, Sp	SOC 1010

ELECTIVES (10 CREDITS)

CJ	2360	Juvenile Law	3	F,Sp	CJ 1010
EDU	2020	Orien to Elm Ed	3	F, Sp	none
FHS	2400	Marage Fam Rel	3	A	none
FHS	2610	Child Guidance	3	F, Sp	w/FHS 0010
FHS	2500	Chld Brth to 8	3	F, Sp	FHS 2600, FHS 1500, w/FHS 0010
FHS	2550	Infnt Grwth Dev	2	Sp	FHS 1500
FHS	2570	Grwth Dev 6-12	2	Sp	FHS 1500
FHS	2640	Wrkng w/Parnts	2	F	none
LANG	____	(Any Language)	5	A	none
LE	1240	Tutor Certificatn	1	A	none
MA	1100	Med Termnlogy	2	A	none
MATH	2010	Math Elm Tch I	3	F, Sp	MATH 1030 or MATH 1050
MATH	2020	Math Elm Tch II	3	Sp, Su	MATH 1030 or MATH 1050
PED	2000	Health Issues	2	Sp	none
PED	2990	Special Topics	1-3	A	Instructor's approval

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ENGL	1010	3	ENGL	2010	3
HLTH	1500	3	FHS	1500	3
SOC	1010	3		OR	
AMER INSTITUTIONS		3	PSY	1500	3
DISTRIUTION		3	MATH	1030	3
TOTAL		15		OR	
			MATH	1050	4
			HLA		1
			PED	1010	3
			ELECTIVES		3
			TOTAL		16-17

2ND FALL SEMESTER			2ND SPRING SEMESTER		
PED	1500	2	BIOL	1010	3
SOC	2630	3	EDU	2600	3
CHEM	1010	3	PED	2150	3
	OR		PED	2160	1
PHY	1010	3	STUDENT CHOICE		3
DISTRIBUTION		3	ELECTIVE		3
ELECTIVES		4	TOTAL		16
TOTAL		15			

CERTIFICATE/PARAEDUCATION

(minimum 18 hours required) (C or better grade in all courses)

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
EDU	2600	Intro to Spcl Ed	3	Sp	none
FHS	1500	Human Develop	3	A	none
	OR				
PSY	1500	Hu Grwth/Devlp	3	A	none
PED	1010	Intro Paraedctn	3	F,Sp	none
PED	1500	Behav. Observ	2	F	PED 1010
PED	2150	Exp. W/Stud Rsk	3	Sp	PED 1010
PED	2160	Practicum Int Ex	1	Sp	w/PED 2150
SOC	2630	Race/Ethnic Rel	3	F, Sp	SOC 1010

PARALEGAL STUDIES

Estimated cost of books and supplies per semester $250 to $300

Business Building 105 (801) 957-4325
General Information (801) 957-4073
Academic Advisor BB 132A (801) 957-4323
Advising Appointments (801) 957-4300

Assistant Professor: Richard Uday
Instructor: KC Jensen

THE PROGRAM

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.

This program is designed for those considering employment as a paralegal who wish to update their professional development or for those already in the field.

Students who are interested in pursuing courses leading to a Bachelor's degree in paralegal studies should consult the Business Advisor, Business Building, room 132A or (801) 957-4323.

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.

GRADE REQUIREMENTS

Students earning a grade lower than a C in major course requirements must repeat the class. The following courses require a B- or higher: PLS 1010, PLS 1030, PLS 1050 and PLS 1120.

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.

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.

ELECTIVE OPTION

Cooperative Education is the College's program for recognizing and rewarding new learning associated with study-related employment in a business, indus-trial 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.

CLASS AVAILABILITY

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.

ASSOCIATE OF APPLIED SCIENCE DEGREE IN PARALEGAL STUDIES

(minimum 66-69 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
FIN	1380	Financial Math	3	A	MATH 0970 or CPT
COMMUNICATION					
BUS	2010	Bus Communication	3	A	ENGL 1010
HUMAN RELATIONS					
MKTG	1960	Prof in Business	3	A	none

DISTRIBUTION AREAS

Choose an additional six credit hours from two of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

Interdisciplinary: except BUS 1050, FIN 1050, MKTG 1050.
See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
*PLS	1010	Intro Legal Sys	3	A	none
PLS	1020	Intro Civil Lit	3	A	none
*PLS	1030	Int Lgl Rsch/Wrt	3	A	ENGL 1010
*PLS	1050	Lgl Rsch/Wrtg II	3	A	PLS 1020, PLS 1030
PLS	1070	Crim Law & Prc	3	A	none
*PLS	1120	Paralegal Proc I	3	A	none
PLS	1180	Evidence	3	F, Sp	PLS 1070
PLS	2010	Comp Ess Para	3	A	none
PLS	2090	Paralegal Practicum	3	A	PLS 1010, PLS 1030, PLS 1050, PLS 1120, PLS 2010
PLS	2190	Ethics	3	A	12 hours of PLS classes
PLS	2000	CO-OP	3-6	A	PLS 1050
	OR				
PLS	2200	Legal Portfolio	3	Sp	All writing courses
PLS	____	Electives	15		

*Must be completed with B- or higher, all others C or better.

PPROGRAM ELECTIVES (15 CREDITS)

CJ	2360	Juvenile Law	3	F,Sp	CJ 1010
MA	1100	Medical Term	2	A	none
MGT	2050	Legal Env of Bus	3	A	BUS 1050
MGT	2080	Employment Law	3	A	BUS 1050
PLS	1080	Contracts	3	F, Sp	none
PLS	1100	Bankruptcy & Coll	3	F	none
PLS	1110	Wills, Prob/Est	3	Sp	none
PLS	1130	Admin Law	3	F	none
PLS	1140	Environ Law	3	F	none
PLS	1170	Family Law	3	F, Su	none
PLS	1190	Constitutional Law	3	Su	none
PLS	1300	Torts	3	F, Sp	none
PLS	1530	Real Estate Law	3	Sp	none
PLS	2000	CO-OP	3-6	A	PLS 2050
PLS	2050	Lgl Rsch/Wrt III	3	A	PLS 1050
PLS	2070	Mediation	3	F	variable
PLS	2200	Legal Portfolio	3	Sp	All writing courses
PLS	2250	Securities	3	F	PLS 1010
PLS	2260	Hollywood &theLaw	3	Su	variable
PLS	2990	Special Studies	1-3	TBA	variable

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ENGL	1010	3	MKTG	1960	3
FIN	1380	3	PLS	1030	3
PLS	1010	3	PLS	1070	3
PLS	1020	3	PLS	2010	3
PLS	1120	3	PLS ELECTIVES		6
TOTAL		**15**	**TOTAL**		**18**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
BUS	2010	3	PLS	2000	3-6
PLS	1050	3		**OR**	
PLS	1180	3	PLS	2200	3
PLS ELECTIVES		6	PLS	2090	3
TOTAL		**15**	PLS	2190	3
			DISTRIBUTION		6
			ELECTIVES		3
			TOTAL		**18-21**

PEACE OFFICER

SEE **CONTINUING EDUCATION**. > > >

PERSONAL INTEREST

SEE **CONTINUING EDUCATION**. > > >

PHARMACY TECHNICIAN

SEE **CONTINUING EDUCATION**. > > >

PHYSICAL THERAPIST ASSISTANT

Estimated cost of books and supplies for program	$600
Liability insurance per year	20
Lab fees per year	50
Licensing fees	450

Lifetime Activities Center 222
General Information (801) 957-4073
Program Information (801) 957-4054
Academic Advisor, SC 240 (801) 957-4407
Enrollment Services, SC 220J; (801) 957-4163

Associate Professors: Ken Freeman, Diana Ploeger

THE PROGRAM

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 3.5 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, at this time, graduation from an accredited program is required. It is highly recommended that individuals sit for the national examination.

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, ex-

tended 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.

GENERAL COLLEGE ADMISSION

Students seeking admission to the Physical Therapist Assistant program must first be admitted through Enrollment Services as a matriculated student with a major of Health Science by completing the following:

1. Submit SLCC "Application for Admission as a Matriculated Student."

2. Pay general College application fee.

3. Submit ACT or complete CPT (placement test). This test may be waived by Enrollment Services on the basis of previous college coursework.

NOTE: SLCC does not have minimum required test scores for admission; however, SLCC Mathematics and English departments have mandatory placement policies which require that students enroll in the Math and English classes indicated by their test scores.

PHYSICAL THERAPIST ASSISTANT ADMISSION CRITERIA

In addition to the above requirements, those seeking admission to the Physical Therapist Assistant program must meet the following admission criteria. Applicants are accepted into the program in order of their qualifying date (the date upon which all prerequisite requirements have been met and all materials submitted to the Health Sciences Enrollment Services Technician) and if necessary, placed on a waiting list to begin the technical program. Applicants will be notified by mail of their acceptance into the technical program.

1. Submit separate "Health Science Division Application For Admission", available in the Enrollment Services or the Health Sciences Office, indicating an intended major of Physical Therapist Assistant.

2. Document high school graduation or equivalent.

3. Complete the following prerequisites to determine qualifying date:

   a. Qualification in Math by completing one of the following:

      1) CPT 43 College Math score (within one year);
      2) ACT 22 Math score (within one year); or
      3) MATH 1010 (Intermediate Algebra) with C or better.

   b. Qualification in English:
      1) AP English credit--must be listed on SLCC transcript;
      2) CLEP English credit--must be listed on SLCC transcript; or
      ENGL 1010 with C grade or better--must be listed on SLCC transcript.

   c. Completion of BIOL 2050/2060 (Human Anatomy Lec ture and Lab) with B grade or better within the past five years.

4. Complete the following prerequisite course with a B grade or better before starting the technical portion of this program. This course should be taken at the same time as courses listed in #3 above.

   PTA 1010 - Introduction to Physical Therapy

5. Complete the following prerequisite courses with C grades or better before starting the technical portion of the program:

   PTA 1500 - Practice Issues for the PTA
   PSY 1500 - Human Growth and Development

6. If any of the above coursework was completed at another college or university, applicant must provide official, sealed transcript from each institution.

SPECIAL NOTE FOR TRANSFER STUDENTS

Transcripts from other colleges or universities submitted with application are subject to the following policies:

1. Transcripts must be official, therefore sealed and sent by the issuing institution directly to the SLCC Enrollment Services.

2. Transfer credits and course grades are considered only on completed courses in which grades are received, not on courses-in-progress.

PREPARATION NOTE

Students accepted into the technical program must meet the same health and safety requirements the participating clinical facilities require of their own employees. These requirements must be current during the entire program. Documentation of completion of the following health and safety requirements must be submitted prior to the first day of class for PTA 2100:

1. CPR Certification (Health Care Provider)

2. Tetanus immunizations (current within 10 years)

3. MMR (Measles, mumps, rubella) immunizations

4. Negative tuberculosis (TB) test

5. Hepta-vax (Hepatitis B) series

PREREQUISITES

It is the student's responsibility to examine course descriptions for details of prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken. Successful completion of all prerequisite classes is required before admission to the program.

CLASS AVAILABILITY

There is open enrollment for PTA 1000 level courses; PTA 2000 level courses will be limited to students accepted into the physical therapist assistant technical program.

To retain a position in the technical program, students must complete the tech-nical curriculum in the order outlined and receive a C grade or better in each required class.

ASSOCIATE OF APPLIED SCIENCE DEGREE IN PHYSICAL THERAPIST ASSISTANT

(minimum 70 hours required)

COMMUNICATION

The philosophy of 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

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.

ADMISSION PREREQUISITE WITH MINIMUM GRADE OF C:

COURSE			CR	SEM	PREREQUISITES
ENGL	1010	Intro to Writing	3	A	pre-test
MATH	1010	Algebra	4	A	MATH 0970

ADMISSION PREREQUISITE WITH MINIMUM GRADE OF B:

COURSE			CR	SEM	PREREQUISITES
BIOL	2050	Hu Anatomy	4	A	BIOL 1170 or BIOL 1210, w/BIOL 2060 (Lab)

COURSES REQUIRED TO BE COMPLETED BEFORE STARTING TECHNICAL PROGRAM WITH C GRADE:

COURSE			CR	SEM	PREREQUISITES
PSY	1500	Hu Growth Dev	3	A	none
PTA	1500	Iss for PTA	3	Sp, Su	PTA 1010

COURSE REQUIRED TO BE COMPLETED BEFORE STARTING TECHNICAL PROGRAM WITH B GRADE:

COURSE			CR	SEM	PREREQUISITES
PTA	1010	Intro to PT	2	F, Sp	none

MAJOR COURSE REQUIREMENTS (MINIMUM 51 HOURS REQUIRED)

COURSE			CR	SEM	PREREQUISITES
PTA	2010	Funct Anatomy	4	F	PTA 1500
PTA	2030	Pathophysiology	2	F	admission
PTA	2100	Patient Care Skl	2	F	admission
PTA	2110	Pt Care Skills Lab	1	F	admission
PTA	2200	Ther Modal	2	F	admission
PTA	2210	Ther Modal Lab	2	F	admission
PTA	2300	Princ Ther Exer	2	Sp	PTA 2010, PTA 2030, PTA 2100
PTA	2310	Princ Ther Ex Lb	2	Sp	PTA 2010, PTA 2030, PTA 2110
PTA	2350	Cln Assess	2	Sp	PTA 2010, PTA 2100
PTA	2360	Cln Asses Lab	2	Sp	PTA 2010, PTA 2100
PTA	2400	Musculo Dis	2	Sp	PTA 2030, PTA 2100, PTA 2200
PTA	2410	Musculo Dis Lab	1	Sp	PTA 2030, PTA 2110, PTA 2210
PTA	2450	Neurological Dis	2	Su	PTA 2030, PTA 2110, PTA 2210
PTA	2460	Neuro Dis Lab	2	Su	PTA 2030, PTA 2310, PTA 2360
PTA	2510	PT Spec Clin	2	Sp	PTA 2010, PTA 2100, PTA 2200
PTA	2520	PT Spec Clin Lab	1	Sp	PTA 2010, PTA 2110, PTA 2210
PTA	2530	Gerontology	1	Su	PTA 2030, PTA 2300
PTA	2550	Rehab Psych	2	Su	PTA 2300, PTA 2400, PTA 2600
PTA	2600	Clincal Exper I	2	Sp	PTA 2030, PTA 2100, PTA 2200
PTA	2650	Clinical Exper II	2	Su	PTA 2400, PTA 2600
PTA	2700	Clinical Affil	12	F	PTA 2450, PTA 2600, PTA 2650
PTA	2750	Seminar PTAs	1	F	PTA 2550, PTA 2450

ELECTIVES

PTA	2850	Spec Top PTAs	2	F, Sp	approval
PTA	2950	Sports PT	2	F	approval
PTA	2960	PT/OT inWorkPlace	2	Sp	acceptance into program

SAMPLE SCHEDULE

FALL SEMESTER		
ENGL	1010	3
MATH	1010	4
BIOL	1170	4
W/BIOL 1180 (LAB)		
PTA	1010	2
TOTAL		**13**

2ND FALL SEMESTER		
PTA	2010	4
PTA	2030	2
PTA	2100	2
PTA	2110	1
PTA	2200	2
PTA	2210	2
TOTAL		**13**

SUMMER TERM		
PTA	2450	2
PTA	2460	2
PTA	2530	1
PTA	2550	2
PTA	2650	2
TOTAL		**9**

SPRING SEMESTER		
PSY	1500	3
BIOL	2050	4
W/BIOL 2060 (LAB)		
PTA	1500	3
TOTAL		**10**

2ND SPRING SEMESTER		
PTA	2300	2
PTA	2310	2
PTA	2350	2
PTA	2360	2
PTA	2400	2
PTA	2410	1
PTA	2510	2
PTA	2520	1
PTA	2600	2
TOTAL		**16**

3RD FALL SEMESTER		
PTA	2700	12
PTA	2750	1
TOTAL		**13**

PHYSICAL EDUCATION (PE)

SEE **HEALTH AND LIFETIME ACTIVITIES**. > > >

PHYSICS

Science and Industry Building 345 (801) 957-4150
General Information (801) 957-4073

Professor: Irina Nelson
Instructor: Trina VanAusdal, Val Finlayson

THE PROGRAM

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 then engineers); and
3. A three-semester series of calculus-based physics for engineering students.

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.

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.

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.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

(minimum 64 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1210	Calculus I	4	A	MATH 1060
AMERICAN INSTITUTIONS (3 CREDITS)					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS

HLA	____		1	A	none

STUDENT CHOICE (2-3 CREDITS)

COMPUTER COMPETENCY

DISTRIBUTION AREAS

Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CHEM	1210	General Chem	4	F, Sp	MATH 1050
CHEM	1230	Gen Chem Lab	1	F, Sp	w/CHEM 1210
MATH	1220	Calculus II	4	A	MATH 1210
MATH	2210	Multivar Calc	3	A	MATH 1220
MATH	2250	Dif Equa Lin Alg	3	A	MATH 1220
PHY	2210	Engin Physic I	4	A	MATH 1210, w/ PHY 2230
PHY	2220	Engin Phys II	4	A	MATH 1220, PHY 2210, w/ PHY 2240
PHY	2230	Engin Physic Lb	1	A	w/PHY 2210
PHY	2240	Engin Phys Lab	1	A	w/PHY 2220
PHY	2710	Phys Sci/Engin	3	Sp	MATH 2210, MATH 2250, PHY 2220, PHY 2240 w/PHY 2720
PHY	2720	Phy Sci/Eng Lb	1	Sp	w/PHY 2710

SAMPLE SCHEDULE

FALL SEMESTER		
CHEM	1210	4
CHEM	1230	1
ENGL	1010	3
MATH	1210	4
DISTRIBUTION		3
TOTAL		**15**

2ND FALL SEMESTER		
COM	1010	3
ENGL	2010	3
MATH	2210	3
HLA		1
PHY	2220	4
PHY	2240	1
DISTRIBUTION		3
TOTAL		**18**

SPRING SEMESTER		
MATH	1220	4
PHY	2210	4
PHY	2230	1
DISTRIBUTION		6
TOTAL		**15**

2ND SPRING SEMESTER		
MATH	2250	3
PHY	2710	3
PHY	2720	1
AMER INSTITUTIONS		3
DISTRIBUTION		6
TOTAL		**16**

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

DEPARTMENTAL OFFERINGS

COURSE			CR	SEM	PREREQUISITES
PHY	1010	Elemenatry Phys	3	A	none
PHY	1270	Concept Astron	3	A	none
PHY	2010	Mechs/Ht/Wvs	4	A	MATH 1060, w/PHY 2030
PHY	2020	Elctrcty/Magtsm	4	A	PHY 2010, w/PHY 2040
PHY	2030	Physics Lab I	1	A	w/PHY 2010
PHY	2040	Physics Lab II	1	A	w/PHY 2020
PHY	2210	Engin Physic I	4	A	MATH 1210, w/PHY 2230
PHY	2220	Engin Phys II	4	A	PHY 2210, w/PHY 2240
PHY	2230	Engin Physic Lb	1	A	w/PHY 2210
PHY	2240	Engin Phys Lab	1	A	w/PHY 2220
PHY	2710	Phys Sci/Engin	3	Sp	MATH 2210, MATH 2250, PHY 2220, PHY 2240, w/PHY 2720
PHY	2720	Phy Sci/Eng Lb	1	Sp	w/PHY 2710

PLUMBING

SEE **APPRENTICESHIPS**. > > >

POLITICAL SCIENCE

South City Campus N109 - (801) 957-4130
General Information (801) 957-4073
Academic Advisor (801) 957-3361

Associate Professor: Shari Sowards
Assistant Professor: Joshua Gold, David Hubert

THE PROGRAM

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.

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.

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.

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.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

(minimum 61-62 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1050	College Algebra	4	A	MATH 1010
	OR				
MATH	1090	College Alg f/Bus	3	A	MATH 1010
AMERICAN INSTITUTIONS (3 CREDITS)					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS

HLA	____		1	A	none

STUDENT CHOICE (2-3 CREDITS)

COMPUTER COMPETENCY

DISTRIBUTION AREAS

Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
REQUIRED COURSES					
POLI	1020	Political Ideology	3	F, Sp	none
POLI	1100	US Govt&Politics	3	A	none

Students may use POLI 1020 and POLI 1100 to fill major course requirements or general education requirements, but not both. If these courses are used to fulfill general education requirements, complete 15 credit hours of Political Science courses from the following:

POLITICAL SCIENCE ELECTIVES

SELECT 9-15 CREDITS FROM THE FOLLOWING:

COURSE			CR	SEM	PREREQUISITES
POLI	1110	State/Local Gov	3	Sp	none
POLI	1900	Special Studies	1-2	F, Sp	instructor's approval
POLI	2000	Internship	2-4	TBA	instructor's approval
POLI	2020	Leg Decision Mk	2	Sp	none
POLI	2100	Intro Intl Politics	3	TBA	none
POLI	2160	Politics in Actn	2	TBA	none
POLI	2200	Comp Politics	3	TBA	none
POLI	2900	Special Topics	1-3	TBA	instructor's approval
POLI	2950	Leadership	2	F	none
POLI	2960	Leadership	2	Sp	none

ELECTIVES (12 HOURS)

Complete 12 credits from any college level courses numbered 1000 or above.

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ENGL	1010	3	ENGL	2010	3
MATH	1050	4	POLI	1020	3
	OR		POLI ELECTIVE		3
MATH	1090	3	DISTRIBUTION		3
HLA		1	AMER INSTITUTIONS		3
POLI	1100	3	**TOTAL**		**15**
DISTRIBUTION		3			
STUDENT CHOICE		2-3			
TOTAL		**16-17**			

2ND FALL SEMESTER		2ND SPRING SEMESTER	
POLI ELECTIVE	3	POLI ELECTIVE	3
DISTRIBUTION	6	DISTRIBUTION	6
ELECTIVES	6	ELECTIVES	6
TOTAL	**15**	**TOTAL**	**15**

POLICE OFFICER

SEE **CONTINUING EDUCATION**. > > >

PRE-PROFESSIONAL

General Information (801) 957-4073
Science and Industry Building 345 - (801) 957-4150

THE PROGRAM
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 and physician assistant.

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 or physical science. Students should consult an academic advisor to determine which AS degree is best suited to their needs.

PREPARATION NOTE
Students who need to take preparatory classes to meet requirements of first-semester courses should plan extra time to complete the program.

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.

CLASS AVAILABILITY
Semesters in which courses are taught are listed below. Students should check the semester class schedule for day/evening availability and modification due to varying enrollment.

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 can include: BIOL 1170/BIOL 1180 or BIOL 1210/BIOL 1220, BIOL 2050/BIOL 2060, BIOL 2100/BIOL 2110, BIOL 2140/ BIOL 2150

CHEMISTRY
Two academic years with related labs, which include: CHEM 1210/CHEM 1230, CHEM 1220/CHEM 1240, CHEM 2310/CHEM 2330, CHEM 2320/CHEM 2340

ENGLISH/COMMUNICATION
Six semester hours which can include: ENGL 1010, ENGL 2010, COM 1010 or COM 1200

HUMANITIES AND/OR SOCIAL SCIENCES
Fifteen semester hours

PHYSICS
PHY 2210/PHY 2230 and PHY 2220/PHY 2240
OR
PHY 2010/PHY 2030 and PHY 2020/PHY 2040

PSYCHOLOGY
PSY 1010

ELECTIVES
As needed to equal 90 semester hours

PRE-DENTISTRY/PRE-MEDICINE

BIOLOGY
One or more academic years (cell biology strongly recommended), to include: BIOL 1210/BIOL 1220, BIOL 2050/BIOL 2060 or BIOL 2030/BIOL 2035.

CHEMISTRY
Two academic years with related labs which include: CHEM 1210/CHEM1230, CHEM 1220/CHEM 1240, CHEM 2310/CHEM 2330, CHEM 2320/CHEM2340

ENGLISH/COMMUNICATION
One academic year of composition and/or speech which includes: ENGL 1010, ENGL 2010 or COM 1200

HUMANITIES
One course

MATHEMATICS
MATH 1050, MATH 1060
(Most dental and medical schools favor a full year of calculus): MATH 1210, MATH 1220

PHYSICS
One academic year with related labs which include (choose one of the following):
PHY 2210/PHY 2230 and PHY 2220/PHY 2240
OR
PHY 2010/PHY 2030 and PHY 2020/PHY 2040

SOCIAL SCIENCE
One course

Generally the completion of a bachelor's degree is desirable before entrance into dental or medical school.

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.

PRE-OCCUPATIONAL THERAPY

BIOLOGY
BIOL 1170/BIOL 1180 or BIOL 1210/BIOL 1220, BIOL 2050/BIOL 2060, BIOL 2100/BIOL 2110

PHYSICS
PHYS 2010/PHYS 2030

STATISTICS
PSY 2500 or SOC 2120 (available as upper division at U of U)*

TECHNICAL WRITING
ENGL 2100 (available as upper division at U of U)*

ANTHROPOLOGY
ANTH 1010 or ANTH 2010

PSYCHOLOGY
PSY 1500 or FHS 1500, PSY 2300
(available as upper division at U of U)*

SOCIOLOGY OR HEALTH
SOC 1010 or SOC 1020 or SOC 2150 or SOC 2680 or HLTH 1050

MEDICAL TERMINOLOGY
MA 1100

KINESIOLOGY
HLTH 2200 (recommended; not required)

MATHEMATICS
MATH 1060 (recommended; not required)

*A minimum of 13 credits of upper division coursework is required before entering U of U's Occupational Therapy Program.

PRE-PHARMACY

BIOLOGY
BIOL1210/BIOL1220, BIOL2050/BIOL2060, BIOL2100/BIOL 2110

CHEMISTRY
Two academic years with related labs which include: CHEM 1210/CHEM1230, CHEM 1220/CHEM 1240 CHEM 2310/CHEM 2330, CHEM 2320/CHEM2340

ENGLISH
ENGL 1010, ENGL 2010

MATHEMATICS
MATH 1050, MATH 1060, MATH 1210, MATH 1220

PHYSICS
One academic year with related labs which include: PHY 2210/PHY 2230, PHY 2220/PHY 2240

Students are expected to have completed all of their general education requirements before applying to the professional program.

PRE-PHYSICAL THERAPY

BIOLOGY
BIOL 1170/BIOL 1180 or BIOL 1210/BIOL 1220, BIOL 2050/BIOL 2060, BIOL 2100/BIOL 2110

CHEMISTRY
CHEM 1110/CHEM1130, CHEM 1120/CHEM 1140

ENGLISH
ENGL 1010, ENGL 2010 or ENGL 2100

MATHEMATICS
MATH 1050, MATH 1060 or MATH 1210

PHYSICS
PHY 2010/PHY 2030 and PHY 2020/PHY 2040

PSYCHOLOGY
PSY 1010, PSY 2300 (available as upper division at U of U)*

*A minimum of 8-9 credits of upper division coursework is required before entering the U of U's Physical Therapy Program.

PRE-TEACHER EDUCATION

Estimated cost of books and supplies per semester $350 to $450

Eccles ECD Lab School (801) 957-4826
General Information (801) 957-4073
Academic Advisor (801) 957-6066

Professor: Dale Smith
Instructors: Janet Brohm, Beth Rodriguez.

THE PROGRAM

The pre-teacher 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 get the hands-on experience necessary to be accepted into the professional core of courses offered at the university level. Course work will satisfy the general education requirements for the first two years of a bachelor's degree in elementary, early childhood or special education.

Specific requirements leading to a bachelor's degree in education differ between the four-year higher education institutions. To tailor a program specific to student needs, meet with an academic advisor or consult with a faculty member prior to registering for courses.

GENERAL INFORMATION

Most elementary education programs now require students to choose an area of specialization (minor) to complete a four-year degree. Students planning to major in elementary education can take many content specific courses at SLCC which fulfill requirements for a specialization. Students should consult with an academic advisor or with faculty, select an area of specialization and identify content courses which will transfer and apply toward requirements.

Special education students planning to get a special education endorsement should prepare for elementary or secondary education degrees and minor in or select special education as their area of specialization. SLCC has a paraeducation program which meets all the requirements for a minor or specialization in special education and elementary education at selected four-year institutions.

Secondary education students seeking a secondary teaching license must pursue a major and minor in specific content areas, but may transfer education courses offered through this program as articulated with the four-year institution they plan to attend. AS and AA degrees in a variety of content areas fill the requirements for secondary teaching majors and minors.

Most four-year teaching programs now require a portfolio and documentation of a variety of volunteer experiences before being admitted to the program. The education courses are designed to help students construct a portfolio and acquire the field experience necessary to qualify them for admission to a teaching program.

PREREQUISITES

It is the responsibility of the student to examine each course description to determine if prerequisite classes are required. Prerequisites must be satisfied before a class may be taken.

TRANSFER NOTES FOR ELECTIVES

Students should select electives based on the institution to which they intend to transfer. Electives beyond those listed above may be selected with approval from faculty or advisor. The required and recommended courses for Elemen-tary Education by institution are listed below. Note: Information is subject to change. Students should obtain program information for their transfer school and consult with an advisor when selecting courses.

UNIVERSITY OF UTAH
ENGL 2720, one ETHS course, MATH 2010 & 2020 (with a B or etter) (see articulation sheet for stipulations), and one additional physical science beyond the one in general education required (see articulation sheet for options.)

UTAH STATE UNIVERSITY
HLTH 1500 or FHS 1320, MATH 2010 and 2020, THE 2520, 12 credits of an emphasis area required (see program outline for options.) Optional, but recommended: ENGL 2720; FHS 2610.

WEBER STATE UNIVERSITY
ENGL 2720, MATH 2010 & 2020, THE 2520 or ART 1020, HLA 2620, and FHS 1320, 18 credits of concentration area required (see program outline for options.)

UTAH VALEY STATE COLLEGE
EDU 2600, ENGL 2720, HLTH 1500, MATH 2010 and 2020 required. Optional, but recommended: THE 2520; FHS 2570.

SOUTHERN UTAH STATE UNIVERSITY
PSY 1010, EDU 2600, 15+ credits of concentration area or minor required (see program outline for options.)

DIXIE COLLEGE
ENGL 2720 or THE 2520, EDU 2600, SOC 2630, and 8 semester credits of foreign language (or equivalent) required.

WESTMINSTER COLLEGE
Students transferring to Westminster in Elementary Education should see advising for selection of both general education and major related courses.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

(minimum 63 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	pre-test
QUANTITATIVE LITERACY					
MATH	1050	College Algebra	4	A	MATH 1010
AMERICAN INSTITUTIONS (3 CREDITS)					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS					
HLA	____		1	A	none
STUDENT CHOICE (2-3 CREDITS)					
COM	1010	Elem Effct Com	3	A	none
	OR				
*COM	1200	Speech	3	A	none

*COM 1200 is required for WSU and Westminster.

COMPUTER COMPETENCY

DISTRIBUTION AREAS
Choose an additional three credit hours from each of the following distribution areas:

*Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

*Most Elementary Education programs require lab. BIOL 1010/1020 or BIOL 1170/1180 recommended.
See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
EDU	1950	Field Experience	1-3	F, Sp	none
EDU	2020	Orien to Elm Ed	3	F, Sp	none
FHS	1500	Human Devlop	3	A	none

ELECTIVES (21 CREDITS; SEE TRANSFER NOTES BELOW)

EDU	1400	Study of Disabilts	3	A	none
EDU	2000	CO-OP	1-2	F, Sp	FHS 1500, EDU 2020
EDU	2600	Intro Special Ed	3	Sp	none
ENGL	1200	Intro Linguistics	3	Sp	ENGL 1010
ENGL	2720	Children's Liter	3	Sp	ENGL 1010
ETHS	2500	Native American	3	F	none
ETHS	2580	Asian American	3	F	none
ETHS	2660	African Amer	3	Sp	none
ETHS	2670	Mexican Amer	3	Sp	none
FHS	2610	Child Guidance	3	F, Sp	w/FHS 0010
*MATH	2010	Mth Elem Tech I	3	F, Sp	MATH 1050
*MATH	2020	Mth Elm Tech II	3	Sp, Su	MATH 2010
HLA	2620	PE Elem School	2	Sp	none
THE	2520	Creative Drama	2	A	none

NOTE: Students should check with academic advisor to make sure they select the appropriate math course.

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
EDU	2020	3	FHS	2610	3
ENGL	1010	3		**OR**	
FHS	1500	3	EDU ELECTIVE		3
EDU ELECTIVE		3	EDU	1950	1-3
AMER INSTITUTIONS		3	MATH	1050	4
DISTRIBUTION		3	DISTRIBUTION		6
TOTAL		**18**	**TOTAL**		**14-16**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
COM	1010	3	MATH	2020	3
MATH	2010	3		**OR**	
EDU ELECTIVE		3	EDU ELECTIVE		3
EDU ELECTIVE		3	EDU	2600	3
	OR			**OR**	
ENGL	1200	3	EDU ELECTIVE		3
ENGL	2010	3	HLA		1
DISTRIBUTION		6	DISTRIBUTION		3
TOTAL		**18**	**TOTAL**		**13**

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

PROFESSIONAL TRUCK DRIVING

SEE **SKILLS CENTER**. > > >

PROJECTS WITH INDUSTRY

SEE **SKILLS CENTER**. > > >

PSYCHOLOGY

General Information (801) 957-4073
South City Campus N115A (801) 957-4130
Academic Advisor (801) 957-3361

Professor: Spencer Adams.
Associate Professors: Larry R. Christensen, Drusilla D. Glascoe.
Assistant Professors: Katerina Calderone, Lora L. Harpster.
Instructors: Harry Hughes, Howard Ingle.

THE PROGRAM
Students are advised to check with the department or an academic advisor to determine which psychology courses are transferable to other colleges within the Utah System of Higher Education. 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 proposed AS degree in psychology.

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. Faculty may deny enrollment if prerequisites have not been met.

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.

CLASS AVAILABILITY
The semester in which courses are taught are listed within the course descriptions. Students should check the semester class schedule for the day/evening availability and modifications caused by varying enrollment.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

(minimum 61 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1030	Quant Reas	3	A	MATH 1010
	OR				
MATH	1040	Statistics	3	A	MATH 1010
AMERICAN INSTITUTIONS (3 CREDITS)					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none
INSTITUTIONAL REQUIREMENTS					
LIFELONG WELLNESS					
HLA	____		1	A	none
STUDENT CHOICE (2-3 CREDITS)					
COMPUTER COMPETENCY					

DISTRIBUTION AREAS
Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
REQUIRED COURSE					
PSY	1010	Gen Psychology	3	A	none

Students may use PSY 1010 to fill a Major Course Requirement or a General Education Distribution Area in Social Science, but not both. If PSY 1010 is used to fill the Social Science Requirement, select another Psychology course from the following:

COMPLETE 12 CREDITS FROM THE FOLLOWING:

PSY	1500	Human Growth	3	A	none
PSY	2200	Soc Psychology	3	F, Sp	PSY 1010 or SOC 1010, ENGL 1010
PSY	2250	Personality Thry	3	TBA	ENGL 1010, PSY 1010
PSY	2300	Abnormal Psych	3	TBA	ENGL 1010, PSY 1010
PSY	2500	Statistical Meth	3	TBA	PSY 1010
PSY	2650	Research Meth	3	TBA	PSY 1010, PSY 2500
PSY	2900	Special Topics	1-3	TBA	PSY 1010 and instructor's approval

ELECTIVES (12 CREDITS)

Complete 12 credits from the following or any college level course numbered 1000 or above.

PSY	1400	Prsnl Grwth Dev	3	A	none
PSY	1900	Special Studies	1-2	A	PSY 1010
PSY	2000	CO-OP Intern	2-4	A	PSY 1010
PSY	2400	Eco-Psychology	3	A	PSY 1010
PSY	2710	Brain and Behavior	3	F, Sp	PSY 1010

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ENGL	1010	3	ENGL	2010	3
MATH	1030	3	DISTRIBUTION		6
	OR		STUDENT CHOICE		3
MATH	1040	3	PSY COURSE		3
AMER INSTITUTIONS		3	**TOTAL**		**15**
PSY	1010	3			
ELECTIVE		3			
TOTAL		**15**			

2ND FALL SEMESTER		2ND SPRING SEMESTER	
DISTRIBUTION	6	DISTRIBUTION	6
PSY COURSES	6	PSY COURSE	3
ELECTIVE	3	ELECTIVES	6
HLA	1	**TOTAL**	**15**
TOTAL	**16**		

DEPARTMENTAL OFFERINGS

COURSE			CR	SEM	PREREQUISITES
PSY	1010	Gen Psychology	3	A	none
PSY	1400	Prsnl Grwth Dev	3	A	none
PSY	1500	Human Growth	3	A	none
PSY	1900	Special Studies	1-2	TBA	PSY 1010
PSY	2000	CO-OP Intern	2-4	TBA	2nd year
PSY	2200	Soc Psychology	3	F, Sp	PSY 1010 or SOC 1010, ENGL 1010
PSY	2250	Personality Thry	3	TBA	ENGL 1010, PSY 1010
PSY	2300	Abnormal Psych	3	TBA	ENGL 1010, PSY 1010
PSY	2370	Gender Roles	3	F, Sp	none
PSY	2400	Eco-Psychology	3	A	PSY 1010
PSY	2500	Statistical Meth	3	TBA	PSY 1010
PSY	2650	Research Meth	3	TBA	PSY 1010, PSY 2500
PSY	2710	Brain & Behavior	3	F, Sp	PSY 1010
PSY	2900	Special Topics	1-3	TBA	PSY 1010 and approval

PUBLIC SAFETY

SEE **CONTINUING EDUCATION**. > > >

RADIOLOGIC TECHNOLOGY

Estimated costs per program	
Books	$500
Liability Insurance	$ 20
Lab fees (per year)	$ 20
Lab costs (per year)	$ 75
Licensing exams	$170
Vaccinations	$140

Health Sciences Department, LAC 234 (801) 957-4517
General Information (801) 957-4073
Academic Advisor (801) 957-4407
Enrollment Services SC 258 (801) 957-4163

Associate Professor: Lisa Wood

THE MISSION

The misson of the Radiologic Technology Program is to provide students with the knowledge and skills necessary to competently and safely perform procedures required of an entry level Radiologic Technologist and deliver an optimal level of patient care. The program will provide students with the knowledge to utilize problem solving, critical thinking and effective communication skills during the performance of medical imaging procedures and prepare students to practice within the profession's legal and ethical boundaries. The student will be able to utilize this knowledge to successfully pass the national examination for radiographers (American Registry of Radiologic Technology, ARRT) and secure employment in the Radiology field or pursue further education within 6 months of graduation. As an introduction to the field of Radiologic Technology, RADS 1010 is open to all students.

The Radiology Program will provide all qualified students who meet the established minimum criteria, the opportunity to complete an excellent educational program in Radiologic Technology. The program offers a balance of instruction in radiology courses and clinical experiences that assist in the development of clinical skills required for professional practice. Clinical experiences will be offered in diverse environments with current technological advances. The program will guide students to achieve their educational goal of becoming a radiographer and encourage personal and professional growth. The program has developed and will maintain mutually rewarding relationships within the community that benefit the students and the medical institutions.

THE PROGRAM

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.

The Associate of Applied Acience degree in radiologic technology leads to a national certification and state licensure. The program offers students theoretical and clinical experiences to learn skills of an entry-level radiographer. Radiology courses are taught at South City Campus and clinical education occurs at local health care facilities. Students can complete general education classes at any SLCC location.

The program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). Graduates are eligible

to take the American Registry of Radiologic Technology (ARRT) examination in Radiography. Also, after completing two semesters in the program, many students take the ARRT limited examination in Radiography. Program requires four consecutive semesters and one summer term of full-time day commitment with an average weekly involvement of 35 hours.

General education and elective courses provide training in effective oral and written communication. COM 1010 is taught using group and team activities in the learning process to develop the student's interactive skills. Human relation skills are taught within the Radiology courses.

PREPARATION NOTE

Students accepted into the radiology program must meet the same health and safety requirements that the participating facilities require of their own employees. These requirements must be completed by the first day of RAD 1020. The health and safety requirements of the program are:

CPR Certification - American Heart Association, Modular C, or American Red Cross Health Care. Provider are the only courses accepted. A fee is required.

Required Immunizations
1. Tetanus
2. MMR (Measles, Mumps, Rubella)
3. Negative tuberculosis skin test *
4. Hepta-vax (Hepatitis B) Series of 3 **

* In the event that students have a positive TB skin test, a negative TB chest X-ray is required.

**The series of three hepta-vax immunizations must be taken as follows:
Initial Injection
2nd Injection one month after the first
3rd Injection six months after the first

A student may decide to refuse any of the vaccinations by signing waiver and release forms.

Observation in a radiology department before submitting an application is highly recommended. The student must arrange travel to and from the hospital for the actual student observation, and the student is responsible for any risks associated with the observation. The student should observe the role of the radiographer only and should NOT engage in patient care activities of any kind. For information on observation, and the names of contact personnel at local facilities, call the division office at (801) 957-3255 or 957-3254.

GENERAL COLLEGE ADMISSION

A student seeking admission to the radiologic technology program must first be admitted through the Enrollment Services as a matriculated student with a major of radiologic technology by doing the following:

1. Submit "Application for Admission as a Matriculated Student".

2. Pay general College application fee.

3. Complete ACT or CPT placement test. This test may be waived at the discretion of Enrollment Services on the basis of previous college course work.

NOTE: SLCC does not have minimum required test scores for admission. However, SLCC Math and English departments have mandatory placement policies which require that students enroll in the Math and English classes indicated by their test scores.

RADIOLOGIC TECHNOLOGY PROGRAM ADMISSION CRITERIA

In addition to the above requirements, those seeking admission to the radiologic technology program must meet the following admissions criteria:

Applicants will be accepted into the program in order of their qualifying date (the date upon which all requirements have been met and all materials have been submitted to Enrollment Services.)

1. High school graduate or equivalent

2. BIOL 1170/BIOL 1180 (General Biology lecture and lab) minimum grade of C.

3. BIOL 2050/BIOL 2060 (Human Anatomy lecture and lab) with a minimum grade of B-, taken in the past five years.

4. Math and English qualifications. Copies of qualifying test scores must be submitted with the radiologic technology application.

   Math Qualifications (one of the following)
   a. CPT score: college math 43 within one year;
   b. ACT score: math 22 within one year;
   c. MATH 1010 - Intermediate Algebra C or better

   English qualifications (one of the following)
   a. AP English credit - must be listed on SLCC transcript;
   b. CLEP English credit - must be listed on SLCC transcript;
   c. ENGL 1010 - with a C or better

5. Separate application to the radiologic technology program available in Enrollment Services.

6. Official sealed transcripts must be submitted from all colleges/ universities where student has completed prerequisite course work for application to the program.

Applicants will be notified by mail of their admission status.

Upon successful completion of prerequisite courses and a written notification to the Enrollment Services Office, students will be given a qualifying date and placed on an acceptance list in the order of that date. Students will be offered a position in the program upon availability in order of that date. To retain a position in the program, students must complete the technical curriculum in the order outlined and receive a C grade or better in each required course. To graduate from the program the student must meet the program admission criteria as outlined above, receive a C grade or better in each required radiology course and complete the following general education courses with a C grade or better:

CIS 1020 - Basic Computer Concepts
OR
Demonstrate computer competency
AND
COM 1010 - Elements of Effective Communication

SPECIAL NOTE FOR TRANSFER STUDENTS

Transcripts from other colleges or universities submitted with application are subject to the following policies:

1. Transcripts must be official (sealed and sent by the issuing institution) and must be sent directly to the Enrollment Services

2. Transfer credits and course grades are considered only on completed courses in which grades are received, not on course-in-progress.

3. Students currently enrolled in another radiologic technology program wanting to transfer to SLCC must submit all application materials to the Department Coordinator for evaluation. Decip-

sions regarding admittance will be based on students' progress and enrollment availability.

PREREQUISITES
It is the student's responsibility to examine each course description for details of prerequisite classes. Prerequisites must be satisfied before the designated class may be taken. Successful completion of all prerequisite classes is required before admission to the program.

CLASS AVAILABILITY
Semesters in which courses are taught are listed below. Students should check the class schedule for availability and modifications caused by varying enrollment. Radiology classes are held during the day, two days per week and clinical education experiences are held during the day, three days per week.

NOTE: RADS 1010 IS OPEN TO ALL STUDENTS.

ASSOCIATE OF APPLIED SCIENCE DEGREE IN RADIOLOGIC TECHNOLOGY

(minimum 64 hours required)

ADMISSION PREREQUISITE WITH MINIMUM GRADE OF B-

COURSE			CR	SEM	PREREQUISITES
BIOL	2050	Hu Anatomy	4	A	BIOL 1170 or BIOL 1210, w/BIOL 2060 (lab)

ADMISSION PREREQUISITE WITH MINIMUM GRADE OF C

COURSE			CR	SEM	PREREQUISITES
BIOL	1170	Fndations of Biol	4	A	w/BIOL 1180 (lab)
ENGL	1010	Intro to Writing	3	A	pre-test
MATH	1010	Interm Algebra	4	A	MATH 0970
	OR				
MATH	1050	College Algebra	4	A	MATH 1010

MAJOR COURSE REQUIREMENTS
(MINIMUM 56 HOURS REQUIRED)

All courses without the RADS prefix can be taken before starting the radiologic technology program. Students have to be admitted to the program before they can take any radiology course listed below.

COURSE			CR	SEM	PREREQUISITES
RADS	1010	Intro to Rad Tch	2	A	none
RADS	1020	Rad Anat/Proc I	4	F	admission
RADS	1030	Rad Imaging I	2	F	admission
RADS	1040	Clinical Ed I	4	F	admission
RADS	1050	Patient Care	2	F	admission
RADS	1110	Radiation Protec	2	Sp	RADS 1030
RADS	1120	Rad Anat/Proc II	4	Sp	RADS 1020
RADS	1130	Rad Imaging II	4	Sp	RADS 1030
RADS	1140	Clinical Ed II	4	Sp	RADS 1040
RADS	1220	Rad Anat/Pro III	2	Su	RADS 1120
RADS	1240	Clinical Ed III	3	Su	RADS 1140
RADS	2010	Image Analysis	2	F	RADS 1220
RADS	2020	Rad Ana/Pro IV	2	F	RADS 1220
RADS	2030	Rad Imaging III	2	F	RADS 1130
RADS	2040	Clinical Ed IV	4	F	RADS 1240
RADS	2050	Adv Patient Car	2	F	RADS 1050
RADS	2060	Rad/Hlth Phys	2	F	RADS 1110
RADS	2100	Comp Radiolgy	3	Sp	RADS 2010
RADS	2110	Rad Pathology	2	Sp	RADS 2050
RADS	2140	Clinical Ed V	4	Sp	RADS 2040

ELECTIVE (OPTIONAL)

RADS	2120	Sectional Anatomy	2	Sp	RADS 2020

All courses without the RADS prefix can be taken before starting the radiologic technology program. Students have to be admitted to the program before they can take any radiology course listed below.

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
RADS	1010	2	RADS	1110	2
RADS	1020	4	RADS	1120	4
RADS	1030	2	RADS	1130	4
RADS	1040	4	RADS	1140	4
RADS	1050	2	**TOTAL**		**14**
TOTAL		**14**			
			SUMMER TERM		
			RADS	1220	2
			RADS	1240	3
			CIS	1020	3
			TOTAL		**8**
2ND FALL SEMESTER			**2ND SPRING SEMESTER**		
RADS	2010	2	RADS	2100	3
RADS	2020	2	RADS	2110	2
RADS	2030	2	RADS	2120	2
RADS	2040	4	RADS	2140	4
RADS	2050	2	COM	1010	3
RADS	2060	2	**TOTAL**		**14**
TOTAL		**14**			

REAL ESTATE APPRAISAL

SEE **CONTINUING EDUCATION**. > > >

REFRIGERATION JATC TECHNOLOGY APPRENTICESHIP

SEE **APPRENTICESHIPS**. > > >

RESERVE OFFICER TRAINING CORPS (ROTC)

Miller Campus
Continuing Education (801) 957-5200
General Information (801) 957-4073

AEROSPACE STUDIES (AIR FORCE ROTC)

THE COURSEWORK
Aerospace Studies (Air Force ROTC) trains individuals interested in becoming officers in the United States Air Force. The first two years offer academic preparation in interdisciplinary areas, including communication skills, Air Force history, leadership and management principles and practices, decision making theory and policy formulation, ethics and valuing. Excellent scholarship opportunities are available. Air Force ROTC has specific enrollment criteria. Call (801) 581-6236 for clarification.

CLASS AVAILABILITY
The semesters in which courses are taught are listed here and in the course descriptions. Students should check the semester class schedule for day availability (no evening classes) and modifications caused by varying enrollment.

Enrollment is open to men and women who:

1. Are U.S. citizens or applicants for naturalization (non-US citizens may participate in the general military course for academic credit only).

2. Are at least 14 years of age, and

3. Are enrolled as full-time students in a course of study leading to an academic degree.

BOOKS AND SUPPLIES
All necessary ROTC textbooks, uniforms and other essential materials for the basic course are furnished to students at no cost. After completing the basic course, students who have demonstrated the potential to become officers and who have met physical/scholastic standards are eligible to enroll in the advanced course.

MAJOR COURSE REQUIREMENTS

COURSE		CR	SEM	PREREQUISITES
AERO 1010	Found of USAF I	1	F	w/AERO 1110
AERO 1011	Found of USAFII	1	Sp	w/AERO 1111
AERO 1110	Gen Mil Lab I	1	F	w/AERO 1010
AERO 1111	Gen Mil Lab II	1	Sp	w/AERO 1011
AERO 2010	Air Power Hist I	1	F	w/AERO 2110
AERO 2011	Air Power Hist II	1	Sp	w/AERO 2111
AERO 2110	Gen Mil Lab III	0-1	F	w/AERO 2010
AERO 2111	Gen Mil Lab IV	0-1	Sp	w/AERO 2011

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
AERO	1010	1	AERO	1011	1
AERO	1110	1	AERO	1111	1
TOTAL		**2**	**TOTAL**		**2**
2ND FALL SEMESTER			**2ND SPRING SEMESTER**		
AERO	2010	1	AERO	2011	1
AERO	2110	0-1	AERO	2111	0-1
TOTAL		**1-2**	**TOTAL**		**1-2**

MILITARY SCIENCE (ARMY ROTC)

THE PROGRAM
The Army ROTC program teaches applied leadership and management skills to college students who, upon graduation, receive commissions as officers and serve in the U.S. Army, Army National Guard, or Army Reserve.

Army ROTC helps students develop many of the qualities basic to success in the Army or in a civilian career. It gives students a valuable opportunity to build for the future by enabling them to pursue a college degree and an officer's commission at the same time.

Army ROTC has specific enrollment criteria. Call (801) 581-6716 for clarification.

BASIC COURSE
During the first two years of the program, there is no military commitment incurred by students. Only after transferring to a four-year institution are students committed to serve.

ARMY ROTC ADVANCED COURSE
Upon successful completion of the basic course, or its equivalent, students who have demonstrated the potential to become an officer and who have met the required entrance standards may be eligible to enroll in the advanced course. Only after transferring to a four-year institution such as the University of Utah or Weber State University can students apply for entrance into the Army ROTC advanced course. Acceptance into the advanced course obligates the students to a service commitment.

BASIC CAMP
Students who did not take advantage of the basic course opportunity during their first two years of college may qualify for the advanced course by completing a six-week, expenses paid Army ROTC summer camp at Fort Knox, Kentucky. Information on this camp may be obtained by calling the Department of Military Science, University of Utah, (801) 581-6716.

VETERANS
Veterans who meet entrance requirements into the advanced course are not required to take any basic course classes, but should contact the Department of Military Science, University of Utah, (801) 581-6717.

SCHOLARSHIP PROGRAM
Two-and three-year scholarships are available to be used at a four year institution with an Army ROTC program. Information regarding the scholarship program can be obtained by calling the Department of Military Science, University of Utah, (801) 581-6716.

BOOKS AND SUPPLIES
All necessary textbooks and materials for the basic course are furnished to the students. Classes are taught at the University of Utah.

LEADERSHIP LABORATORIES
Attendance at a weekly leadership laboratory is required. Lab fees are payable during the first week of classes directly to the academic department and are used to provide materials, transportation and equipment rental for students.

Enrollment is open to students who are:
1. U.S. citizens or applicants for naturalization; and
2. At least 17 years old.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
MLS	1010	Leadrshp Discvry I	2	F	none
MLS	1020	Leadrshp Discvry II	2	Sp	none
MLS	2010	Ldrshp Challen I	3	F	none
MLS	2020	LdrshpChallenII	3	Sp	none

ELECTIVES

MLS	1060	Phys Readiness	1	F, Sp	none
MLS	2950	Basic Ind Study	2-3	F, Sp	none

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
MLS	1010	2	MLS	1020	2
TOTAL		**2**	**TOTAL**		**2**
2ND FALL SEMESTER			**2ND SPRING SEMESTER**		
MLS	2010	3	MLS	2020	3
TOTAL		**3**	**TOTAL**		**3**

SCIENCE

SEE **BIOLOGY, CHEMISTRY, ENVIRON-MENTAL TECHNOLOGY, GEOSCIENCES AND PHYSICS**. > > >

SHEET METAL JATC TECHNOLOGY APPRENTICESHIP

SEE **APPRENTICESHIPS**. > > >

SMALL BUSINESS DEVELOPMENT

SEE **BUSINESS MANAGEMENT.** SEE ALSO **CONTINUING EDUCATION**. > > >

SMALL EQUIPMENT/ VEHICLE TECHNICIAN

The Small Engine/Vehicle Technician Program is no longer offered as a credit program and will not be enrolling students for the 2004-2005 year.

Small Engine/Vehicle Technician classes are, however, being offered on a non-credit basis. Classes meet Monday through Friday from 8:00 am to 1:00 pm during both the fall and summer semesters. Tuition is a flat fee of $1,250 for each course. The courses currently focus on motorcycles and all-terrain vehicles. The curriculum is also applicable to marine engines, snowmobiles and other small power equipment including lawn and turf maintenance equipment.

Students completing the non-credit courses are eligible to receive a Continuing Education Certificate of Completion, and may also receive specific industry certifications. Contact the program instructor at (801) 699-6615 for information related to specific industry certifications and program details.

A credit-bearing program incorporating elements of the former Small Engine/Vehicle Technician program, tentatively entitled Power Equipment Technology, is being developed pending budget availability, curriculum development, and accompanying approvals.

For more information, contact the administrative offices at 957-3105.

SOCIAL SCIENCE

South City Campus N109 (801) 957-4130
General Information (801) 957-4073
Academic Advisor (801) 957-3361

THE PROGRAM

There are four options under Social Science: History, Political Science, Psychology, and Sociology. See individual program pages under those titles for details on each option.

Students should check with the departments to determine which courses are transferable to other colleges within the Utah System of Higher Education.

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.

CLASS AVAILABILITY

Semesters in which courses are taught are listed here and in the course descriptions. Students should check the semester class schedule for day and evening availability and modifications caused by varying enrollment.

SOCIAL WORK

General Information (801) 957-4073
Academic Advisor (801) 957-3361
South City Campus N109 (801) 957-4130

THE PROGRAM

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.

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. It is important that all students take Psychology 1010 and Sociology 1010 early in the program.

TRANSFERABILITY OF CREDITS

Due to the numerous possibilities, it is suggested that students consult the Program Coordinator 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 Program Coordinator.

CLASS AVAILABILITY

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.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

(minimum 62 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1030	Quantitative Res	3	A	MATH 1010
	OR				
MATH	1040	Statistics	3	A	MATH 1010
AMERICAN INSTITUTIONS (3 CREDITS)					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS					
HLA	____		1	A	none
STUDENT CHOICE (2-3 CREDITS)					
COMPUTER COMPETENCY					

DISTRIBUTION AREAS
Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science (PSY 1010)	3	A	none

See pp. 22-23 for options in each of these categories.

TRANSFER NOTES
These General Requirement courses are required in the Social work programs at the institutions indicated:

WEBER STATE UNIVERSITY
ANTH 1010, BIOL 1110, PSY 1010, SOC 1010.

UNIVERSITY OF UTAH
BIOL 1010, POLI 1100, PSY 1010, SOC 1010.

UTAH STATE UNIVERSITY
ANTH 1010, BIOL 1010, MATH 1040, PSY 1010, SOC 1010.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
SOC	1010	Int to Sociology	3	A	none
SWK	1010	Intro Social Wk	3	Sp	none
SWK	2130	Hu Beh Soc Env	3	A	SWK 1010
SWK	2230	Intro Grp Ther	2	F, Sp	SWK 2130
SWK	2280	Drug/Alch Abus	2	F, Sp	SWK 1010
SWK	2650	Soc Welfare Po	3	A	none
SWK	2720	Mental Health	2	F, Sp	SWK 1010
SWK	2750	Ethics Soc Wk	2	F, Sp	SWK 1010
SWK	2920	1st Yr So Wk Int	2	A	SWK 2130
SWK	2930	2nd Yr So Wk Int	3	F, Sp	SWK 2920
____	____	Elective	3		

ELECTIVES (3 CREDITS)

ETHS	2500	Native American	3	F	none
ETHS	2580	Asian American	3	F	none
ETHS	2660	African Amer	3	Sp	none
ETHS	2670	Mexican Amer	3	Sp	none
SWK	1900	Special Studies	1-2	A	SWK 1010
SWK	2110	Social Wk Resrch	2	TBA	SWK 1010
SWK	2900	Special Topics	1-3	TBA	none

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ENGL	1010	3	ENGL	2010	3
MATH	1030	3	SWK	2130	3
	OR		SWK	2230	2
MATH	1040	3	SWK	2920	2
SWK	1010	3	ELECTIVE		3
SWK	2720	2	**TOTAL**		**13**
SOC	1010	3			
STUDENT CHOICE		2-3			
TOTAL		**16-17**			

2ND FALL SEMESTER			2ND SPRING SEMESTER		
BIOL	1110	3	HLA		1
SWK	2280	2	SWK	2750	2
SWK	2650	3	SWK	2930	3
DISTRIBUTION		6	AMER INSTITUTIONS		3
TOTAL		**14**	DISTRIBUTION		9
			TOTAL		**18**

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF ARTS TRANSFER DEGREE*
(minimum 64 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1040	Intro to Statistics	3	A	MATH 1010
	OR				
MATH	1030	Quant Reasoning	3	1	MATH 1010
AMERICAN INSTITUTIONS (3 CREDITS)					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS

HLA	____		1	A	none

STUDENT CHOICE (2-3 CREDITS)

COMPUTER LITERACY

DISTRIBUTION AREAS
Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

TRANSFER NOTES
These General Requirement courses are required in the Social work programs at the institutions indicated:

WEBER STATE UNIVERSITY
ANTH 1010, BIOL 1110, PSY 1010, SOC 1010.

UNIVERSITY OF UTAH
BIOL 1010, POLI 1100, PSY 1010, SOC 1010.

UTAH STATE UNIVERSITY
ANTH 1010, BIOL 1010, MATH 1040, PSY 1010, SOC 1010.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
SOC	1010	Int to Sociology	3	A	none
SPN	1020	Beg Spanish II	5	A	SPN 1010
SWK	1010	Intro Social Wk	3	Sp	none
SWK	2130	Hu Beh Soc Env	3	A	SWK 1010
SWK	2230	Intro Grp Therap	2	F, Sp	SWK 2130
SWK	2280	Drug/Alch Abus	2	F, Sp	SWK 1010
SWK	2650	Soc Wk Policy	3	A	none
SWK	2720	Mental Health	2	F, Sp	SWK 1010
SWK	2750	Ethics Soc Wk	2	F, Sp	SWK 1010
SWK	2920	1st Yr So Wk Int	2	A	SWK 2130
SWK	2930	2nd Yr So Wk Int	3	F, Sp	SWK 2920

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ENGL	1010	3	ENGL	2010	3
MATH	1040	3	SOC	1010	3
SWK	1010	3	SWK	2130	3
SWK	2650	3	SWK	2920	2
HLA		1	SPN	1020	5
DISTRIBUTION		3	**TOTAL**		**16**
TOTAL		**16**			

2ND FALL SEMESTER			2ND SPRING SEMESTER		
SWK	2230	2	SWK	2930	3
SWK	2280	2	COM/DEPTH		3
SWK	2720	2	AMER INSTITUTIONS		3
SWK	2750	2	DISTRIBUTION		6
DISTRIBUTION		9	**TOTAL**		**15**
TOTAL		**17**			

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

SOCIOLOGY

South City Campus N115A (801) 957-4130
General Information (801) 957-4073
Academic Advisor (801) 957-3361

Professors: Toni Scalia, Anne Graham
Associate Professor: Deidre Tyler
Assistant Professor: Spencer Blake

THE PROGRAM

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.

Students should check with the department to determine which courses are transferable to other colleges within the Utah System of Higher Education.

PREREQUISITES

It is the student's responsibility to examine each course description for details for prerequisite classes. Those prerequisites must be satisfied before the designated class may be taken.

PREPARATION NOTE

Students who need to take preparatory classes to meet requirements of first semester courses should plan on extra time to complete the program.

CLASS AVAILABILITY

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.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

(minimum 61 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1040	Statistics	3	A	MATH 1010
AMERICAN INSTITUTIONS (3 CREDITS)					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	Amer Civilization	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS

HLA	____		1	A	none

STUDENT CHOICE (2-3 CREDITS)

COMPUTER COMPETENCY

DISTRIBUTION AREAS

Choose an additional three credit hours from each of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
SOC	1010	Intro Sociology	3	A	none

Students may use SOC 1010 to fill a major course requirement or a General Education Distribution Area in Social Science, but not both. If SOC 1010 is used to fill the Social Science requirement, select another Sociology course from the following:

COMPLETE 12 CREDITS FROM THE FOLLOWING

*SOC	1020	Social Problems	3	A	none
SOC	1900	Independent St	1-2	A	SOC 1010
SOC	2150	Social Psycholgy	3	F, Sp	SOC 1010 or PSY 1010
SOC	2370	Gender Roles	3	F, Sp	none
SOC	2380	Marriage & Fam	3	F, Sp	SOC 1010
SOC	2630	Race/Ethnic Rel	3	F, Sp	SOC 1010
SOC	2680	Sociolgy of Agin	3	F	SOC 1010
SOC	2900	Special Topics	1-3	TBA	SOC 1010

*SOC 1020 may be used to fill a Major Course Requirement or General Education Distribution Area in Interdisciplinary, but not both.

ELECTIVES (12 CREDITS)

Complete 12 credits from any college level course numbered 1000 or above.

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ENGL	1010	3	ENGL	2010	3
MATH	1040	3	DISTRIBUTION		9
DISTRIBUTION		3	SOCIOLOGY COURSE		3
AMER INSTITUTIONS		3	**TOTAL**		**15**
SOC	1010	3			
TOTAL		**15**			

2ND FALL SEMESTER		2ND SPRING SEMESTER	
SOCIOLOGY COURSES	6	DISTRIBUTION	3
DISTRIBUTION	3	SOCIOLOGY COURSE	3
STUDENT CHOICE	3	ELECTIVES	9
HLA	1	**TOTAL**	**15**
ELECTIVES	3		
TOTAL	**16**		

DEPARTMENTAL OFFERINGS

COURSE			CR	SEM	PREREQUISITES
SOC	1010	Intro to Sociolgy	3	A	none
SOC	1020	Social Problems	3	A	none
SOC	1900	Indept Studies	1-2	TBA	SOC 1010
SOC	2150	Social Psycholgy	3	F, Sp	SOC 1010 or PSY 1010
SOC	2370	Gender Roles	3	F, Sp	none
SOC	2380	Marriage/Family	3	F, Sp	SOC 1010
SOC	2400	Interm West & People	3	A	none
SOC	2630	Race/Ethnic Rel	3	F, Sp	SOC 1010
SOC	2680	Sociolgy of Aging	3	F	SOC 1010
SOC	2900	Special Topics	1-3	TBA	SOC 1010

STAGEHAND JATC TECHNOLOGY APPRENTICESHIP

SEE **APPRENTICESHIPS**. > > >

SUPPORTED EMPLOYMENT

SEE **CONTINUING EDUCATION**. > > >

SURGICAL TECHNOLOGY

Lifetime Activities Center 234 (801) 957-4161
General Information (801) 957-4073
Academic Advisor SC 240 (801) 957-4407

Instructor: Raymond Liddell

THE PROGRAM

The surgical technology program prepares individuals to work primarily in the operating room. Employment opportunities are also available in surgical centers, labor and delivery, ER's and doctors offices. 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.

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, 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. 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.

The health and safety requirements of the program are:

1. CPR Certification — American Heart Assoc. Modular C, or American Red Cross Health Care Provider are the only courses accepted. A fee is required.

2. Required Immunizations
   A. Tetanus
   B. MMR (Measles, Mumps Rubella) (two required)
   **C. Negative tuberculosis skin test
   #D. Hepta-vax (Hepatitis B) Series of 3

** In the event students have a positive TB skin test, a negative TB chest X-ray is required.

The series of three Hepta-vax immunizations must be taken as follows:
   1st shot
   2ndshot one month after the first
   3rd shot six months after the first
   Two of the three Hepta-vax immunizations must be completed by October 5.

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.

GENERAL COLLEGE ADMISSION

A student seeking admission to the surgical technology program must first be admitted through Enrollment Services as a matriculated student with a major of health sciences by doing the following:

1. Submit Application for Admission as a Matriculated Student.

2. Pay general College application fee.

3. Complete ACT or CPT (placement test). This test may be waived at the discretion of Enrollment Services on the basis of previous college coursework.

NOTE: SLCC does not have minimum required test scores for admission. However, SLCC Math and English departments have mandatory placement policies which require that students enroll in the Math and English classes indicated by their test scores.

SURGICAL TECHNOLOGY PROGRAM ADMISSION CRITERIA

In addition to the above requirements, those seeking admission to the surgical technology program must meet the following admission criteria. Applicants will be accepted into the program in order of their qualifying date (the date upon which all requirements have been met and all materials submitted to Enrollment Services), by providing proof of completion of the following:

1. High school graduation or equivalent.

2. *BIOL 2050/BIOL 2060 (Human Anatomy lecture and lab) with minimum grade of B taken within the past five years.

   *These courses have prerequisites. See course descriptions for prerequisite information.

3. Math and English qualifications. Copies of qualifying test scores must be submitted with the Surgical Technology application.

   Math Qualifications (one of the following)
   a. CPT score: Elementary Algebra 54 within one year;
   b. ACT score: Math 18 within one year; or
   c. MATH 0970 with C or better

English qualifications (one of the following)
a. AP English credit - must be listed on SLCC transcript;
b. CLEP English credit - must be listed on SLCC transcript;
c. ENGL 1010 - English Composition C or better

4. Separate application to the surgical technology program, available in Enrollment Services.

5. Official sealed transcripts must be submitted from ALL colleges/universities where the student has completed prerequisite course work for application to the program.

Applicants will be notified by mail of their admission status. Students begin in August with the possibility of a second class starting in spring going through summer. If necessary a waiting list will be established for future years. The waiting list will include only those applicants who have met all requirements above and are admitted to the program.

To retain a position in the program, students must complete the technical curriculum in the order outlined and receive a C+ grade or better in each required class. Applicants must supply documentation of all selection criteria to the health science admissions technician.

SPECIAL NOTE FOR TRANSFER STUDENTS
Transcripts from other colleges or universities submitted with application are subject to the following policies:

1. Transcripts must be official (sealed and sent by the issuing institution) and must be sent directly to the Enrollment Services Office.

2. Transfer credits and course grades are considered only on completed courses in which grades are received, not on course-in-progress.

This program is taught two consecutive semesters, fall and spring. Surgical technology courses (SURG) must be taken in the order prescribed by the department. Other required courses must be completed by the time they are listed on the curriculum pattern and may be completed ahead of time.

Students are placed in two different hospital settings during the clinical classes SURG 1300 and SURG 2300. Students must attend four specified days each week from 7 a.m. to 3 p.m. Clinical settings include hospitals from Ogden to Provo. Students must provide their own transportation. A liability fee of $20 per semester is required.

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.

CLASS AVAILABILITY
The semester in which courses are taught are listed below. Students should check semester class schedule for the day/evening availability and modifications caused by varying enrollment.

CERTIFICATE OF COMPLETION/ SURGICAL TECHNOLOGY

(minimum 32 hours required)

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
COM	1010	Elem Effct Com	3	A	none
PSY	1400	Prsnl Grwth Dev	3	A	none
	OR				
PSY	1500	Human Growth	3	A	none
MA	1100	Terminology	2	A	none
SURG	1200	Intro Surg Thry	6	F	none
SURG	1300	Beginning Prac	6	Sp	Admission into program
SURG	2200	Adv Theory	6	F	SURG 1200
SURG	2300	Advanced Prac	6	Sp	SURG 1300

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
PSY	1400	3	COM	1010	3
	OR		SURG	1300	6
PSY	1500	3	SURG	2300	6
MA	1100	2	TOTAL		15
SURG	1200	6			
SURG	2200	6			
TOTAL		17			

SURVEYING

Redwood Road Campus
General Information (801) 957-4073
Academic Advisor (801) 957-4550

THE PROGRAM
The surveying 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 examination; and

3. Gives licensed professionals opportunities for upgrade training on new issues in surveying.

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.

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.

CLASS AVAILABILITY
Students should check the semester class schedule for day/evening availability and modifications caused by varying enrollment.

ASSOCIATE OF APPLIED SCIENCE DEGREE IN SURVEYING

(minimum 66 hours required)

GENERAL EDUCATION REQUIREMENTS (13 CREDIT HOURS)

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
SVT	1110	Surveying Mth I	4	F	MATH 1010 or CPT score
COMMUNICATION					
COM	1010	Elem Eff Com	3	A	none
	OR				
COM	1200	Princ of Public Spk	3	A	none
HUMAN RELATIONS					
LE	1220	Human Relation	3	A	none

DISTRIBUTION AREAS (6 CREDITS)
Choose an additional three credit hours from two of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS (47 CREDIT HOURS)

COURSE			CR	SEM	PREREQUISITES
*EDDT	1040	Intro to CAD	3	A	none
*EDDT	1420	Bsc Microstation	2	A	none
*EDDT	2190	Civil Drafting	2	F, Sp	EDDT 1040, EDDT 1420
ENGL	2100	Technical Wrtng	3	A	ENGL 1010
SVT	1010	Intro to Srvyng	1	F	none
SVT	1030	Survey Field Techn	3	Sp	SVT 1110 or MATH 1060
SVT	1120	Surveying Math II	4	Sp	SVT 1110
SVT	2020	Public Land Srv	3	Sp	SVT 1030, SVT 1120
SVT	2030	Adv Survey Techn	3	F	SVT 1030
SVT	2040	Control Surveys	3	F	SVT 1120
SVT	2050	Legal Descrip	3	Sp	SVT 1120, SVT 2020 or concurrent, ENGL 2100
SVT	2060	Ethics & Liability	2	Sp	none
SVT	2160	Land Bndry Lw I	2	F	none
SVT	2170	Lnd Bndry Lw II	2	Sp	SVT 2160 recommended, not required
SVT	2200	Public Records	2	F	SVT 2050, SVT 2160, SVT 2170, or concurrent
SVT	2290	App Srvy Drftng	3	F	EDDT 2190, SVT 1030
____	____	Electives	6		

*Waived for equivalent experience or courses; challenge tests available.

ELECTIVES (6 CREDIT HOURS)

SVT	2000	CO-OP	1-3	A	2nd year and instructor's approval
SVT	2100	Land Develop	3	F	SVT 1110
SVT	2110	Photogrammetry	3	Sp	SVT 1110
SVT	2120	Land Info Syst	3	Sp	none
SVT	2990	Special Topics	1-3	A	Instructor's approval

SAMPLE SCHEDULE

SUMMER TERM
STUDENTS SHOULD COMPLETE THE FOLLOWING COURSES TO BEGIN THE PROGRAM IN THE FALL:

EDDT	1040	3	(WAIVED FOR PROOF OF EXPER)
MATH	1010	4	(IF CPT SCORE NOT ADEQUATE)
TOTAL		**3-7**	

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	**TOTAL**		**15**
TOTAL		**15**			

2ND FALL SEMESTER			**2ND SPRING SEMESTER**		
COM	1010	3	SVT	2020	3
	OR		SVT	2030	3
COM	1200	3	SVT	2050	3
SVT	2040	3	SVT	2170	2
SVT	2160	2	SVT	2200	2
SVT	2290	3	SVT ELECTIVE		3
SVT ELECTIVE		3	**TOTAL**		**16**
DISTRIUTION		3			
TOTAL		**16**			

TECHNICAL SUPPORT SKILLS

SEE **SKILLS CENTER**. > > >

TELECOMMUNICATIONS

PROGRAM

Telecommunications is said to be the fastest growing occupational field in the world today. Currently, there is more demand for trained workers than is being met by training institutions. The Associate of Applied Science degree in Telecommunications Technology provides the student with a solid foundation in fundamentals of theoretical and applied electronics and telecommunications systems. The first year provides telecommunications industry core. The second year focuses on telecommunications systems design, implementation and support. Students receive broad training covering both hardware and software, including converging and emerging network technologies.

The curriculum is based on national and international standards, national codes, the BICSI Telecommunications Distribution Methods Manual (TDMM), and the BICSI Telecommunications Cabling Installation Manual. BICSI is the largest industry association in the world representing the telecommunications industry. The program also prepares students who meet the experience requirements to sit for the BICSI Registered Telecommunications Distribution Designer (RCDD) certification examination. This is one of the most sought after credentials in the telecommunications industry, because those holding it are in great demand as telecommunications systems designers.

INDUSTRY CERTIFICATIONS

The program is competency based and demonstrated by passing industry recognized certification examinations covering various components of the training. The following is a summary of the certifications required to graduate with this degree, along with the granting organizations.

Registered Cable Systems Installer	Tyco Electronics/AMP Corporation
Registered LAN Troubleshooter and Certifier	Tyco Electronics/AMP Corporation
Registered LAN System Designer	Tyco Electronics/AMP Corporation
A+ Certification	Computing Technology Industry Association (CompTIA)
Certification in Convergent Network Technologies (CCNT)	Telecommunications Industry Association (TIA)

Depending on the electives that students select, they may also prepare themselves to pass the examinations to get the following certifications:

Microsoft Certified Systems Engineer (MCSE)	Microsoft Corporation
Microsoft Certified Systems Administrator (MCSA)	Microsoft Corporation
Net+ Certification	Computing Technology Industry Association (CompTIA)
Cisco Certified Networking Associate (CCNA)	Cisco Corporation
Cisco Certified Design Associate (CCDA)	Cisco Corporation
Level 1, Level 2 and Technician Cable Installer	BICSI Incl

ASSOCIATE OF APPLIED SCIENCE IN TELECOMMUNICATIONS TECHNOLOGY

(minimum 66-69 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
ELET	1050	Electronics Math	3	A	
	OR				
MATH	1050	College Algebra	4	A	MATH 1010

COMMUNICATION

COM	1010	Elem Eff Commun	3	A	none

HUMAN RELATIONS

LE	1220	Human Relations	3	A	none

DISTRIBUTION AREAS

Choose an additional three credit hours from one of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ELET	1010	DC/AC Bsc Elec	6	A	ELET 1050 or concurrent
ELET	1040	Technical Basic	2	A	ELET 1010 or concurrent
ELET	1080	Elec Assm Skls	2	A	none
ELET	1100	Lin Circuits	4	A	ELET 1010, ELET 1050
ELET	1130	Digital Circuits	4	A	ELET 1010, ELET 1050
ELET	2020	Technician Certifi	2	F, Sp	ELET 1100, ELET 1130
ELET	2080	Surface Mt Tech	2	A	ELET 1080

SPECIALIZATION TECHNICAL CLASSES

COURSE			CR	SEM	PREREQUISITES
ELET	2000	TelecommCO-OP	2-4	F, Sp	instructor's approval
TELE	1110	Telecom Cabling	2	A	none
TELE	2040	Basic Prgng f/Tech	2	A	ELET 1040
TELE	2340	Telcm Sys Design	4	TBA	TELE 1110

NETWORK INFRASTRUCTURE ELECTIVES

SELECT A MINIMUM OF 8 HOURS FROM THE FOLLOWING

COURSE			CR	SEM	PREREQUISITES
TELE	2341	DsgnLANs/Ntwk	4	TBA	none
TELE	2342	Dsgn/InstlEthernt	4	TBA	none
TELE	2343	DsgnInstlGigEthrnt	4	TBA	knowledge of ethernet networks
TELE	2344	TrblshtEthernetSys	4	TBA	TELE 2343
TELE	2470	Phone Technology	4	TBA	TELE 1110

NETWORK OPERATING SYSTEM ELECTIVES

SELECT A MINIMUM OF 12 HOURS FROM THE FOLLOWING

COURSE			CR	SEM	PREREQUISITES
TELE	2210	MCSA/MCSE Mod 1	4	A	Computer literacy
TELE	2220	MCSA/MCSE Mod 2	4	A	TELE 2210
TELE	2230	MCSA/MCSE Mod 3	4	A	TELE 2220
TELE	2320	Comp Mainten A+ Cert	4	A	CIS 1010 or equiv
TELE	2461	NtwrkRtng/Swng I	4	TBA	CIS 1010
TELE	2462	NtwrkRtng/Swng II	4	TBA	none
ELET	2900	SpcialTopics(Telecm)	4	A	Instructor's approval

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ELET	1010	6	COM	1010	3
ELET	1040	2	ELET	1100	4
ELET	1050	3	ELET	1130	4
	OR		ELET	2080	2
MATH	1050	4	TELE	1110	2
ELET	1080	2	TELE	2040	2
ENGL	1010	3	TOTAL		17
TOTAL		16-17			

2ND FALL SEMESTER			2ND SPRING SEMESTER		
ELET	2020	1	ELET	2000	2-4
TELE	2340	4	INFRASTR ELEC		4
INFRASTR ELEC		4	OPER SYS ELEC		8
OPER SYS ELEC		4	LE	1220	3
DISTRIBUTION		3	TOTAL		17-19
TOTAL		16			

CERTFICATES

The following Departmental certificates are available from the electronics department.

TELECOMMUNICATIONS CABLE INSTALLER

(MINIMUM 28 HOURS REQUIRED)

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ELET	1010	DC/AC Bsc Elec	6	A	ELET 1050 or concurrent
ELET	1050	Electronics Math	3	A	MATH 1010
ELET	1100	Linear Circuits	4	A	ELET 1010, ELET 1050
ELET	1130	Digital Circuits	4	A	ELET 1010, ELET 1050
ELET	1160	Interp Eng Docs	2	A	none
ELET	1170	Safety/Haz Mat	2	A	none
ELET	1180	TQM & Intl Standards	2	A	none
LE	1220	Human Relations	3	A	none
TELE	1110	Telecom Cabling	2	A	none

TELECOMMUNICATIONS NETWORK TECHNOLOGY

(MINIMUM 33-34 HOURS REQUIRED)

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ELET	1010	DC/AC Bsc Elec	6	A	ELET 1050 or concurrent
ELET	1050	Electronics Math	3	A	MATH 1010
TELE	1110	Telecom Cabling	2	A	none
TELE	2320	Comp MaintenTechn	4	A	CIS 1010 or equiv
TELE	2340	Telecom System Design	4	TBA	TELE 1110

TELECOMMUNICATIONS TECHNOLOGY APPRENTICESHIP

SEE **APPRENTICESHIPS**. > > >

THEATRE

SEE **FINE ARTS**. > > >

THERAPEUTIC RECREATION TECHNICIAN

SEE **CONTINUING EDUCATION**. > > >

SALT LAKE REGION SMALL BUSINESS DEVELOPMENT CENTER

SEE **CONTINUING EDUCATION**. > > >

VISUAL ART AND DESIGN

Estimated cost of books and supplies per semester $350 to $450

Redwood Road Campus AT 208 (801) 957-4074
General Information (801) 957-4073
Academic Advisor (801) 957-4550

Professor: Rick Graham
Associate Professors: Brent Budd, Sheila Chambers, Lana Gruendell, Neil Reiland, Al Schmuhl.
Assistant Professors: Robert Adamson, Whitney King, Terry Martin.
Instructors: Kerry Gonzales, Bryan Griggs

THE PROGRAM

The visual art and design department encompasses the fields of graphic design/advertising, illustration, animation, photography, multimedia, electronic publishing and offset printing production. Graphic designers and art directors are responsible for the creative concept, design/layout and execution of printed and digital materials such as ads, brochures, logos, annual reports, catalogs, signage, packaging and posters. Illustrators and photographers provide traditionally and digitally-produced images appropriate for use in advertising and design applications. Animators find careers in the television and movie industry as well as the ever expanding world of the Internet. Multimedia artists create digital 2-D and 3-D 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. Creative people with an aptitude in creative problem-solving, drawing, design and other visual communication should consider this rapidly expanding and competitive field. Students completing the certificate of completion in electronic publishing are taught to prepare art work for successful printing.

Students in visual art and design may specialize in seven general areas: 1) animation, 2) design, 3) illustration, 4) multimedia, 5) photography, 6) electronic publishing, and 7) offset printing production. An Associate of Science can be completed by fulfilling the Animation requirements listed. Students desiring to transfer to a four year institution in fine art should consult Professor Rick Graham.

Upon entering the program, students are assigned a departmental advisor and should expect their progress to be reviewed periodically by departmental faculty. Students whose progress is not satisfactory will be counseled and/or given probationary status.

All courses must be completed with a C or better grade in prerequisite classes to continue in the program.

General education and elective courses provide training in effective oral and written communication and human relations skills. COM 1010 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.

PHOTOGRAPHY ARTICULATION

An articulation agreement between Brooks Institute of Photography and the SLCC Photography Specialization is now in place. Please see the Photography Specialization for additional information.

STUDENT ORGANIZATIONS

Skills USA (formerly VICA) - All students enrolled in the visual art and design 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.

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.

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.

CLASS AVAILABILITY

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, a student must follow the suggested program sample schedule.

ANIMATION ARTICULATION

An articulation agreement between the Utah Valley State College Multimedia Communication Technology Department and the Salt Lake Community College Visual Art and Design Department is now in place. This Visual Art and Design, Animation program has been specifically designed to be fully transferable into the bachelor's degree program in Multimedia at Utah Valley State College. This specialized program, completing the AS degree requirements, provides students with a strong background in art, design, and animation. This will enable students who wish to further their education, to go on and complete a Bachelor of Science Degree in Multimedia with Emphasis in Animation at Utah Valley State College.

COMPLETING THE LISTED REQUIREMENTS BELOW RESULTS IN RECEIVING AN ASSOCIATE OF SCIENCE TRANSFER DEGREE*

This Animation program has been specifically designed to be an integral part of the bachelor's degree in Multimedia with a focus in Animation and is transferable to UVSC. A cumulative grade point average of 2.0 or better (3.0 or better is best) is recommended. See an academic advisor. (Student must be accepted into the UVSC baccalaureate program.)

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITE
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
ENGL	2010	Interm Writing	3	A	ENGL 1010
QUANTITATIVE LITERACY					
MATH	1030	Quantitative Reas	3	A	MATH 1010 or CPT
	OR				
MATH	1040	Statistics	3	A	MATH 1010 or CPT
	OR				
MATH	1050	College Algebra	4	A	MATH 1010 or CPT
AMERICAN INSTITUTIONS					
ECON	1740	Econ Hist of US	3	A	none
	OR				
HIS	1700	American Civiliza.	3	A	none
	OR				
POLI	1100	US Gov & Politics	3	A	none

INSTITUTIONAL REQUIREMENTS

LIFELONG WELLNESS

HLA			1	A	none

STUDENT CHOICE (2-3 CREDITS)

COMPUTER LITERACY

DISTRIBUTION AREAS

Choose an additional three credit hours from each of the following distribution areas:

Biological Sciences	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

(30 CREDITS REQUIRED)

A minimum of 30 hours in Visual Art and Design and Animation are required for transferable credit into the Bachelor of Science Degree in Multimedia with Emphasis in Animation. The following ART components of this program will articulate with Utah Valley State College:

COURSE			CR	SEM	PREREQUISITE
ART	1010	Foundation I	4	F, Sp	none
ART	1170	Animation I	5	Sp	ART 1110 & approval
ART	1800	Digital Media Essent	4	A	none

ART	1220	Design	3	A	none
ART	1260	Figure Drawing	3	A	ART 1110
ART	1670	Animation II	4	F	ART 1170 & approval
ART	2630	3-D Animation	5	F, SP	ART 1810 or approval
ART	2470	Desktop Video Prod	2	F	ART 1810, or ART 1360, or ART 2340

In addition to completing the requirements as listed above for an Associate of Science degree, students may choose to complete the following courses while enrolled at Salt Lake Community College: ART 2260, ART 2280, ART 2430, ART 2610, ART 2640, ART 2670.

***NOTE:** 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 web site: http://www.utahsbr.edu/html/student_info.html

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ART	1110	4	ART	1170	5
ART	1800	4	ART	1220	3
ENGL	1010	3	ART	1260	3
MATH	1030	3	ENGL	2010	3
	OR		DISTRIBUTION		3
MATH	1050	4	TOTAL		17
DISTRIBUTION		3			
TOTAL		17-18			

2ND FALL SEMESTER			2ND SPRING SEMESTER		
ART	1670	4	ART	2630	5
ART	2470	2	DISTRIBUTION		9
DISTRIBUTION		6	HLA		1
AMER INSTITUTIONS		3	TOTAL		15
TOTAL		15			

ASSOCIATE OF APPLIED SCIENCE DEGREE IN VISUAL ART AND DESIGN/ANIMATION EMPHASIS

(minimum 65-69 hours required)

Within the Animation specialization there are two options available: Animation/Illustration and Animation/Multi-media. Students who wish to enter the Animation field with an in-depth study of drawing and illustration should follow the Animation/Illustration track. Recommended courses for the Animation/Illustration track:

COURSE			CR	SEM	PREREQUISITES
ART	2210	Illustration I	3	Sp	ART 1120 and approval
ART	2270	Illustration II	3	F	ART 2210 and approval
ART	2290	Adv Illustration	2	Sp	ART 2270 and approval
ART	2260	Adv Fig Draw	2	F	ART 1260 or approval

Students who wish to enter the Animation field with an in-depth study of the technical and production end of the industry should follow the Animation/Multimedia track.

Recommended courses for the Animation/Multimedia track:

COURSE			CR	SEM	PREREQUISITES
ART	1200	QuarkXpress	3	A	ART 1800 or w/ART 1800
ART	2610	Multimedia/Auth	2	F, Sp	ART 2430
ART	2630	3D Animation	5	F, Sp	ART 1810 or instructor approval
ART	2640	3D Animation II	2	F	ART 2630

Both the Animation/Illustration and Animation/Multimedia tracks are very drawing intensive. The Animation specialization is a very rigorous program and requires careful scheduling of classes to complete the program in a two year period.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
MATH	1010	Interm Algebra	4	A	MATH 0970
	OR				
ART	1210	Math for Vis Arts	3	F, Sp	none
COMMUNICATION					
COM	1010	Elem Effct Com	3	A	none
HUMAN RELATIONS					
ART	1150	Foundation Sem	2	F, Sp	none

DISTRIBUTION AREAS

Choose an additional three credit hours from one of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ART	1110	Foundation I	4	F, Sp	none
ART	1120	Foundation II	4	Sp, Su	ART 1110 or ART 1020
ART	1170	Animation I	5	Sp	ART 1110 and approval
ART	1220	Design	3	A	none
ART	1260	Figure Drawing	3	A	ART 1110
ART	1670	Animation II	4	F	ART1170 and approval
ART	1800	Digital Media Essent	4	A	none
ART	2410	Comp Art/Des	3	F, Sp	ART 1800
ART	2430	Web Site Des	3	F, Sp	ART 1800
ART	2670	Animation III	3	Sp	ART 1670 and approval
ART	2480	Comp Illus	2	Sp	ART 1800
ART	____	Elective	3-4	A	none
ART	1200	QuarkXpress	3	A	ART 1800 or w/ART 1800
	OR				
ART	2260	Adv Figure Draw	2	F	ART 1260
ART	2210	Illustration I	3	Sp	ART 1120
	OR				
ART	2630	3D Animation	5	F, Sp	ART 1810 or instructor approval
ART	2270	Illustration II	3	F	ART 2210
	OR				
ART	2610	Mltimdia Authoring	2	F, Sp	ART2430
ART	2290	Adv Illustration	2	Sp	ART 2270
	OR				
ART	2640	3D Animation II	2	F	ART 2630

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ART	1110	4	ART	1120	4
ART	1150	2	ART	1170	5
ART	1220	3	ART	1260	3
ART	1800	4	ART	2210	3
ART	1210	3		OR	
	OR		ART	2630	5
MATH	1010	4	TOTAL		15-17
COM	1010	3			
TOTAL		19-20			

2ND FALL SEMESTER			2ND SPRING SEMESTER		
ART	1670	4	ART	2410	3
ART	2430	3	ART	2480	2
ART	1200	3	ART	2670	3
	OR		ART	2290	2
ART	2260	2		OR	
ART	2270	2	ART	2640	2
	OR		ART ELECTIVE		3-4
ART	2610	2	ENGL	1010	3
DISTRIBUTION		3	TOTAL		16-17
TOTAL		14-16			

ASSOCIATE OF APPLIED SCIENCE DEGREE IN VISUAL ART AND DESIGN/DESIGN EMPHASIS

(minimum 69 hours required)

Students who elect to specialize in design receive job-entry training in various applications of visual art and design and advertising layout. Graphic creativity and communication/selling analysis are integral to this program. Students interested in preparing for a future as an art director are encouraged to consider this area of specialization.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
ART	1210	Math for Vis Arts	3	F, Sp	none
COMMUNICATION					
COM	1010	Elem Effct Com	3	A	none
HUMAN RELATIONS					
ART	1150	Foundation Sem	2	F, Sp	none

DISTRIBUTION AREAS

Choose an additional three credit hours from one of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ART	1110	Foundation I	4	F, Sp	none
ART	1120	Foundation II	4	Sp, Su	ART 1110 or ART 1020
ART	1130	Printing Fundmntls	2	F, Sp	none
ART	1150	Founation Seminar	2	A	Take 1st semester
ART	1200	Prod Art (Quark)	3	A	ART 1800 or w/ART 1800
ART	1220	Design	3	A	none
ART	1230	Typogrphy & Layout	3	A	ART 1200, ART 1220 or w/ART 1200, w/ART 1220
ART	1240	Screen Printing	3	F, Sp	none
		OR			
ART	2240	Package Design	3	F, Sp	ART 1230
ART	1260	Figure Drawing	3	A	ART 1110
ART	1360	PhotoshopPrint/Desgn	3	A	ART 1800
ART	1800	Multimedia Essentials	4	A	none
ART	2010	Hist Vis Art/Des	3	F	none
ART	2070	Occupation Prep	3	F, Sp	2nd year status
ART	2220	Advanced Design	3	F, Sp	ART 1230
ART	2230	Adv Typo & Lyout	3	F, Sp	ART 1230
ART	2280	Advertising Wksp	2	Sp	ART 1220, 2nd year
ART	2412	Illustrator	2	F, Sp	ART 1800
ART	2415	Freehand	2	F, Sp	ART 1800
ART	2430	Web Site Design	3	F, Sp	ART 1800
ART	2610	Multimedia Auth	2	F, Sp	ART 2430
ART	____	Electives	1-3*		

*SELECT ONE OF THE FOLLOWING GRAPHIC DESIGN ELECTIVES:

ART	1240	Screen Printing	3	F, Sp	none
ART	2140	Adv Photoshop	2	F, Sp	ART 1810 or ART 1340 or ART 2340 or approval
ART	2200	Adv Prd Art (Quark)	2	Sp	ART 1200 or approval
ART	2210	Illustration I	3	Sp	ART 1120 or w/ART 1120
ART	2240	Package Design	3	F, Sp	ART 1230
ART	2420	Adv Illustrator	1	Sp	ART 2412 or approval
ART	2450	Adv Freehand	1	Sp	ART 2415 or approval

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ART	1110	4	ART	1120	4
ART	1130	2	ART	1210	3
ART	1150	2	ART	1230	3
ART	1200	3	ART	1260	3
ART	1220	3	ART	1360	2
ART	1800	4	ENGL	1010	3
TOTAL		**18**	**TOTAL**		**18**

2ND FALL SEMESTER			2ND SPRING SEMESTER		
ART	2010	3	ART	2070	3
ART	2230	3	ART	2220	3
ART	2412	2	ART	2280	2
ART	2430	3	ART	2415	2
ART	1240	3	ART	2610	2
	OR		ART ELECTIVE		1-3
ART	2240	3	COM	1010	3
DISTRIBUTION		3	**TOTAL**		**16-18**
TOTAL		**17**			

ASSOCIATE OF APPLIED SCIENCE DEGREE IN VISUAL ART AND DESIGN/ILLUSTRATION EMPHASIS

(minimum 69 hours required)

This program will provide job-entry level training 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.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENG	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
ART	1210	Math for Vis Arts	3	F, Sp	none
COMMUNICATION					
COM	1010	Elem Effct Com	3	A	none
HUMAN RELATIONS					
ART	1150	Foundation Sem	2	F, Sp	none

DISTRIBUTION AREAS

Choose an additional three credit hours from one of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ART	1110	Foundation I	4	F, Sp	none
ART	1120	Foundation II	4	Sp, Su	ART 1110 or ART 1020
ART	1150	Foundation Seminar	2	A	Take 1st semester
ART	1200	Prod Art (Quark)	3	A	ART 1800 or w/ART 1800
ART	1220	Design	3	A	none
ART	1230	Typogrphy & Layout	3	A	ART 1200, ART 1220 OR w/ART 1200, w/ART 1220
ART	1260	Figure Drawing	3	A	ART 1110
ART	1310	Basic Photogrph	4	A	none
ART	1360	Photoshop Print/Des	2	A	ART 1800
	OR				
ART	1810	Photoshop f/Mltimed	2	F, Sp	ART 1800

ART	1800	Multimedia Essentials	4	A	none
ART	2070	Occu Preparatn	3	F, Sp	2nd year status
ART	2210	Illustration I	3	Sp	ART 1120 or concurrent
ART	2260	Adv Fig Draw	2	F	ART 1260
ART	2270	Illustration II	3	F	ART 2210
ART	2280	Adver Wrkshop	2	Sp	ART 1220, 2nd year
ART	2290	Adv Illustration	2	Sp	ART 2270
ART	2412	Illustrator	3	F, Sp	ART 1800
ART	2430	Web Site Des	3	F, Sp	ART 1800
	OR				
ART	2480	Computer Illust	2	Sp	ART 1800
ART	2560	Figure Painting	3	Sp	ART 1260
ART	2050	Cartooning	2	F	ART 1110, ART 1260
	OR				
ART	2520	Adv Drawing	2	F	ART 1110 or approval

SAMPLE SCHEDULE

FALL SEMESTER			**SPRING SEMESTER**		
ART	1110	4	ART	1120	4
ART	1150	2	ART	1200	3
ART	1220	3	ART	1210	3
ART	1310	4	ART	1260	3
ART	1800	4	ART	2210	3
TOTAL		**17**	COM	1010	3
			TOTAL		**19**
2ND FALL SEMESTER			**2ND SPRING SEMESTER**		
ART	1230	3	ART	2070	3
ART	1360	2	ART	2280	2
	OR		ART	2290	2
ART	1810	2	ART	2430	3
ART	2260	2		**OR**	
ART	2270	3	ART	2480	2
ART	2412	3	ART	2560	3
ART	2050	2	ENGL	1010	3
	OR		**TOTAL**		**15-16**
ART	2520	2			
DISTRIUTION		3			
TOTAL		**18**			

ASSOCIATE OF APPLIED SCIENCE DEGREE IN VISUAL ART AND DESIGN/MULTIMEDIA EMPHASIS

(minimum 70 hours required)

Powerful, inexpensive, multimedia personal computers and now communication technologies such as the Internet, CD-ROM and digital video are generating new career opportunities for the visual artist with solid technical skills. Students studying multimedia will learn the industry's leading applications for authoring multimedia content for diverse delivery mediums, including CD-ROM, corporate, Kiosk systems and the World Wide Web. 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 web sites. 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.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
MATH	1010	Interm Algebra	4	A	MATH 0970
COMMUNICATION					
COM	1010	Elem Effct Com	3	A	none
HUMAN RELATIONS					
ART	1150	Foundation Sem	2	F, Sp	none

DISTRIBUTION AREAS

Choose an additional three credit hours from one of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ART	1110	Foundation I	4	F, Sp	none
ART	1120	Foundation II	4	Sp, Su	ART 1110 or ART 1020
ART	1150	Foundation Seminar	2	A	Take in first semester
ART	1200	Prod Art (Quark)	3	A	ART 1800 or w/ART 1800
ART	1220	Design	3	A	none
ART	1230	Typogrphy & Layout	3	A	ART 1200, ART 1220 or w/ART 1200, w/ART 1220
ART	1260	Figure Drawing	3	A	ART 1110
ART	1800	Multimed Essentials	4	A	none
ART	1810	Photoshop f/Multimd	2	F, Sp	ART 1800
ART	2230	Adv Typo & Lyout	3	F, Sp	ART 1230
ART	2410	Comp Art/Des	3	F, Sp	ART 1800
ART	2430	Web Site Des	3	F, Sp	ART 1800
ART	2470	Dsktp Video Prod	2	F	ART 1810 or ART 1360 or ART 2340
ART	2480	Comp Illust	2	F, Sp	ART 1800
ART	2490	Adv Std Com G	3	Sp	approval
ART	2610	MultimediaAuth	2	F, SP	ART 2430
ART	2630	3D Animation	5	F, Sp	ART 1810 or instructor approval
ART	2650	Mltimedia Prodctn	3	F, Sp	ART 1810 or instructor approval
ART	Elective		1-2		
CS	2560	"C" Pro Multimd	2	Sp	ART 2610, MATH 1010

SAMPLE SCHEDULE

FALL SEMESTER			**SPRING SEMESTER**		
ART	1110	4	ART	1120	4
ART	1150	2	ART	1220	3
ART	1200	3	ART	1230	3
ART	1800	4	ART	1810	2
MATH	1010	4	ART	2410	3
TOTAL		**17**	ENGL	1010	3
			TOTAL		**18**
2ND FALL SEMESTER			**2ND SPRING SEMESTER**		
ART	1260	3	ART	2230	3
ART	2430	3	ART	2490	3
ART	2470	2	ART	2610	2
ART	2480	2	ART	2650	3
ART	2630	5	ART ELECTIVE		1-2
DISTRIBUTION		3	COM	1010	3
TOTAL		**18**	CS	2560	2
			TOTAL		**17-18**

ASSOCIATE OF APPLIED SCIENCE DEGREE IN VISUAL ART AND DESIGN/PHOTOGRAPHY EMPHASIS

(minimum 67 hours required)

Photography is widely used in visual art and design, including fine art. Stu-dents who elect to pursue this specialization will become acquainted with and gain competencies in all aspects of both applied and aesthetic concerns relating to photography. Competencies will include: Camera operation, studio and existing light control, electronic image editing and both color and black and white darkroom control. Students will prepare a portfolio designed to obtain an entry-level job within one of the many photography or related career paths. This includes work as a free-lance photographer or continued education for an advanced degree.

The photographic specialization student must have access to camera equipment (35 mm S.L.R., medium or large format) and additional equipment and supplies as required for this program.

PHOTOGRAPHY ARTICULATION

Brooks Institute of Photography, a premier photographic arts school, has approved articulation of the Photography Specialization Degree into their programs. It is the photography student's responsibility to declare their pursuit of this articulation before or during their third (3rd) semester of the photography program. Students wishing to pursue this articulation, or wishing additional information should contact instructor Terry Martin at 957-4973.

GENERAL EDUCATION REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CORE SKILLS					
COMPOSITION					
ENGL	1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY					
ART	1210	Mth for Vis Arts	3	F, Sp	none
COMMUNICATION					
COM	1010	Elem Effct Com	3	A	none
HUMAN RELATIONS					
ART	1150	Foundation Sem	2	F, Sp	none
DISTRIBUTION AREAS					

Choose an additional three credit hours from one of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ART	1020	Intro to Drawing	3	A	none
	OR				
ART	1110	Foundation I	4	F, Sp	none
ART	1120	Foundation II	4	F, Sp	ART 1110 or ART 1020
ART	1150	Foundation Seminar	2	A	Take in first semester
ART	1220	Design	3	A	none
ART	1310	Basic Photogrph	4	A	none
ART	1320	PhotoVision	1	F, Sp	w/ART 1310 or ART 1050
ART	1340	Photo Mat/Proc	3	Sp	ART 1310
ART	1380	Interm Photo	4	A	ART 1310
ART	1800	Multimed Essentials	4	A	none
ART	2010	History Art/Des	3	F	none
	OR				
HUMA	1410	Hist Modern Art	3	F, Sp	none
ART	2070	Occ Prep	3	F, Sp	2nd year status
ART	2280	Adver Wksp	2	Sp	ART1220, 2nd year
ART	2310	Photo Illustraton	4	F	ART 1380, ART 1120
ART	2330	Photo History	2	F	ART 1050 or ART 1310
ART	2340	Photoshop f/Photogr	2	F	ART 1800
ART	2380	Adv Stdies Photo	4	Sp	ART 2310
ART	____	Elective	3-4		

PHOTOGRAPHY ELECTIVES

CHOOSE A MINIMUM OF 4 CREDITS FROM THE FOLLOWING COURSES:

ART	1390	Color Photog	2	Sp	ART 1310
ART	2300	Altern Photo	2	Sp	ART 1380
ART	2320	Documnt Photo	2	F	ART 1380

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ART	1150	2	ART	1120	4
ART	1220	3	ART	1340	3
ART	1310	4	ART	1380	4
ART	1320	1	COM	1010	3
ART	1020	3	ENGL	1010	3
	OR		**TOTAL**		**17**
ART	1110	4			
ART	1800	4			
TOTAL		**15-16**			

2ND FALL SEMESTER			2ND SPRING SEMESTER		
ART	1210	3	ART	2070	3
ART	2310	4	ART	2280	2
ART	2330	2	ART	2380	4
ART	2340	2	PHOTO ELECTIVE		2
PHOTO ELECTIVE		2	ART ELECTIVE		3-4
ART	2010	3	DISTRIBUTION		3
	OR		**TOTAL**		**17-18**
HUMA	1410	3			
TOTAL		**16**			

CERTIFICATE OF COMPLETION/ VISUAL ART AND DESIGN/ ELECTRONIC PUBLISHING

(minimum 33-34 hours required)

In the electronic publishing certificate students learn the skills to enter a career in the graphic communications industry (printing), which is the second largest manufacturing industry in the United States. In this certificate program students learn 6 standard software programs used in the graphic communications industry: Adobe PageMaker, Quark XPress, Adobe Illustrator, Macromedia Freehand, Adobe InDesign, and Adobe PhotoShop. Principles of graphic design, electronic layout, graphics production and manipulation, scanning, editing of text, graphics and photographs will be learned. Students also learn basic printing techniques and procedures to help in designing and preparing materials to be printed. The latest software and computer hardware is available for student use in the departmental computer labs.

All courses in this certificate can be taken as the first year of study towards the Design Specialization Associate of Applied Science Degree.

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
ART	1130	Prntng Fundamntals	2	F, Sp	none
ART	1150	Foundation Seminar	2	A	Take 1st semester
ART	1200	Prod Art (Quark)	3	A	ART 1800 or w/ART 1800
ART	1210	Math for Vis Arts	3	F, Sp	none
ART	1220	Design	3	A	none
ART	1230	Typogrphy & Layout	3	A	ART 1200, ART 1220or w/ART 1200, w/ART 1220
ART	1360	Photoshop Prnt/Dsign	2	A	ART 1800
ART	1800	Multimed Essentials	4	A	none
ART	2230	Adv Typ/Layout	3	F, Sp	ART 1230
ENGL	1010	Intro to Writing	3	A	pre-test
COM	1010	Elem Effct Com	3	A	none

SELECT ONE OF THE FOLLOWING ELECTRONIC PUBLISHING ELECTIVES:

ART	1240	Screen Printing	3	F, Sp	none
ART	2080	VAD Internship	3	F, Sp	instructors approval, portfolio review
ART	2220	Advanced Design	3	F, Sp	ART 1230
ART	2240	Package Design	3	F, Sp	ART 1230
ART	2280	Advert Workshop	2	Sp	ART 1220, 2nd year
ART	Elective		3		

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ART	1130	2	ENGL	1010	3
ART	1150	2	ART	1230	3
ART	1200	3	ART	1360	2
ART	1210	3	ART	2220	3
ART	1220	3		**OR**	
ART	1800	4	ART	2230	3
TOTAL		**17**	EP ELECTIVE		2-3
			COM	1010	3
			TOTAL		**16-17**

DEPARTMENTAL ELECTIVES

COURSE			CR	SEM	PREREQUISITES
ART	1010	Exploring Art	3	A	none
ART	1020	Intro Drawing (FA)	3	A	none
ART	1060	Calligraphy (FA)	3	A	none
ART	1130	Prntng Fndmntls	2	F, S	none
ART	1170	Animation I	5	Sp	ART 1110 and approval
ART	1200	Prod Art (Quark)	3	A	ART 1800 or w/ART 1800
ART	1230	Typgrphy/Layout	3	A	ART 1200, ART 1220 or w/ART 1200, w/ART 1220
ART	1240	Screen Printing	3	F, Sp	none
ART	1250	Airbrush	3	F	none
ART	1260	Figure Drawing	3	A	ART 1110
ART	1310	Basic Photogrph	4	A	none
ART	1320	Photo Vision	1	F, Sp	w/ART 1310 or ART 1050
ART	1340	Photo Mat/Proc	3	Sp	ART 1310
ART	1360	Photoshp Prnt/Des	2	A	ART 1800
ART	1380	Intermed Photo	4	A	ART 1310
ART	1390	Color Photog	2	Sp	ART 1310
ART	1530	Painting/Watercl	3	A	none
ART	1540	Painting/Oils	3	A	none
ART	1600	Beginning Pottery	3	A	none
ART	1650	Pottery	3	A	ART 1600
ART	1670	Animation II	4	F	ART 1170 and approval
ART	1810	Photoshop f/Multim	2	F, Sp	ART 1800
ART	2010	History Art/Dsgn	3	F	none
ART	2050	Cartooning	2	F	ART 1260
ART	2080	VAD Internship	3	A	Portfolio review, approval
ART	2090	CO-OP	2-4	A	2nd year and approval
ART	2140	Adv Photoshop	2	F, Sp	ART 1360, or ART 1810 or ART 2340 or approval
ART	2200	AdvPrd Art (Quark)	2	Sp	ART 1200 or approval
ART	2210	Illustration I	3	Sp	ART 1120 or w/ART 1120
ART	2220	Advanced Design	3	F, Sp	ART 1230
ART	2230	Adv Typog &Lyout	3	F, Sp	ART 1230
ART	2240	Package Design	3	F, Sp	ART 1230
ART	2260	Adv Figure Draw	2	F	ART 1260
ART	2270	Illustration II	3	F	ART 2210
ART	2290	Adv Illustrator	2	Sp	ART 2270
ART	2300	Alternatv Photog	2	Sp	ART 1380
ART	2310	Photo Illustration	4	F	ART 1380, ART 1120
ART	2320	Documnt Photog	2	F	ART 1380
ART	2330	Photog History	2	F	ART 1050 or ART 1310
ART	2340	Photoshop f/Photog	2	F	ART 1800
ART	2380	Adv Studies Phot	4	Sp	ART 2310
ART	2410	Computer Art	3	F, Sp	ART 1800
ART	2412	Illustrator	2	F, Sp	ART 1800
ART	2415	Freehand	2	F, Sp	ART 1800
ART	2420	Adv Illus	1	Sp	ART 2410 or ART 2412 or approval
ART	2430	Web Site Design	3	F, Sp	ART 1800
ART	2450	Cmpter Freehand	1	Sp	ART 2410, ART 2415 or approval
ART	2470	Desktp Video Prod	2	F	ART 1360 or ART 1810 or ART 2340 or approval
ART	2480	Cmpter Illustrtion	2	F, Sp	ART 1800
ART	2490	Adv Cmp Graphs	3	Sp	Intructor's approval
ART	2520	Adv Drawing	2	F	ART 1110 or approval
ART	2530	Adv Paint/Watrcl	3	A	ART 1530
ART	2540	Adv Painting/Oil	3	A	ART 1540
ART	2560	Figure Painting	3	Sp	ART 1260
ART	2610	Multimedia Auth	2	F, Sp	ART 2430
ART	2630	3D Animation	5	F, Sp	ART 1810 or instructor approval
ART	2640	3D Animation II	2	F	ART 2630
ART	2650	Multimedia Prod	3	F, Sp	ART 1810 or instructor approval
ART	2670	Animation III	3	Sp	ART 1670 and approval
ART	2900	Visual Art/Dsgn	1-3	TBA	Instructor's approval
ART	2940	Spec Topics Design	1-6	TBA	Instructor's approval
ART	2950	Spec Topics Illust	1-6	TBA	Instructor's approval
ART	2960	Spec Topics Anima	1-6	TBA	Instructor's approval
ART	2970	Spec Topics Photog	1-6	TBA	Instructor's approval
ART	2980	SpTopics Multimed	1-6	TBA	Instructor's approval
ART	2990	Special Studies	1-3	A	Instructor's approval
JEWL	1010	Jewlery Cult/Creat	3	A	none

WELDING

SEE ALSO **SKILLS CENTER**. > > >

International Airport Center (801) 957-4448
General Information (801) 957-4073
Academic Advisor CT 210 (801) 957-4550
For Apprenticeship and Other Related Welding (801) 957-4066

THE PROGRAM

All common methods of welding, acetylene and inert gas welding techniques are taught. A graduate welder is capable of welding ferrous and non-ferrous metals in all positions and can operate shears, rolls, drills and brakes. A knowledge of metals and metallurgy is required. A welder is competent in layout, cutting and forming metals and determines electrodes and filler metal to be used. Welders work from blueprints and written procedures and know welding symbols.

Any course offered in this program can be taken as part of the vocational/technical electives for an associate of science degree in general studies.

General education and elective courses provide training in effective oral and written communication and human relations skills.

STUDENT ORGANIZATIONS

Skills USA (formerly VICA) - All students enrolled in the architecture 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.

PREPARATION NOTE

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.

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.

SPECIAL REQUIREMENTS

Good eyesight, good eye-hand coordination, physical condition and basic reading and math skills are required for success in this program.

ELECTIVE OPTIONS

It is possible to earn some laboratory credit through cooperative education if students are employed in a job involving welding. With prior approval of a teaching faculty member and the CO-OP coordinator, the students would register for the regular laboratory course.

CLASS AVAILABILITY

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 enrollments.

ASSOCIATE OF APPLIED SCIENCE IN WELDING

(minimum 70 hours required)

GENERAL EDUCATION REQUIREMENTS

COURSE		CR	SEM	PREREQUISITES
CORE SKILLS				
COMPOSITION				
ENGL 1010	Intro to Writing	3	A	pre-test
QUANTITATIVE LITERACY				
IND 1120	Math Industry	3	F, Sp	none
COMMUNICATION				
COM 1010	Elem Effct Com	3	A	none
HUMAN RELATIONS				
LE 1220	Human Relations	3	A	none
DISTRIBUTION AREAS				

Choose an additional three credit hours from one of the following distribution areas:

Biological Science	3	A	none
Fine Arts	3	A	none
Humanities	3	A	none
Interdisciplinary	3	A	none
Physical Science	3	A	none
Social Science	3	A	none

See pp. 22-23 for options in each of these categories.

MAJOR COURSE REQUIREMENTS

COURSE		CR	SEM	PREREQUISITES
IND 1130	Math for Welders	3	F, Sp	IND 1120
IND 1140	Princ of Tech	2	F, Sp	IND 1120
WLD 1110	Fund of Weldng	4	F, Sp	w/WLD 1111
WLD 1111	Fund of Weld Lab	8	F, Sp	WLD 1110
WLD 1120	Weld Proc/Qual	4	F, Sp	WLD 1110, WLD 1111, w/WLD 1121
WLD 1121	Weld Proc/Qul Lab	8	F, Sp	WLD 1110, WLD 1111, w/WLD 1120
WLD 1230	Gas Shield Wld Insp	4	F, Sp	WLD 1120, WLD 1121, w/WLD 1131
WLD 1231	Gas Shld Wld In Lab	8	F, Sp	WLD 1120, WLD 1121, w/WLD 1130
WLD 1240	Flux Cr/Pipe Fb	4	F, Sp	WLD 1120, WLD 1121, w/WLD 1241
WLD 1241	Flx Cr/Pipe Fb Lab	8	F, Sp	WLD 1120, WLD 1121, w/WLD 1240
WLD 1260	Blueprint for Welding	3	F, Sp	none

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
ENGL	1010	3	COM	1010	3
IND	1120	3	LE	1220	3
WLD	1110	4	WLD	1120	4
WLD	1111	8	WLD	1121	8
TOTAL		**18**	**TOTAL**		**18**
2ND FALL SEMESTER			**2ND SPRING SEMESTER**		
IND	1130	3	IND	1140	2
WLD	1230	4	WLD	1240	4
WLD	1231	8	WLD	1241	8
DISTRIBUTION		3	WLD	1260	3
TOTAL		**18**	**TOTAL**		**17**

DIPLOMA/WELDING

(minimum 65 hours required)

MAJOR COURSE REQUIREMENTS

COURSE		CR	SEM	PREREQUISITES
COM 1010	Elem Effct Com	3	A	none
IND 1120	Math for Ind	3	F, Sp	none
IND 1130	Math for Wldrs	3	F, Sp	IND 1120
IND 1140	Princ of Tech	2	F, Sp	IND 1120
LE 1220	Human Relations	3	A	none
WLD 1110	Fund of Weldng	4	F, Sp	w/WLD 1111
WLD 1111	Fund of Weld Lab	8	F, Sp	WLD 1110
WLD 1120	Weld Proc/Qual	4	F, Sp	WLD 1110, WLD 1111, or equivalent, w/WLD 1121
WLD 1121	Weld Proc/Qu Lab	8	F, Sp	WLD 1110, WLD 1111, or equivalent, w/WLD 1120
WLD 1230	Gas Shield Wld Insp	4	F, Sp	WLD 1120, WLD 1121, or equivalent, w/WLD 1231
WLD 1231	Gas Shld Wld In Lab	8	F, Sp	WLD 1120, WLD 1121, or equivalent, w/WLD 1230
WLD 1240	Flux Cr/Pipe Fb	4	F, Sp	WLD 1120, WLD 1121, w/WLD 1241
WLD 1241	Flx Cr/Pipe Fb Lab	8	F, Sp	WLD 1120, WLD 1121, w/WLD 1240
WLD 1260	Blueprint for Welding	3	F, Sp	none

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
IND	1120	3	COM	1010	3
WLD	1110	4	LE	1220	3
WLD	1111	8	WLD	1120	4
TOTAL		**15**	WLD	1121	8
			TOTAL		**18**
2ND FALL SEMESTER			**2ND SPRING SEMESTER**		
IND	1130	3	IND	1140	2
WLD	1230	4	WLD	1240	4
WLD	1231	8	WLD	1241	8
TOTAL		**15**	WLD	1260	3
			TOTAL		**17**

WELDING APPRENTICESHIP

SEE **APPRENTICESHIPS**. > > >

CONTINUING EDUCATION

DIGITAL MEDIA INSTITUTE

DIGITAL MEDIA TECHNOLOGY

FASHION INSTITUTE

GENEALOGY

INSTITUTE OF PUBLIC SAFETY

INTERIOR DESIGN

LEGAL SECRETARY

LIBRARY TECHNICIAN

PHARMACY TECHNICIAN

REAL ESTATE APPRAISAL

SUPPORTED EMPLOYMENT

THERAPEUTIC RECREATION TECHNICIAN

WORKSHOPS AND OTHER OPPORTUNITIES

SERVICES

CENTERS

CREDIT PROGRAMS AND SERVICES

OTHER PROGRAMS AND SERVICES

UTAH SMALL BUSINESS DEVELOPMENT CENTER

CONFERENCE CENTER AND FACILITY RENTALS

CONTINUING EDUCATION

Miller Campus
9750 South 300 West
Sandy, Utah 84070
(801) 957-5200
www.slcc.edu/miller

Continuing Education (CE) and the Miller Campus focus 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 and the Miller Campus also focus on on-site delivery of programs and courses.

NON-CREDIT PROGRAMS

The programs listed and described are all offered on an on-going and regularly scheduled basis and generally appear in the class schedules. They are typically at least one month in length and may take as long as 2 years to complete. In many instances, a for-credit option is available. The options are noted within the description of each program. Where credit hours are listed, they indicate the suggested elective credit hours that may be available to students by arranging to have those classes counted as elective hours towards an Associates Degree.

- Digital Media Institute
- Digital Media Technology
- Fashion Institute
- Genealogy
- Institute of Public Safety
  - Emergency Medical Technician
  - Peace Officer Basic
  - Special Function/Reserve Officer
- Interior Design
- Law Enforcement (POST) Certification
  (see Institute of Public Safety)
- Legal Secretary
- Library Technician
- Pharmacy Technician
- Real Estate Appraisal
- Supported Employment Specialist
- Therapeutic Recreation Technician

DIGITAL MEDIA INSTITUTE

Miller Campus, Continuing Education (801) 957-5200
Academic Advisor (801) 957-4858
General Information (801) 957-4073
Institute Information (801) 957-3931
www.slcc.edu/DM-Institute
www.DM-Institute.net

FACULTY

Faculty is drawn from professionals with working expertise in the subject matter and from within various College departments.

THE SLCC DIGITAL MEDIA INSTITUTE

The Digital Media Institute (DMI) provides blended-learning and online courses in digital media subjects and explores emerging technologies and applications.

The DMI offers flexible 8-week courses that combine experiential and online learning, making skill development focused, accessible, and affordable.

The DMI awards Continuing Education Units (CEUs) as defined by the International Association for Continuing Education and Training (IACET). The CEU provides a permanent record of accomplishments.

THE CERTIFICATES

For those wishing to advance their careers, DMI certificates make valuable additions to degrees and to résumés. The courses make exceptional electives for students, and they can enhance any field of study as well as help differentiate job seekers in a challenging employment market. For hobbyists or for those seeking a satisfying avocation, the DMI opens the door in a way not previously available.

Given the rapidity with which digital media technology is evolving, the content is constantly being updated. The most accurate and timely information can be found on the website.

CERTIFICATES

(See website for others)

DIGITAL MEDIA PRESENTATIONS

The courses build solid foundational skills in image and video editing. Digital audio editing is also covered. Come away ready to create powerful digital media presentations and to further advance your abilities with the subjects taught in the Digital Video certificate. See website for more details.

DIGITAL VIDEOGRAPHY AND PRODUCTION

A powerfully satisfying and immensely complementary series of courses incorporating Digital Video Essentials, Digital Video Production, DVD Authoring, Adobe After Effects, Creative Screenwriting, and a comprehensive practicum in which you can practice all of your new skills in a mentored environment. See website for more details.

DIGITAL MEDIA TECHNOLOGY

(FORMERLY e-BUSINESS TECHNOLOGY)

Continuing Education (801) 957-5200
Academic Advisor (801) 957-4979
General Information (801) 957-4073
www.slcc.edu/digitalmedia/

Associate Professors: Kim Brown, Julie Gay

FACULTY

Additional faculty is drawn from professionals with working expertise in the subject matter and from within various College departments.

THE PROGRAM

Digital Media Technology (DMT) provides students with advanced information technology skills in the rapidly changing fields of digital multimedia, e commerce design, web development, e-learning and technology management, networking & 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.

The DMT program focuses on three principles that are key to student success in information technology:

Cutting-edge coursework culminating in certificates of completion (with opportunity for an Associate of Applied Science degree; check the website.)

Industry-recognized and endorsed certifications providing stu dents the opportunity to verify and demonstrate their skills and knowledge to potential employers.

Professional internship and cooperative education opportunities to gain experience.

Students who have previously earned industry certifications in information technology areas may satisfy some elective degree requirements by presenting those certification credentials to the Program Coordinator. Given the rapid rate of change in Internet and digital media technology, course content, delivery format, and the number of certificates is constantly being updated. The most accurate information will always be found on the website, http://www.slcc.edu/digitalmedia.

INDUSTRY CERTIFICATIONS
Many of the DMT courses provide excellent preparation for industry certifications, such as Certified Internet Webmaster (CIW), CISCO Systems, CompTIA, Macromedia, and Microsoft. Visit the website to learn why these professional certifications are described by experts as "the best investment you can make in yourself."

CERTIFICATES OF COMPLETION
For individuals wishing to advance their careers within organizations that are increasingly turning to digital media and internet technology to conduct business, the DMT certificates can be valuable complements to degrees and work experience.

For college students, the courses make exceptional electives (with division chair permission), and they can enhance almost any field of study. A DMT certificate provides an excellent way to stand out from the crowd when job seeking or making a career change. For more detailed information regarding certificates of completion, see the website, http://www.slcc.edu/digitalmedia.

DIGITAL MEDIA FOUNDATIONS

COURSE			CR	SEM	PREREQUISITES
EBT	1210	Creavty&PrbSlvng	2	F, Sp	none
EBT	1800	Digital Med Essentials	4	F, Sp	Basic PC skills

DIGITAL MULTIMEDIA

COURSE			CR	SEM	PREREQUISITES
EBT	2120	e-Design/Publishing	3	F, Sp	Basic PC skills
EBT	2360	Master the Web	3	A	Basic PC skills
EBT	2620	e-Lrnng Design/Dev	3	Sp, Su	EBT 1800

INDUSTRY CERTIFICATION OPTION: In addition to earning the SLCC Digital Media certificate, students are prepared to take the exam to become a CIW Associate.

*e*COMMERCE DESIGN

COURSE			CR	SEM	PREREQUISITES
EBT	2360	Master the Web	3	A	Basic PC skills
EBT	2430	Adv Site Design	3	F, Sp	EBT 2360
EBT	2470	e-Commerce Design	4	F, Sp	EBT 2360
EBT	2860	PHP Communica	3		EBT 2240

INDUSTRY CERTIFICATION OPTION: In addition to earning the SLCC e-Commerce Design certificate, students are prepared to take the exams to become certified as a CIW Associate, a CIW Site Designer, and a CIW e-Commerce Designer. Those who pass all three exams will receive the Master CIW Designer credential.

*e*LEARNING TECHNOLOGY

COURSE			CR	SEM	PREREQUISITES
EBT	2120	e-Design/Publishing	3	F, Sp	Basic PC skills
EBT	2410	Flash Essentials	2		Basic Internet/HTML skills
EBT	2440	Dreamweaver Devel	4		Basic PC skills
EBT	2620	e-LearningDesign/Dev	4	Sp, Su	EBT 1800
EBT	2710	Flash Interactivity	3		EBT 2410

INDUSTRY CERTIFICATION OPTION: In addition to earning the SLCC e-Learning Technologist certificate, students are prepared to take the exam to become a CIW Associate.

WEB SITE MANAGEMENT

COURSE			CR	SEM	PREREQUISITES
EBT	2240	JavaScript	3		EBT 2360
EBT	2360	Master the Web	3	A	Basic PC skills
EBT	2430	Adv Site Design	3	F, Sp	EBT 2360
EBT	2510	Server Administration	3		EBT 2360
EBT	2860	PHP Communications	3		EBT 2240

INDUSTRY CERTIFICATION OPTION: In addition to earning the SLCC Web Site Manager certificate, students are prepared to take the exams to become certified as a CIW Associate, CIW Languages, and CIW Server Administrator. Those who pass all four exams will receive the Master CIW Web Site Manager credential.

DREAMWEAVER DEVELOPMENT

COURSE			CR	SEM	PREREQUISITES
EBT	2240	JavaScript	3		EBT 2360
EBT	2360	Master the Web	3	A	Basic PC skills
EBT	2380	Web Usability	3		EBT 2360
EBT	2410	Flash Essentials	2		Basic Internet/HTML skills
EBT	2440	Dreamweaver Devel	4		Basic PC skills

INDUSTRY CERTIFICATION OPTION: In addition to earning the SLCC Dreamweaver Development certificate, students are prepared to take the exam to become certified as a Macromedia Certified Dreamweaver Developer.

FLASH DESIGN

COURSE			CR	SEM	PREREQUISITES
EBT	2240	JavaScript	3		EBT 2360
EBT	2360	Master the Web	3	A	Basic PC skills
EBT	2380	Web Usability	3		EBT 2360
EBT	2410	Flash Essentials	2		Basic Internet/HTML skills
EBT	2440	Dreamweaver Devel	4		Basic PC skills
EBT	2710	Flash Interactivity	3		EBT 2410

INDUSTRY CERTIFICATION OPTION: In addition to earning the SLCC Flash Designer certificate, students are prepared to take the exam to become certified as a Macromedia Certified Flash Designer.

FLASH DEVELOPMENT

COURSE			CR	SEM	PREREQUISITES
EBT	2240	JavaScript	3		EBT 2360
EBT	2360	Master the Web	3	A	Basic PC skills
EBT	2380	Web Usability	3		EBT 2360
EBT	2410	Flash Essentials	2		Basic Internet/HTML skills
EBT	2440	Dreamweaver Devel	4		Basic PC skills
EBT	2500	XML	3		EBT 2360
EBT	2710	Flash Interactivity	3		EBT 2410
EBT	2810	Flash Applications	3		EBT 2500, EBT 2710

INDUSTRY CERTIFICATION OPTION: In addition to earning the SLCC Flash Development certificate, students are prepared to take the exam to become certified as a Macromedia Certified Flash Developer.

CISCO NETWORKING TECHNOLOGY

COURSE			CR	SEM	PREREQUISITES
TELE	2461	Ntwk Switch/Rout I	4		CIS 1020 or equivalent
TELE	2462	Ntwk Switch/Rout II	4		TELE 2461
TELE	2470	Converg Ntwk Tech	4		none

INDUSTRY CERTIFICATION OPTION: In addition to earning the SLCC Networking Technology certificate, students are prepared to take the exam to become a CISCO Certified Networking Associate (CCNA) and the Telecommunications Industry Association (TIA) Certification in Convergent Network Technologies (CCNT).

MICROSOFT SERVER ADMINSTRATION

COURSE			CR	SEM	PREREQUISITES
TELE	2210	MCSA/MCSE Mod 1	4	A	Computer literacy
TELE	2220	MCSA/MCSE Mod 2	4	A	TELE 2210
TELE	2230	MCSA/MCSE Mod 3	4	A	TELE 2220

INDUSTRY CERTIFICATION OPTION: In addition to earning the SLCC Microsoft Server Administration certificate, students are prepared to take the exam to become a Microsoft Certified Server Adminstrator (MCSA). In addition, studnets who pass any one of the courses above will be prepared to certified as a Microsoft Certified Professional (MCP).

MICROSOFT SERVER ENGINEERING

COURSE			CR	SEM	PREREQUISITES
TELE	2210	MCSA/MCSE Mod 1	4	A	Computer literacy
TELE	2220	MCSA/MCSE Mod 2	4	A	TELE 2210
TELE	2230	MCSA/MCSE Mod 3	4	A	TELE 2220
TELE	2337	MS MCSE Mod 7	2		TELE 2230

INDUSTRY CERTIFICATION OPTION: In addition to earning the SLCC Microsoft Server Engineering certificate, students are prepared to take the exam to become a Microsoft Certified Server Engineer (MCSE).

FASHION INSTITUTE

Estimated cost of books and supplies per course $125

Miller Campus, Continuing Education (801) 957-5200
General Information (801) 957-4858
Academic Advisor (801) 957-5200
www.slcc.edu/miller/

THE PROGRAM

The Fashion Institute certificate prepares students for entry-level retail or wholesale sales, management, retail buying or entrepreneurship in the clothing industry. It also prepares students for continuation of their education at one of the major fashion schools.

Coursework trains students in fashion design, both theory and practice. After successful completion of the required classes, students are awarded a Fashion Institute certificate. No financial aid is available at this time.

Students completing courses listed below earn continuing education credit which applies to a certificate. Completion of these courses can only be used toward an AA, AS, AAS or certificate of completion with approval of the division sponsoring the degree or certificate of completion.

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.

CLASS AVAILABILITY

The semesters in which courses are taught are listed below. Students should check the semester class schedule for day/evening availability and other modifications in the semester schedule.

CERTIFICATE

(minimum 30 hours required)

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
FASH	1010	Intro to Fashion	2	A	none
FASH	1100	Mths of Pattrn Desgn	3	A	none
FASH	1200	Quick Sketch	2	F, Su	none
FASH	1300	Vis Merchandising	2	Sp	none
FASH	1350	Fashion thru the Ages	2	F	none
FASH	1500	Beg Sewing	2	F, Sp	none
FASH	1501	Adv Sewing	2	F, Sp	FASH 1500 or approval
FASH	2010	Textiles	2	F	none
FASH	2100	Adv Methods of Pat	3	F, Sp	FASH 1100
FASH	2240	Fash Buying &Mgmt	2	F	none
FASH	2260	Forecasting/Mktg	2	Sp	none
FASH	2400	Adv Design	4	Sp	FASH 1100, FASH 1200, FASH 1500, FASH 2010, w/FASH 2100

ELECTIVES (OPTIONAL)

(MAY SUBSTITUTE FOR ABOVE REQUIRED COURSES)

FASH	1250	Fashion Illustration	2	Sp	none
FASH	1550	VocAlt/Costumg	2	F	approval
FASH	1551	AdvAlt/Costumg	2	Sp	FASH 1550
FASH	1850	Fashion Show Prod	4	Sp	none
FASH	1900	Special Projects	1-3	F, Sp	approval
FASH	2190	Draping f/Fashion	3	SP	FASH 1100 and approval
FASH	2200	Psych of Clothing	2	Sp	none

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
FASH	1010	2	FASH	1250	2
FASH	1100	3	FASH	1300	2
FASH	1200	2	FASH	1501	2
FASH	1350	2	FASH	1850	4
FASH	1500	2	FASH	2100	3
FASH	2010	2	FASH	2260	2
FASH	2240	2	FASH	2400	4
TOTAL		**15**	**TOTAL**		**13**

GENEALOGY

Estimated cost of books and supplies per semester $200-$300

Miller Campus, Continuing Education (801) 957-5200
Academic Advisor (801) 957-5230
General Information (801) 957-4073

THE PROGRAM

The Genealogy program is designed to prepare students to enter the field of genealogical research. The course work focuses on teaching students how to develop solid research and organizational skills and the proper use of genealog-ical records and sources. In addition, students are introduced to early American handwriting, writing for genealogical publications and US history. The program combines both classroom and practical hands-on research experience through its course offerings.

*The Genealogy program is a three-semester program for full-time students offered in partnership with the Heritage Genealogical College. Students who successfully complete the program are awarded a Certificate of Completion by the Heritage Genealogical College. Financial aid is not available at this time.

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.

CLASS AVAILABILITY
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.

CERTIFICATE OF COMPLETION
(FROM HERITAGE GENEALOGICAL COLLEGE)
(minimum 40 hours required)

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQ
GEN	1010	Intro/Gen Research	3	A	none
GEN	1030	Genealogical Comp	1	A	none
GEN	1110	Gen Writing	2	F	Computer Literacy
GEN	1120	Gen Writing II	2	Sp	GEN 1110
GEN	1200	Case Std/Prob Solving	2	F	GEN 1010
GEN	1210	Ethics & Fraud in Gen	3	F	none
GEN	1220	Genealogical Vocab	1	Sp	none
GEN	1300	US Vtl,Church/Census	3	F, Sp	none
GEN	1310	US Court,Immig/Prob	3	F, Sp	none
GEN	1320	US Land, Prop/Militry	3	F, Sp	none
GEN	1400	Paleography	3	F	Eng Proficient
HIS	1100	Understanding History	3	F, Sp	none
HIS	2700	US History to 1865	3	F, Sp	none
HIS	2710	US History Since 1865	3	F, Sp	none

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
GEN	1010	3	GEN	1120	2
GEN	1030	1	GEN	1220	1
GEN	1110	2	GEN	1310	3
GEN	1200	2	HIST	2700	3
GEN	1300	3	**TOTAL**		**9**
HIST	1100	3			
TOTAL		**14**			

2ND FALL SEMESTER		
GEN	1210	3
GEN	1320	3
GEN	1400	3
HIST	2710	3
TOTAL		**12**

INSTITUTE OF PUBLIC SAFETY

Estimated cost of books and supplies per program $250

Academic Advisor (801) 957-3922
Miller Campus, Continuing Education (801) 957-5200
General Information (801) 957-4073
Director: James Hoffman

The LAW 1000 and LAW 1050 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. Minimum age of 21 at time of graduation from the program.

NOTE: Certification must be awarded within one year from the date of course completion. Students must be at least 21 years of age when applying for these programs, or birthday must fall during or before completion of the program.

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 Skills Center.

LAW 1000
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 LAW 1000 training course consists of up to 230 contact hours during a 13-week period.

COURSE CONTENT
LEGAL, PATROL, AND CRIMINAL INVESTIGATIVE SUBJECTS (INCLUDING SKILL AREAS):

Abnormal Behavior
Allied and Related Agencies
Arrest Control and Search
Blood Borne Pathogens
Constitutional Law
Control Substances Law
Criminal Justice System
Discretionary Decision Making
Ethics/Professionalism
First Aid
Interpersonal Communication
Introduction to Computers
Introduction to Vehicle Operations
Juvenile Law and Procedures
Laws of Arrest
Laws of Evidence
Laws of Search and Seizure
Liability of Peace Officers
Liquor Control Law
Media Relations
Minority Awareness
Note Taking and Study Skills
Physical Disablers
Physical Fitness
Radio Communication
Report Writing
Stress Management
Understanding Behavior
Use of Force
Utah Court System
Utah Criminal Code
Weight Control

LAW 1050
PEACE OFFICER
BASIC TRAINING COURSE

THE COURSE
LAW 1050 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 LAW 1000 course.

This module consists of 372 contact hours of law enforcement training during an 18-week period.

Estimated cost of books and supplies for program	$600

COURSE CONTENT

- Area Familiarization
- Arrest Control Techniques/Baton
- Building Search
- Case Preparations
- Child Abuse and Neglect
- Civil Disputes
- Court Demeanor and Testifying
- Crime Scene Protection/Search
- Crimes in Progress
- Crowd and Riot Control
- Custody Responsibility
- Dead Body Investigations
- Domestic Violence
- Drivers License Law and Hearings
- Drugs and Narcotics
- DUI Violations, BA Certification
- Emergency Vehicle Operation
- Evidence Collection/Preservation
- Firearms Certification
- Follow-Up Investigation
- Hazardous Waste Operations
- Hostage/Barricaded Subjects
- Interviews and Interrogation
- Intro to State Crime Lab
- Physical Fitness
- Preliminary Investigations
- Radar Certification
- Reasonable Force
- Report Writing and Field Notes
- Scene Management
- Spanish for Law Enforcement
- Traffic Accident Reporting
- Traffic Law
- Transportation of Prisoners
- Vehicle Impound and Storage
- Vehicle Operations Liability
- Vehicle Stop and Approach
- Vehicle Searches
- Victimology

LAW 1300
BAIL ENFORCEMENT
AGENT TRAINING

THE TRAINING
Bail Enforcement Agent Training satisfies Utah's certification requirements for those interested in becoming bail enforcement agents in the state of Utah. For those planning to carry a concealed weaspons permit (CWP), an additional component of certification is a 16 hour firearms training course.

COURSE CONTENT
This 16 hour course covers the licensing requirements of the Utah Department of Public Safety.

LAW 1400
EMERGENCY MEDICAL
TECHNICIAN TRAINING

THE TRAINING
The Emergency Medical Technician Training (LAW 1400) 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	$ 85
State test fees	$ 80
Cost of training equivalent to10semester credit hours	

COURSE CONTENT
This 150-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 defibulator.

LAW 1410
EMT RE-CERTIFICATION TRAINING

THE TRAINING
Re-certification consists of 25 hours of training designed for individuals holding current valid certification as an EMT. It includes 1996 bridging guidelines, including defibulator.

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 LAW 1400 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 Miller Campus website schedule or call (801) 957-3922.

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) 957-3922.

INTERIOR DESIGN

Estimated cost of books and supplies per program $420

General Information (801) 957-4073
Academic Advisor (801) 957-4858
Miller Campus, Continuing Education (801) 957-5200
www.slcc.edu/miller/

THE PROGRAM
The Interior Design program is designed to introduce and prepare the students to the field of Interior Design. Upon successful completion of the program, students will have knowledge and skills in the following areas: design concepts, design history, space planning, color, drafting, computer-aided design, and textiles as well as sales presentations and techniques. The Salt Lake Community College program combines both classroom and practical work experience through Internship and Special Projects courses.

TRANSFER INFORMATION
Although the Interior Design 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. Credits from this program will apply toward a bachelor's degree in Technical Sales at Weber State University; however, additional general education courses will be required. Students interested in pursuing professional interior design at Utah State University should obtain advising regarding the requirements and course selection criteria for the bachelor's program.

PREPARATION NOTE
Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete a certificate.

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.

CLASS AVAILABILITY
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.

CERTIFICATE

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
INTD	1010	Intro Inter Des	3	A	None
INTD	1200	Theo/Psych of Color	3	A	None
INTD	1220	Draft for Inter Des	3	A	None
INTD	1230	Histor Furnishings	3	F	None
INTD	1310	Bus of Interior Des	3	SP	INTD 1010
INTD	1320	Persp and Rendering	2	SP	INTD 1220
INTD	1330	Contemp Furnishings	3	SP	None
INTD	1340	Mat and Cmponents	3	F, SP	None
ARCH	1310	Intro Auto CAD	3	F	INTD 1220, approval
HUMA	1400	Survof Art History	3	F, SP	None
HUMA	1410	Hist of Modern Art	3	F, SP	None

ELECTIVES
(CHOOSE AN ADDITIONAL FIVE CREDIT HOURS)

COURSE			CR	SEM	PREREQUISITES
INTD	1360	Light & Space Plan	3	F, SP	INTD 1010, INTD 1020
INTD	1800	Special Projects	3	F, SP	INTD 1010, INTD 1200, INTD 1220
INTD	1900	Portfolio & Presenta	2	A	INTD 1010, INTD 1200, INTD 1220
INTD	2000	Inter Des Internship	3	A	Instructor approval
ARCH	2450	Construction Mgmt	5	F, SP	Instructor approval

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
INTD	1010	3	INTD	1310	2
INTD	1200	3	INTD	1320	2
INTD	1220	3	INTD	1330	3
HUMA	1400	3	INTD	1340	3
TOTAL		**12**	HUMA	1410	3
			TOTAL		**13**
SUMMER TERM			**2ND FALL SEMESTER**		
ARCH	1310	3	INTD	1230	3
TOTAL		**3**	INTD	1360	3
			INTD	1800	3
			INTD	1900	2
			INTD	2000	3
			TOTAL		**14**

LEGAL SECRETARY

Estimated cost of books and supplies for both classes $65

Miller Campus, Continuing Education, (801) 957-5200
General Information (801) 957-4073
Academic Advisor (801) 957-4858
www.slcc.edu/miller/

THE PROGRAM
This training assists in the development of a legal secretary whether the individual is currently employed in a law office or preparing for such a career. Emphasis is on professional skills rather than the routine or clerical aspects of the work of a legal secretary. The courses support the promotion of legal secretary as a career. No financial aid is available at this time. Certificates are available for students who complete the courses with a C or better grade. Credit generated by completion of these courses can only be used toward an AA, AS, or AAS or certificate of completion with approval of the division sponsoring the degree or certificate of completion.

This training also assists in preparation for the Professional Legal Secretary Exam sponsored by the National Association of Legal Secretaries.

CLASS AVAILABILITY
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 schedule.

PREREQUISITES
Students should have word processing skills prior to taking these classes.

CERTIFICATE
(minimum 4 hours required)

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
LST	1800	Legal Secretry I	2	F, Sp	none
LST	1810	Legal Secretry II	2	F, Sp	none

LIBRARY TECHNICIAN

Estimated cost of books and supplies per year $150

Coordinator: Becky Taylor (801) 957-5802
Miller Campus, Continuing Education (801)957-5200
www.slcc.edu/miller/librarytech/index.htm

THE PROGRAM
There are three existing Library Technician courses, with the possibility of additional courses to be added to meet industry and personal needs. The Library Technician Program is for entry-level library personnel who want/need formal training, or want to improve their skills or opportunities for advancement, or anyone who wants to improve their opportunity of working in an entry-level position in the library system.

Classes are designed to give students an overview and introduction to library services, including library public and information services and technical services. Classes can be taken in any order.

Students completing the courses listed below earn continuing education credit. Credit generated by completion of these courses can only be used toward an AA, AS, AAS or one-year certificate with approval of the division sponsoring the degree or one-year certificate.

No financial aid is available at this time.

CLASS AVAILABILITY
The semesters in which courses are taught are listed below. All Library Technician courses are taught via the Internet.

CERTIFICATE

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
LT	1010	Intro to Libr Serv	3	F, SP	none
LT	1200	Pub/Info Services	3	SP	none
LT	1500	Lib Tech Services	3	F	none

PHARMACY TECHNICIAN

Estimated cost of books and supplies $300

Miller Campus, Continuing Education, (801) 957-5200
General Information (801) 957-4073
Academic Advisor (801) 957-4858
www.slcc.edu/miller

THE PROGRAM
The pharmacy technician certificate prepares students to assist the pharmacist in providing pharmaceutical services and care to patients in hospitals, long-term care facilities, and the community. The pharmacy technician curriculum provides practical and technical pharmaceutical knowledge. The certificate offers basic academic training in terminology, pharmacy, law, and calculations related to prescriptions and dosages. Specific diseases and their drug therapies are studied, as well as a variety of drug distribution systems.

This certificate prepares technicians to assist pharmacists in packaging and distribution of medication to patients, technical operations in drug distribution, including inventory control, drug delivery, and bulk compounding. Use of aseptic technique in the preparation of sterile solution and use of dosage forms are also simulated. Hands-on experience is included in a 12-week internship which serves to expand technical classroom training and emphasizes practical application of the skills discussed in class. Internship includes both community and institutional experiences. Total training time is 300 hours, the state requirement for licensing.

Students completing the courses listed below earn continuing education credit which applies to a certificate. Credit generated by completion of these courses can only be used toward an AA, AS, AAS or certificate of completion with approval of the sponsoring division.

No financial aid is available at this time.

PREREQUISITES
A good math background (MATH 0950, MATH 0920 or CPT score placing students into MATH 0970) is necessary to begin this program due to course content and accelerated pace.

To obtain the certificate, students must have keyboarding skills, typing skills (30 NWPM) and ten-key skills (125 strokes per minute with 95 percent accuracy.)

CLASS AVAILABILITY
Semesters in which courses are taught are listed below. Students should check class schedule for day/evening availability and other modifications to the semester schedule.

CERTIFICATE

(minimum 15 hours required)

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
PHAR	1010	Intro Pharm Prc	2	F, Sp	MATH 0920 or MATH 0950 or placement in MATH 0970
PHAR	1020	Pharmacology I	2	F, Sp	MATH 0920 or MATH 0950 or placement in MATH 0970
PHAR	1030	Comp/Strle Prd	2	Sp, Su	PHAR 1010, PHAR 1020
PHAR	1040	Calulations & Law	2	F, Sp	MATH 0920 or MATH 0950 or placement in MATH 0970
PHAR	1050	Pharm Comp	2	F, Sp	w/PHAR 1010
PHAR	1060	Pharmacology II	2	Sp, Su	PHAR 1020
PHAR	1070	Fieldwork Prep	3	A	All PHAR courses or w/PHAR 1030 and PHAR 1060

SAMPLE SCHEDULE

FALL SEMESTER			SPRING SEMESTER		
PHAR	1010	2	PHAR	1030	2
PHAR	1020	2	PHAR	1060	2
PHAR	1040	2	PHAR	1070	3
PHAR	1050	2	**TOTAL**		**9**
TOTAL		**8**			

REAL ESTATE APPRAISAL

Estimated cost of books and supplies per course $200

Miller Campus, Continuing Education (801) 957-5200
General Information (801) 957-4073
Academic Advisor (801) 957-48458
www.slcc.edu/miller

THE COURSEWORK
The real estate appraisal course work is designed to prepare students for the state registered appraiser licensing requirement and to

qualify students to have an apprentice license in the state of Utah. The courses cover the basic principles of real property value appraisal reports, site analysis and evaluation. Also covered are market data and collection analysis for residential properties and the development of cost, sales comparison, and income approaches.

CERTIFICATE

(minimum 6 credit hours required)

MAJOR COURSE REQUIREMENTS

COURSE			CR	SEM	PREREQUISITES
CERE	0410	Stands of Prof Pract	0	F, Sp	CERE 0110, CERE 0120
REAP	1620	Found Real Est App	2	F, Sp	none
REAP	1630	Residential Appraisal	3	F, Sp	REAP 1620
REAP	1650	Redev and Finance	2	F, Sp	Instructor approval

SUPPORTED EMPLOYMENT

Estimated cost of books and supplies per year $100

Miller Center, Continuing Education (801) 957-5200
Center for Human Services Training (801) 957-3146
Academic Advisor - (801) 957-4858
www.slcc.edu/miller/chst

Director: Becky Taylor (801) 957-3802

THE PROGRAM

Training in supported employment is offered on an on-going basis. Supported employment is designed to assist individuals with disabilities to achieve and maintain competitive community employment. Through supported employment specialist training, students will acquire fundamentals of providing supported employment services. Emphasis will be placed on learning techniques for securing employment in the community for persons with disabilities and teaching them how to succeed on the job. Follow-up procedures with employers and coordination of services with state funding agencies are included.

Additional seminars that address specialty areas within supported employment are offered throughout the year.

A certificate is issued upon completion of course work as outlined in the course syllabus. Credit generated by completion of the courses can only be used toward an AA, AS, AAS, or certificate of completion with approval of the division sponsoring the degree or certificate.

CLASS AVAILABILITY

Classes in supported employment are scheduled each semester. New classes are added upon development. Contact the number above for training dates, topic areas, and new courses.

CERTIFICATE

(Select 4 credits from the following)

MAJOR COURSE REQUIREMENTS

COURSE		CR	SEM	PREREQUISITES
HSS 2100	Support Employ	3	A	none
HSS 2110	Sup Emp Pract	1	A	w/HSS 2100

THERAPEUTIC RECREATION TECHNICIAN

Estimated cost of books and supplies per semester $25

Miller Campus, Continuing Education (801) 957-5200
General Information (801) 957-3146
Academic Advisor (801) 957-4858
www.slcc.edu/miller

Gwen Bellon, (801) 957-3146

THE PROGRAM

This seminar, consisting of eight eight-hour sessions, is an introduction to the field of therapeutic recreation. The seminar provides a foundation for students pursuing a therapeutic recreation technician (TRT) license. Completion of the course fulfills the instructional training required at the TRT level. Following completion of the seminar, students seeking licensure must also complete a basic first aid course and field work under the supervision of a licensed therapeutic recreation therapist or a master therapeutic recreation therapist. Currently, Salt Lake Community College offers only the instructional program.

The seminar explores various approaches to programming for individual patients who are part of a geriatric, substance abuse, psychiatric, or developmentally disabled population. A strong emphasis is placed on preparation for the Utah State Licensure Examination at the TRT level.

Credit generated by completion of the course can only be used towards an AA, AS, AAS or certificate of completion with approval of the division sponsoring the degree or certificate. All coursework must be completed with a C or better grade. No financial aid is available at this time.

CLASS AVAILABILITY

The semesters in which the course is taught are listed here. Students should check with the class schedule for day/evening availability and other modifications to the semester class schedule.

Businesses which employ therapeutic recreation technicians receive brochures announcing dates and times for the seminar.

CERTIFICATE

MAJOR COURSE REQUIREMENTS

COURSE		CR	SEM	PREREQUISITES
HSS 1500	Ther Rec Tech	4	F, Sp	none

WORKSHOPS AND OTHER TRAINING OPPORTUNITIES

Continuing Education offers over 500 workshops or short-term training opportunities each year. Information about these classes is available through brochures and schedules, through the SLCC website www.slcc.edu/miller or by calling 957-5200.

AUTOMOTIVE INDUSTRY AND VEHICLE RELATED TRAINING

- Automotive Service Management
- Automotive Customer Service
- Basic Automotive Fundamentals
- Utah Highway Patrol Safety Inspection
  - Heavy Duty Testing
  - Light Duty Testing
  - Motorcycle Testing
- Salt Lake County Applied Emissions Technology

CAD APPLICATIONS TRAINING

- AutoCAD 2002 Level I
- AutoCAD 2002 Level II
- AutoCAD 2002 Level III
- Autodesk MAP
- Land Development Desktop I
- Civil Design (LDD II)
- Autodesk VIZ 4
- Architectural Desktop
- Revit
- AutoLISP
- Visual Basic for AutoCAD
- Mechanical Desktop
- 3D Studio Max I
- 3D Studio Max II
- Arcview I
- Arcview II
- Microstation
- Autodesk Inventor

COMPUTER APPLICATIONS AND INSTRUCTIONAL TECHNOLOGY

- MCSE- Microsoft Certified Systems Engineer
- A+ Certification
- CNC
- CISCO
- UNIX/Consumer
- UNIX/Technical
- Access
- Groupwise
- Internet Overview
- Dreamweaver
- LINUX
- Microsoft Office Suite
- Word
- Excel
- Quick Books
- Novell CNE Series
- Networking Manager
- C+ ISO 9000
- + Programming
- Intro to Personal Computers
- MS Publisher
- Outlook
- Introduction to HTML
- FrontPage
- Windows
- MS Project
- Word Perfect
- PowerPoint
- Certified Internet Webmaster

ENVIRONMENTAL HEALTH AND SAFETY

- HAZWOPER (40 hour and 8 hour)
- Certified Pool & Spa Operator
- Lead-based Paint
- Fork Lift

LEADERSHIP, MANAGEMENT AND SUPERVISION

- Building Teams
- Conflict Resolution, Mediation and Negotiation
- Disney Keys to Excellence/Disney Institute
- Managing Change
- Measuring for Success
- Organizational Alignment
- Strategic Planning
- Supervision

MANUFACTURING PROCESSES

- ISO 14000
- TQM
- SPC
- Welding
- Gauge & Blueprint Reading
- Process Simulation
- TOC & Other Manufacturing Systems

PUBLIC SAFETY CAREER FOCUSED TRAINING

- Peace Officer Basic
- Special Functions Reserve Officer
- Emergency Medical Technician
- Bail Enforcement Agent

PUBLIC SAFETY COMMUNITY INTEREST

- Firearms Safety
- Motorcycle Safety
- Bilingual Drivers Training

PERSONAL INTEREST

- Cabinet & Furniture Making
- Horticulture - Floral Design
- Complimentary Medicine
- Personal Finance and Planning

SMALL BUSINESS MANAGEMENT

A VARIETY OF TOPICS IN EACH OF THE FOLLOWING AREAS:

- Financial
- Marketing/Sales
- Operations

For further information or to get on the e-mail or traditional mail list, contact the Miller Campus at 957-5200. Also, visit the web at www.slcc.edu/miller.

SERVICES

CUSTOMIZED AND CONTRACT TRAINING/ON-SITE TRAINING

Continuing Education can customize training to meet the needs of a company, agency, or association. This includes customizing existing courses and programs or creating a program to meet specific needs. Program delivery methods can include on-site training, traditional classroom, web-based programs, or at a requested locale. For information, go to the website at www.slcc.edu/miller or call 957-5200 and ask for Program Operations.

CONTINUING EDUCATION UNITS

Continuing Education can provide Continuing Education Units (CEUs) both for training delivered by SLCC and for training operated by other companies, agencies, and associations. Contact Continuing Education at 957-5200 for further information.

CENTERS

The Miller Campus operates several centers focused on specific training areas. The centers are designed not only to coordinate training in these areas, but to assist with development of new training programs and services.

AUTOMOTIVE TRAINING CENTER

The Center is both a state-of-the-art facility and a center devoted to supporting the automotive industry in Utah, the region, nationally, and internationally. In addition to its three on-going degree programs, the Auto Training Center also facilitates regional training for industry, certification testing such as I-CAR, and service and management training. Through its facilities, the center also facilitates satellite and internet training. For information contact us at (801) 957-5200 or see the web at www.slcc.edu/miller/auto.

CENTER FOR HUMAN SERVICES TRAINING

The CHST specializes in Supported Employment Training but can also meet other training needs in the Human Services field.

INSTITUTE FOR PUBLIC SAFETY

The Institute of Public Safety operates a variety of programs ranging from programs designed for career-oriented certifications to safety programs for the public at large.

- Law Enforcement (POST) Certification
  - Special Functions/Reserve Officer
  - Peace Officer Basic
- Emergency Medical Technician
- Bail Enforcement Agent
- Motorcycle Safety Training
- Bi-Lingual Drivers Education
- Firearms Safety
- Security

The Institute also works closely with federal, state and local law enforcement and public safety agencies to provide in-service training opportunities.

CREDIT PROGRAMS AND SERVICES

DEGREE PROGRAMS AND CERTIFICATES

The Miller Campus also offers a number of credit programs. They are listed here and described in full detail within the academic and degree program listings:

- Auto Technology
- Automotive Collision Repair Refinishing
- Paraeducation
- ROTC

SERVICES

The Miller Campus provides for on-site delivery of credit classes as requested by the community. These range from one-time delivery of a specific course to on-going arrangements involving delivery of a complete degree. Such classes can be offered at any time of day, any day of the week and during any time of the year.

The Miller Campus can also create industry-specific degrees and, based on potential student numbers, company specific degrees.

For further information on these services, call (801) 957-5200 and ask for the Division of Academic Programs or see the web at www.slcc.edu/miller/AcademicPrograms.

COOPERATIVE EDUCATION

Through the College's Cooperative Education Program, students enrolled in degree-oriented programs can receive credit for on-the-job experience based on study-related work experience in business, industry and government. The CO-OP program is described in detail in the Services to Students Section. For further information, see that section, visit us on the web at www.slcc.edu, or call us at 957-4014

*e*EDUCATION AND INSTRUCTIONAL TECHNOLOGY

E-Education provides faculty, students and staff with state-of-the art tools and processes which enhance their teaching and learning experiences. Faculty driven courses from across the college are delivered in information technology supported formats: broadcast television, videotape, and the Internet. Students interact with instructors and classmates in person, on the telephone, in online chat rooms and discussion boards, and through e-mail in a student-centric environment. The goal of all e-Education courses is to provide high-quality education at times and formats that meet individual students' needs. For more information and a current list of offerings, visit the e-Campus website, http://ecampus.slcc.edu or call the e-Education Service Center at 801-957-4794.

OTHER PROGRAMS AND SERVICES

ACT TESTING AND TRAINING

The ACT Center offers an extensive library of computer based courseware. Courses are grouped into the following general categories:

- Key Work Skills
- Computer Basics
- Information Tech
- English as a Second Language
- Industrial Tech/Safety Skills
- Management/Leadership
- Personal Development

The vast majority of the courses are available via the SLCC ACT Center web page at http://www.actcenters.com/SLCCMiller from any location with the minimum computer requirements. Minimum requirements can be found at that site. Some courses, due to the high streaming video and audio content, are only available at the Miller campus ACT Center.

The ACT Center also offers "high-stakes" testing for various professional fields, including the Association of Social Work Boards exams, Food Protection and Sanitation Examination, Dietitian Registry Examination, Dietetic Technician Registry Examination and the Nuclear Medicine Technologist Certification Examination.

For workforce development, in addition to the courseware noted, the center offers ACT WorkKeys skill assessments and corresponding WorkKeys approved courseware for skill improvement.

Contact the ACT Center at:

PHONE: (801) 957-5215
FAX: (801) 957-5252
E-MAIL: RICKJ.GRAHAM@SLCC.EDU

MICROSOFT OFFICE SPECIALIST TESTING CENTER

The Miller campus hosts the only Microsoft Office Specialist testing center for the College, currently providing testing for Microsoft Office 2000 and Office XP products.

Testing is by scheduled appointment only. Call (801)957-5215 for an appointment.

UTAH SMALL BUSINESS DEVELOPMENT CENTER

9750 South 300 West - Corporate Partnership Center
SLCC Miller Campus
Sandy, Utah 84070
(801) 957-4654
FAX # (801) 957-3488
e-mail: Barbara.McCullough@slcc.edu

The USBDC Network is dedicated to helping small businesses throughout Utah achieve their goals of growth, expansion, innovation, increased productivity, management improvement and success. The USBDC works to promote the State of Utah's economic development goals. These goals include job creation, maintaining a low unemployment rate, increasing real per capita income and preventing business failures. This program works to create a quality business climate that allows for distinctive job opportunities. In addition, USBDC works to provide outstanding support services for Utah businesses.

USBDC SERVICES INCLUDE:

Confidential, one-one-one consulting in management, financing, and marketing

Customized, Comprehensive 10-Point Entrepreneurial Plan

Intensive management training seminars

Assistance with access to capital

Marketing Research

New business feasibility analysis

Business resource libraries with access to current business data, demographics, technological information, and statistics

Small Business advocacy

Government procurement, international trade and technology assistance

10 POINT ENTREPRENEURIAL PLAN:

A COMPREHENSIVE TOOL FOR BUILDING SUCCESS

This plan covers ten strategic dimensions of every organization because every business or practice should be continuously improving in each area. The outcome from this customized entrepreneurial plan can be measured in profit improvement, competitive advantage, marketing dominance, low employee turnover, increased productivity, and a fun work environment - to name just a few.
The 10 Strategic dimensions include:

1. Entrepreneurship
2. The Planning Process
3. Competitive Marketing
4. Legal Aspects - (Note: USBDC cannot replace an attorney. Seek legal advice when appropriate)
5. Financial Management and Analysis
6. Risk Management
7. Operational Management
8. Technology Issues
9. Managing Your Business
10. Growth and Exit Strategies

USBDC CORE TRAINING OPPORTUNITIES

startSMART

Entrepreneurial success begins with this FREE, two-hour seminar on how to start a new business. Topics covered include: Rewards and drawbacks of business ownership, business entry strategies, business planning, legal and regulatory requirements, forms of business ownership, sources of business financing, where to go next!

planSMART

To make your business one that succeeds, business planning is critical. This comprehensive, three-hour class covers all of the essential components of writing an effective business plan. This class is intended for entrepreneurs with limited business experience who are interested in: Testing and refining their business ideas, learning key business terms and concepts, writing a thorough business plan to use as a planning, operating and policy guide and, if appropriate, as a financing proposal.

$$$SMART

What do the numbers mean? What is the difference between a balance sheet and an income statement? This comprehensive training addresses critical issues for understanding and creating: balance sheets, cash flow statements, sales forecasting, operating expenses, and completing a break-even analysis. We will train you to prepare and read financial reports complete with an understanding of financial ratios and working with your banker. This course is a "must have" before you visit your banker.

marketSMART

Marketing won't be a mystery anymore. This training event begins with the basics, identifies specifics, and ties marketing into the "big picture" for success. Attendees will work through a simple exercise designed to help them see their product or service in a new light - one that will improve the way they market, more effectively entice customers, and increase sales! They will see how the marketing plan fits into the overall business plan.

ENTREPRENEURIAL MANAGEMENT TRAINING

Helping entrepreneurs reach their next level of success. The Entrepreneurial Training course is a 12-week course focused on advanced business principles and strategies. It is designed for entrepreneurs who wish to start a new venture, overhaul and expand their business, or take their business in a new direction.

For a list of current workshops and training, visit the Salt Lake SBDC Web site at Saltlakesbdc.com

CONFERENCE CENTER AND FACILITY RENTALS

The Miller Campus hosts over 1200 meetings per year in its 50 plus meeting spaces. The Miller facilities, all of which are equipped with state-of-the-art presentation and communication technology, are also available for rental by any organization, company, or group. To receive information regarding the rental of the Miller Campus, call (801) 957-5200 or see the web at www.slcc.edu/miller.

The Metro Learning Center, located at 115 South Main Street in the heart of downtown Salt Lake City, opened in the spring of 2002. This state of the art educational and training facility houses 18 classrooms, 4 computer labs and over 6,000 square feet of conferencing space. Credit and non-credit classes as well as a wide variety of business and special interest seminars are all part of what the Metro Learning Center offers to SLCC constituents in the Salt Lake Valley. To obtain updated information about the Metro Learning Center, please call 957-5200.

APPRENTICESHIPS

SKILLS CENTER

APPRENTICESHIPS

Division of Apprenticeship
Construction Trades Building, Room 222 - (801) 957-4066
Director: Joe Mulvey

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.

The College provides classroom-related and supplemental instruction for apprenticeship programs. The College neither provides on-the-job training nor acts as a sponsor for apprentices. Individuals must locate their own sponsors. Classes are held in the days, evenings and Saturdays, depending on the program.

For individual industry-sponsored programs, students should contact their employers' training director or the Apprenticeship Office. For additional information concerning the listed apprenticeship programs please contact the Apprenticeship Office, (801) 957-4066.

The Bureau of Apprenticeship and Training (BAT) is the federal registering agency for all Utah programs. For information, students and sponsors should contact the Bureau of Apprenticeship and Training, Room 101, 1600 West 2200 South, Salt Lake City, Utah 84119; (801) 975-3650. Students are strongly encouraged to be registered with the Bureau of Apprenticeship and Training, which is optional at the discretion of the employer. All electricians and plumbers must register with the Utah State Division of Occupational and Professional Licensing, (801) 530-6628 or (801) 530-6436.

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.

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.

ASSOCIATE OF APPLIED SCIENCE DEGREE

Apprentices earn a certificate of achievement upon successful completion of all required core courses. Apprentices also may earn an Associate of Applied Science degree by completing all of the following:

1. All apprenticeship program core course requirements (30-70 credit hours).

2. All general education requirements for the AAS degree (13-19 credit hours; see page 21 for specific requirements). The quantitative literacy requirement may be satisfied by completion of the required apprenticeship program math course.

3. Additional credit hours, if necessary, to meet the minimum 63 total credit hours required for the AAS degree (0-20 credit hours).

APPRENTICESHIP AUTO COLLISION REPAIR/PAINT TECHNOLOGY

THE PROGRAM
This is a one and one-half year program requiring three semesters of school and three thousand hours of on-the-job training. Auto Collision Repair Technicians are skilled individuals who repair damaged motor vehicles by straightening bent structures, removing dents, 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 work is characterized by variety as each damaged vehicle is unique and presents a different set of problems.

PREPARATION NOTE
Education suggestions for high school subjects include Mathematics, Welding, Mechanical Drafting, Auto Mechanics, Metallurgy, and basic computer skills.

PREREQUISITES
All registering students must be employed by a sponsor in the Apprenticeship Program.

CLASS AVAILABILITY
Classes are to be taken in sequence and are available as determined by the Employer Program Advisory Committee. Apprentices must complete each class with a C or higher grade to move into the next level class. The courses currently follow a sequential order running Fall and Spring Semesters. The 2000 CO-OP class is provided to grant College credit for on-the-job training time. Contact the Apprenticeship Office for information.

SUGGESTED SEQUENCE

FIRST SEMESTER

ACRA 1110	Auto Collision Repair IA	5

SECOND SEMESTER

ACRA 1120	Auto Collision Repair IB	5

THIRD SEMESTER

ACRA 1210	Auto Collision Repair IIA	5

APPRENTICESHIP BOILERMAKER JATC TECHNOLOGY

THE PROGRAM
Boilermakers in the Joint Apprenticeship and Training Committee (JATC) program lay out and fabricate assemblies for boilers, pressure systems and other steel products. They use blueprints, lay out instruments, mathematical formulas and calculations to design parts for fabrication. Boilermakers assemble and finish products using electric, arc and acetylene welders and rivets and bolts. The curriculum for this course is developed by the National Boilermakers JATC and endorsed by the sponsoring employers. Additional registration and certification is available through the Bureau of Apprenticeship and Training.

PREPARATION NOTE
Educational suggestions for high school subjects include basic mathematics, geometry, algebra, physics, welding, machine shop, blueprint reading, and mechanical drawing.

PREREQUISITES
Entering apprentices must apply and be approved by program sponsors.

CLASS AVAILABILITY
Classes are to be taken in the sequence given and must be completed with a grade of C or higher to pass on to a higher level.

The following courses are given in suggested sequence for students seeking an Associate of Applied Science degree. Courses with a BMA abbreviation must be taken to complete the apprenticeship curriculum.

SUGGESTED SEQUENCE

FIRST SEMESTER

BMA	1110	Boilermaker IA	6

SECOND SEMESTER

BMA	1120	Boilermaker IB	6
COM	1010	Elements of Effective Communication	3

THIRD SEMESTER

BMA	1210	Boilermaker IIA	6
LE	1300	Human Relations and Self-Esteem	2

FOURTH SEMESTER

BMA	1220	Boilermaker IIB	6
ENGL	1010	Introduction to Writing	3

FIFTH SEMESTER

BMA	2310	Boilermaker IIIA	6
____	____	General Education Elective Credit	3

SIXTH SEMESTER

BMA	2320	Boilermaker IIIB	6
FIN	1050	Personal Finance	3

SEVENTH SEMESTER

BMA	2410	Boilermaker IVA	6

EIGHTH SEMESTER

BMA	2420	Boilermaker IVB	6

APPRENTICESHIP BOILERMAKER/WELDER/LAYOUT

The Boilermaker/Welder/Layout curriculum is industry specific and is offered on an as-needed basis. Please consult the semester class schedule for the courses being offered or contact the Apprenticeship Office for class availability.

SUGGESTED SEQUENCE

FIRST SEMESTER

BWL 1110 Boilermaker/Welder/Layout IA

SECOND SEMESTER

BWL 1120 Boilermaker/Welder/Layout IB

APPRENTICESHIP BRICK MASON TECHNOLOGY

THE PROGRAM

Brick masons build walls, fireplaces, chimneys, arches, columns and other structures using brisk, 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. Curriculum is articulated statewide.

PREPARATION NOTE

Educational suggestions for high school subjects include basic mathematics, geometry, algebra, physics, welding, wood shop, blueprint reading, and mechanical drawing.

PREREQUISITES

All entering students must demonstrate competence for placement into MATH 0970 by scoring a minimum of 75 on the arithmetic portion and 35 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 brick mason program.

CLASS AVAILABILITY

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. Each course will be offered twice a year in both fall and spring semesters.

The following BLA 2000 CO-OP and all general education courses are given in the following sequence for students seeking an Associate of Applied Science degree. Courses with a BLA abbreviation except the CO-OP courses must be taken to complete the apprenticeship curriculum.

SUGGESTED SEQUENCE

FIRST SEMESTER

BLA	1110	Brick Layer IA	5

SECOND SEMESTER

BLA	1120	Brick Layer IB	5

THIRD SEMESTER

BLA	1210	Brick Layer IIA	5
LE	1300	Human Relations and Self-Esteem	2

FOURTH SEMESTER

BLA	1220	Brick Layer IIB	5
WTG	1010	Introduction to Writing	3

FIFTH SEMESTER

BLA	2310	Brick Layer IIIA	5
IND	1140	Principles of Technology	3

SIXTH SEMESTER

BLA	2320	Brick Layer IIIB	5
FIN	1050	Personal Finance	3

SEVENTH SEMESTER

____	____	General Education Elective Credit	3
____	____	Related Elective Credit	4

(Suggested related courses are: Welding, CAD Drafting, Blueprint Reading, Cement Masonry.)

APPRENTICESHIP BUILDING MAINTENANCE TECHNOLOGY

The Building Maintenance Technology curriculum is industry specific and is offered on an as-needed basis. Please consult the semester class schedule for the courses being offered or contact the Apprenticeship Office for class availability.

APPRENTICESHIP CARPENTRY INDEPENDENT TECHNOLOGY

THE PROGRAM

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.

PREPARATION NOTE

Educational suggestions for high school subjects include basic mathematics, geometry, algebra, physics, welding, wood shop, blueprint reading and mechanical drawing.

PREREQUISITES

All entering students must demonstrate competence for placement into MATH 0970 by scoring a minimum of 75 on the arithmetic

portion and 35 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 the CPI 1470 math curriculum.

CLASS AVAILABILITY
The classes are to be taken in sequence. A student must complete each class with a C or higher grade to move on to the next level. Each course will be offered as determined by the Employer Program Advisory Committee for fall and spring semesters.

The following CPI 2000 CO-OP and general education courses are given in suggested sequence for students seeking an associate of applied science degree. Courses with a CPI abbreviation except the CO-OP courses must be taken to complete the apprenticeship curriculum.

SUGGESTED SEQUENCE

FIRST SEMESTER			
CPI	1110	Carpenter IA	5
CPI	2000	Carpentry CO-OP	2-4
SECOND SEMESTER			
CPI	1120	Carpenter IB	5
COM	1010	Elements of Effective Communication	3
THIRD SEMESTER			
CPI	1210	Carpenter IIA	5
LE	1300	Human Relations and Self-Esteem	2
FOURTH SEMESTER			
CPI	1220	Carpenter IIB	5
ENGL	1010	Introduction to Writing	3
FIFTH SEMESTER			
CPI	2310	Carpenter IIIA	5
IND	1140	Principles of Technology	3
SIXTH SEMESTER			
CPI	2320	Carpenter IIIB	5
FIN	1050	Personal Finance	3
SEVENTH SEMESTER			
CPI	2410	Carpenter IVA	5
____	____	General Education Elective Credit	3
EIGHTH SEMESTER			
CPI	2420	Carpenter IVB	5
CPI	2000	Carpentry CO-OP	2-4

APPRENTICESHIP CARPENTRY JATC TECHNOLOGY

THE PROGRAM
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.

PREPARATION NOTE
Educational suggestions for high school subjects include basic mathematics, geometry, algebra, physics, welding, wood shop, blueprint reading and mechanical drawing.

PREREQUISITES
All entering students must demonstrate competence for placement into MATH 0970 by scoring a minimum of 75 on the arithmetic portion and 35 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 the CPA 147 math curriculum provided by the JATC. All students must be approved by the JATC before registering for courses.

CLASS AVAILABILITY
The classes are taken according to the needs of the apprentice. A student must complete each class with a C or higher grade to move on to the next level. Each course will be offered twice each year in both the fall and spring semesters.

The following CPA 2000 CO-OP and general education courses are given in suggested sequence for students seeking an Associate of Applied Science degree. Courses with a CPA abbreviation except the CO-OP courses must be taken to complete the apprenticeship curriculum.

SUGGESTED SEQUENCE

FIRST SEMESTER			
CPA	1110	Carpentry--Computer Skills	5
CPA	2000	Carpentry CO-OP	3-6
SECOND SEMESTER			
CPA	1120	Carpentry--Concrete Forming	5
COM	1010	Elements of Effective Communication	3
THIRD SEMESTER			
CPA	1210	Carpentry--Wood Framing	5
LE	1300	Human Relations and Self-Esteem	2
FOURTH SEMESTER			
CPA	1220	Carpentry--Finish, Interior	5
ENGL	1010	Introduction to Writing	3
FIFTH SEMESTER			
CPA	2310	Carpentry - Interior Systems	5
IND	1140	Principles of Technology	3
SIXTH SEMESTER			
CPA	2320	Carpentry - Welding	5
FIN	1050	Personal Finance	3
SEVENTH SEMESTER			
CPA	2410	Carpentry - Blueprint Reading	5
____	____	General Education Elective Credit	3
EIGHTH SEMESTER			
CPA	2420	Carpentry Completion	5
CPA	2000	Carpentry CO-OP	3-6

APPRENTICESHIP CEMENT MASON JATC TECHNOLOGY

The Cement Mason JATC Technology curriculum is industry specific and is offered on an as-needed basis. Please consult the semester class sche-dule for the courses being offered or contact the Apprenticeship Office for class availability.

APPRENTICESHIP CULINARY ARTS

Assistant Professors: Ricco Renzetti, Leslie Seiferle

PROGRAM
The full-time CHEF program requires five semesters (two and one-half years) to complete the curriculum as outlined and approved by the American Culinary Federation. These courses also fulfill requirements for the National Restaurant Association Certificates. In addition to two years of related instruction, there is an on-the-job requirement of 2,000 hours. This work must be performed in a preapproved establishment with more than 50% of the food being prepared from scratch. The part-time CHFA program is a three-year fully accredited program with the American Culinary Federation and the Federal Bureau of Apprenticeship and Training Standards. This program requires 6,000 hours of on the job training, and completion of all CHFA courses as listed.

PREPARATION NOTES
Educational suggestions for high school subjects include mathematics, business math, marketing, and art design including three dimensional.

PREREQUISITES
Entering students must prove competence for MATH 0950 by scoring 75 in arithmetic and 35 in algebra on the mathematics CPT exam, or complete MATH 0920 or 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. Students also must prove competence for RDG 0990 by scoring 55-70 on the reading comprehension CPT or completing RDG 0900 with a grade of C or better and place into ENGL 1010 by completing WRTG 0990 with a C or better.

FULL-TIME STUDENT SAMPLE SCHEDULE

FIRST SEMESTER

CHEF	1110	Sanitation	3
CHEF	1120	Introduction to Food Service	3
CHEF	1130	Management of Marketing	3
LE	1220	Human Relations for Career Development	3
____	____	General Education Elective Credit	3

SECOND SEMESTER

CHEF	1210	Food and Beverage Service	3
CHEF	1250	Food Preparation	6
CHEF	1350	Food Preparation Lab	6

THIRD SEMESTER (SUMMER TERM)

CHEF	1600	Herb Horticulture	1
CHEF	2410	Purchasing	3
CHEF	2420	Baking	3
CHEF	2460	Baking Lab	3
ENGL	1010	Introduction to Writing	3

FOURTH SEMESTER

CHEF	1320	Business Math	3
CHEF	2510	Continental Cuisine	3
CHEF	2520	Nutrition	3
CHEF	2560	Continental Cuisine Lab	3
CHEF	2680	Catering Management (optional)	3

FIFTH SEMESTER

CHEF	2610	Menu Design	3
CHEF	2620	Supervision and Training	3
CHEF	2680	Catering Management (optional)	3
COM	1010	Elements of Effective Communication	3
____	____	General Education Elective Credit	1-3

PART-TIME STUDENT SAMPLE SCHEDULE

FIRST SEMESTER

CHFA	1110	Sanitation	3
CHFA	1120	Introduction to Food Service	3
CHFA	1130	Management of Marketing	3
LE	1220	Human Relations for Career Development	3

SECOND SEMESTER

CHFA	1210	Food and Beverage Service	3
CHFA	1220	Beginning Food Preparation	3
CHFA	2000	CO-OP	4

THIRD SEMESTER

CHFA	1310	Advanced Food Preparation	3
CHFA	1320	Business Math	3
CHFA	2000	CO-OP	4
ENGL	1010	Introduction to Writing	3

FOURTH SEMESTER

CHFA	2000	CO-OP	4
CHFA	2410	Purchasing	3
CHFA	2420	Baking	3
COM	1010	Elements of Effective Communication	3

FIFTH SEMESTER

CHFA	2000	CO-OP	4
CHFA	2510	Continental Cuisine	3
CHFA	2680	Catering Management (optional)	3
____	____	General Elective Elective Credit	3

SIXTH SEMESTER

CHEF	1600	Herb Horticulture	1
CHFA	2520	Nutrition	3
CHFA	2610	Menu Design	3
CHFA	2620	Supervision and Training	3
CHFA	2680	Catering Management (optional)	3

APPRENTICESHIP DIESEL SYSTEMS TECHNOLOGY

(formerly Heavy Duty Mechanics)

The Heavy-Duty/Diesel Systems Repair 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 PROGRAM
The HDMA program is designed for training Mechanics in both installation and service work. Apprentices in the HDMA 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.

PREPARATION NOTE
Educational suggestions for high school subjects include basic mathema-tics, geometry, algebra, physics, welding, blueprint reading, and mechanical drawing.

PREREQUISITES
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 0970 or must enroll in APPR 1470 math course prior to enrollment in HDMA core courses.

CLASS AVAILABILITY
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. A trimester for the first year curriculum will only be offered with sufficient demand to those students requiring a math prerequisite course.

SUGGESTED SEQUENCE

FIRST SEMESTER

DSTA	1100	Safety and Basic Engines	2
DSTA	1111	Safety and Basic Engines Lab	4
LE	1220	Human Relations for Career Development	3

SECOND SEMESTER

DSTA	1120	Preventive Maintenance	2
DSTA	1121	Preventive Maintenance Lab	4
COM	1010	Elements of Effective Communication	2

THIRD SEMESTER

DSTA	1130	Heavy-Duty Drivetrains	2
DSTA	1131	Heavy-Duty Drivetrains Lab	4
FIN	1050	Personal Finance	3

FOURTH SEMESTER

DSTA	1200	Advanced Engine & Electronics	2
DSTA	1211	Advanced Engine & Electronics Lab	4
DSTA	2000	Heavy-Duty CO-OP	2-4

FIFTH SEMESTER

DSTA	1220	Heavy-Duty Hydraulics	2
DSTA	1221	Heavy-Duty Hydraulics Lab	4
DSTA	2000	Heavy-Duty CO-OP	2-4

SIXTH SEMESTER

DSTA	1230	Heavy-Duty Electrical	2
DSTA	1231	Heavy-Duty Electrical Lab	4
DSTA	2000	Heavy-Duty CO-OP	2-4

SEVENTH SEMESTER

DSTA	2000	Heavy-Duty CO-OP	2-4
ENGL	1010	Introduction to Writing	3
IND	1120	Math for Industry	3

EIGHTH SEMESTER

DSTA	2000	Heavy-Duty CO-OP	2-4
MSI	1110	Related Machine Shop	3
WLDA	1005	Related Welding	3

APPRENTICESHIP ELECTRICAL INDEPENDENT TECHNOLOGY

THE PROGRAM

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). Applica-tion 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.

PREPARATION NOTE

Educational suggestions for high school subjects include basic mathematics, geometry, algebra, physics, welding, wood shop, blue-print reading and mechanical drawing.

PREREQUISITES

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 0970 or equivalent, or complete ELI 1470 (Math for the Trades) with a grade of C or higher.

CLASS AVAILABILITY

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 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.

The following ELI 2000 CO-OP and all general education courses are given in a suggested sequence for students seeking an Associate of Applied Science degree. The courses having an ELI abbreviation except the CO-OP courses must be taken to complete the apprenticeship curriculum.

SUGGESTED SEQUENCE

FIRST SEMESTER

ELI	1110	Electricity I	5
ELI	2000	Electrical CO-OP	3-6

SECOND SEMESTER

COM	1010	Elements of Effective Communication	3
ELI	1120	Electricity I	5

THIRD SEMESTER

ELI	1210	Electricity II	5
LE	1300	Human Relations and Self-Esteem	2

FOURTH SEMESTER

ELI	1220	Electricity II	5
ENGL	1010	Introduction to Writing	3

FIFTH SEMESTER

ELI	2310	Electricity III	5
IND	1140	Principles of Technology	3

SIXTH SEMESTER

ELI	2320	Electricity III	5
FIN	1050	Personal Finance	3

SEVENTH SEMESTER

ELI	2410	Electricity IV	5
ELI	2000	Electrical CO-OP	3-6

EIGHTH SEMESTER

ELI	2420	Electricity IV	5
____	____	General Education Elective Credit	4

APPRENTICESHIP ELECTRONICS AND COMPUTER TECHNOLOGY

Professor: Stanley Lawrence

THE PROGRAM

The program is designed to meet individual industry needs through course offerings. Industries desirous of having an Electronics and Computer Technology Program should meet to create and design the courses and sequence desired. It is strongly encouraged that students be registered with the Bureau of Apprenticeship and Training, which is optional at the discretion of the employer.

PREPARATION NOTE

Students who need to take preparatory classes to meet the requirements of first semester courses should plan on extra time to complete a degree. Educational suggestions for high school subjects include basic mathematics, geometry, algebra, physics, blueprint reading, and mechanical drawing. 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 students have had prior college-level experience. Those wishing to enter this program must score above accepted minimums on the test.

PREREQUISITES

It is the student's responsibility to examine each course description for details of prerequisite courses. Those prerequisites must be satisfied before the course may be taken.

CLASS AVAILABILITY

Availability of classes is dependent upon the desired outcome of the industry creating the sequencing and actual core courses required. 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 compentency test to move on to the next level class.

The semesters in which courses are taught are listed below. Students should check the class schedule for day/evening availability and modifications caused by varying enrollments.

ELECTRONICS AND COMPUTER TECHNOLOGY ASSOCIATE OF APPLIED SCIENCE DEGREE

(Minimum 65 hours required)

GENERAL EDUCATION REQUIREMENTS

CORE SKILLS

COMPOSITION

ENGL	1010	Introduction to Writing	3

QUANTITATIVE LITERACY

ELTA	1050	Electronics Math	3

COMMUNICATION

COM	1010	Elements of Effective Communication	3

HUMAN RELATIONS

LE	1220	Human Relations - Career Development	3

DISTRIBUTION AREAS

Complete the following distribution (PS) course:

PHY	1010	Elementary Physics	3

MAJOR COURSE REQUIREMENTS

ELTA	1080	Electronic Assembly Skills	2
ELTA	1010	DC/AC Basic Electronics	6
ELTA	2010	Advanced Circuit Analysis	2
ELTA	1030	Active Devices	6
ELTA	2900	Special Topics	4
ELTA	1130	Digital Fundamentals	4
ELTA	2140	Advanced Digital Circuits	6
ELTA	1100	Linear Circuits Basics	4
ELTA	2100	Advanced Linear Circuits	4

SELECT ONE OF THE FOLLOWING SEQUENCES:

ELTA	2020	Technician Certification	2
ELTA	2150	Communication Systems	4
ELTA	2480	F.C.C. License Preparation	4
	OR		
ELTA	2300	Microprocessors	4
ELTA	2350	Microprocessor Applications	6

ELECTIVE

ELTA	1040	Technical Basic	2

APPRENTICESHIP FIELD MACHINIST TECHNOLOGY

The program is designed to meet individual industry needs through course offerings. Please contact the Apprenticeship Office for courses in this area.

APPRENTICESHIP HEATING, COOLING, AND REFRIGERATION TECHNOLOGY (HVAC)

THE PROGRAM

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 regi-stering 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.

PREPARATION NOTE

Educational suggestions for high school subjects include basic mathematics, geometry, algebra, physics, welding, blueprint reading, and mechanical drawing.

PREREQUISITES

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 0970 or must enroll in HVAC 1470 math course prior to enrollment in HVAC core courses.

CLASS AVAILABILITY

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. A trimester for the first year curriculum will only be offered with sufficient demand to those students requiring a math prerequisite course.

NOTE: HVAC 1110 and HVAC 1120 are Core Segments and MUST be taken in the order at the beginning of the program.

Upon completion of these two Core Segments, the student may elect to take one of two tracks:

Installer Series		HVAC 1210 and HVAC 1220
	OR	
Service Series		HVAC 2310 and HVAC 2320, HVAC 2410 and HVAC 2420

A departmental certificate will be awarded for the completion of the Installer series and the Service Series. A Diploma will be awarded upon completion of all eight semesters, LE 1220 and COM 1010.

The following 2000 CO-OP and all general education courses are given in a suggested sequence for students seeking an Associate of Applied Science degree. The courses with an HVAC abbreviation except the CO-OP courses must be taken to complete the apprenticeship core curriculum.

SUGGESTED SEQUENCE

FIRST SEMESTER

HVAC	1110	HVAC IA	5
HVAC	2000	Heat, Vent Air Specialties	5

SECOND SEMESTER

COM	1010	Elements of Effective Communication	3
HVAC	1120	HVAC IB	5

THIRD SEMESTER

HVAC	1210	HVAC IIA	5
LE	1300	Human Relations and Self-Esteem	2

FOURTH SEMESTER

ENGL	1010	Introduction to Writing	3
HVAC	1220	HVAC IIB	5

FIFTH SEMESTER

HVAC	2310	HVAC IIIA	5
IND	1400	Principles of Technology	3

SIXTH SEMESTER

FIN	1050	Personal Finance	3
HVAC	2320	HVAC IIIB	5

SEVENTH SEMESTER

HVAC	2410	HVAC IVA	5
HVAC	2000	Heat, Vent Air Specialties	5

EIGHTH SEMESTER

HVAC	2420	HVAC IVB	5
____	____	General Education Elective Credit	3

APPRENTICESHIP HEAVY-DUTY REPAIR

The Heavy-Duty Repair 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.

APPRENTICESHIP HOSPITALITY MANAGEMENT

The program is designed to meet individual industry needs through course offerings. Please contact the Apprenticeship Office for courses in this area.

APPRENTICESHIP INDEPENDENT ELECTRICAL CONTRACTORS TECHNOLOGY

THE PROGRAM

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 Occu-pational 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 is a National Curriculum and has been articulated statewide.

PREPARATION NOTE

Educational suggestions for high school subjects include basic mathematics, geometry, algebra, physics, welding, wood shop, blueprint reading, and mechanical drawing.

PREREQUISITES

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 0970 or equivalent, or complete IEC 1470 (Math for the Trades) with a grade of C or higher.

CLASS AVAILABILITY

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 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.

The following IEC 2000 CO-OP and all general education courses are given in a suggested sequence for students seeking an associate of applied science degree. The courses having an IEC abbreviation except the CO-OP courses must be taken to complete the apprenticeship curriculum.

SUGGESTED SEQUENCE

FIRST SEMESTER

IEC	1110	Electricity IA	5
IEC	2000	Electrical CO-OP	2-4

SECOND SEMESTER

COM	1010	Elements of Effective Communication	3
IEC	1120	Electricity IB	5

THIRD SEMESTER

IEC	1210	Electricity IIA	5
LE	1300	Human Relations and Self-Esteem	2

FOURTH SEMESTER

IEC	1220	Electricity IIB	5
ENGL	1010	Introduction to Writing	3

FIFTH SEMESTER

IEC	2310	Electricity IIIA	5
IND	1140	Principles of Technology	3

SIXTH SEMESTER

IEC	2320	Electricity IIIB	5
FIN	1050	Personal Finance	3

SEVENTH SEMESTER

IEC	2410	Electricity IVA	5
IEC	2000	Electrical CO-OP	2-4

EIGHTH SEMESTER

IEC	2420	Electricity IVB	5
____	____	General Education Elective Credit	4

APPRENTICESHIP INDUSTRIAL MAINTENANCE AND REPAIR TECHNOLOGY

This is an industry specific program. Please contact the Apprenticeship Office for information regarding specific program requirements. These programs typically use several existing course offerings to gain the skills and related instruction needed.

APPRENTICESHIP INSTRUMENTATION TECHNOLOGY

PROGRAM

The Instrumentation Technology program trains apprentices in installing, maintaining, repairing, calibrating and troubleshooting instrumentation and control systems in such industries as petroleum refining, food processing, chemical manufacturing, power generation, and many others.

Students receive adequate training to sit for the ISA Certified Control System Technician (CCST). The CCST program promotes three levels (I, II, and III) of the professional development of the control systems technician, providing recognition and documentation of the technician's knowledge, experience, and education in measurement and control.

PREPARATION NOTE

Education suggestions for high school subjects include basic mathematics, geometry, algebra, physics, blueprint reading, and mechanical drawing.

PREREQUISITES

A journeyman electrician can waive the ELI courses. Incoming students with no previous education are required to complete the courses in the sequence given. 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 0970 or equivalent, or complete ELI 1470 (Math for the Trades) with a grade of C or higher.

CLASS AVAILABILITY

The classes listed are sequential and are to be taken in order. The courses may only be offered once each year so please check the class schedule for availability. 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.

SUGGESTED SEQUENCE

FIRST SEMESTER

ELI	1110	Electricity IA	5

SECOND SEMESTER

ELI	1120	Electricity IB	5

THIRD SEMESTER

INST	2020	Applied Math II for Elect/Instrum	2
INST	2010	Applied Physics for Elect/Instrum	4

FOURTH SEMESTER

INST	2110	Electronic Circuits I	2
INST	2120	Intro to Instrumentation	2

FIFTH SEMESTER

INST	2130	Electronic Circuits II	2
INST	2140	Digital Devices	3

SIXTH SEMESTER

INST	2210	Pressure Level & Measurements	4
INST	2220	Temperature Measurements	2

SEVENTH SEMESTER

INST	2230	Process Controllers & Tuning	3
INST	2240	Calibration Final Control Elements Procedures	2

EIGHTH SEMESTER

INST	2250	Analyt. Instrumnt/Troubleshoot	3
INST	2310	Smart Instruments	2

NINTH SEMESTER

INST	2320	Distributed Control Systems	2
INST	2410	CCST Prep, Level I, II, III	3

APPRENTICESHIP IRONWORKERS JATC TECHNOLOGY

THE PROGRAM

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 Iron-worker JATC and approved by the local sponsors.

PREPARATION NOTE

Education suggestions for high school subjects include basic mathematics, geometry, algebra, physics, welding, wood shop, blueprint reading, and mechanical drawing.

PREREQUISITES

All incoming apprentices must gain approval from the local JATC before registering for classes.

CLASS AVAILABILITY

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.

The following ISA 2000 CO-OP and all general education courses are given in a suggested sequence for students seeking an Associate of Applied Science degree. Courses having an ISA abbreviation, except the CO-OP courses, must be taken to complete the apprenticeship curriculum.

SUGGESTED SEQUENCE

FIRST SEMESTER

ISA	1110	Ironworker IA	5

SECOND SEMESTER

COM	1010	Elements of Effective Communication	3
ISA	1120	Ironworker IB	5

THIRD SEMESTER

ISA	1210	Ironworker IIA	5
LE	1300	Human Relations and Self-Esteem	2

FOURTH SEMESTER

ENGL	1010	Introduction to Writing	3
ISA	1220	Ironworker IIB	5

FIFTH SEMESTER

IND	1140	Principles of Technology	3
ISA	2310	Ironworker IIIA	5

SIXTH SEMESTER

FIN	1050	Personal Finance	3
ISA	2320	Ironworker IIIB	5

SEVENTH SEMESTER

____	_____	General Education Elective Credit	3
____	____	Related Elective Credit	4

APPRENTICESHIP LANDSCAPE TECHNOLOGY

THE PROGRAM

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 a knowledge of pesticides and control methods.

PREPARATION NOTE

Prospective apprentices are encouraged to complete courses in basic mathe-matics, geometry, algebra, basic blueprint reading, drafting, and botany courses.

PREREQUISITES

All entering students must demonstrate competence for placement into MATH 0970 by scoring a minimum of 75 on the arithmetic portion and 35 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.

CLASS AVAILABILITY

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.

SUGGESTED SEQUENCE

FIRST SEMESTER

LAND	1110	Plumbing/Pipefitting Applica.	5

SECOND SEMESTER

LAND	1120	Landscp Water Conserv./Elect.	5

THIRD SEMESTER

LAND	1210	Small Engine Repair/Mntenance	5

FOURTH SEMESTER

LAND	1220	Pest Mngmt/Sustnbl. Landscapes	5

FIFTH SEMESTER

LAND	2310	Fund./Soil Sci. & Hort. Sci.	5

SIXTH SEMESTER

LAND	2320	Woody Plant Mat/Turfgrass Mgt.	5

SEVENTH SEMESTER

LAND	2410	Arbor Culture	5

APPRENTICESHIP MACHINIST

THE PROGRAM
The machinist program is a four-year apprenticeship program which apprentices receive related instruction in the art of producing and manufacturing precision products. Knowledge of metallurgy and ability to perform precision work is essential to this trade. Training is available on standard and highly technical computerized equipment.

PREPARATION NOTE
Educational suggestions for high school subjects include basic mathematics, geometry, algebra, physics, machine shop, blueprint reading, and mecha-nical drawing.

PREREQUISITES
All entering students must demonstrate competence for placement into MATH 0970 by scoring a minimum of 75 on the arithmetic portion and 35 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 better before registering for the machinist program.

CLASS AVAILABILITY
The classes are to be taken in the sequence in which they are listed. A student must complete each class with a C or higher grade to move into the next level class. Each course will be offered twice a year in both fall and spring semesters. The following 2000 CO-OP and all general education courses are given in a suggested sequence for students seeking an Associate of Applied Science degree. The courses having an MSI abbreviation except the CO-OP courses must be taken to complete the apprenticeship curriculum.

SUGGESTED SEQUENCE

FIRST SEMESTER

MSI	1110	Machinist IA	5
MSI	2000	Machinist CO-OP	2-4

SECOND SEMESTER

COM	1010	Elements of Effective Communication	3
MSI	1120	Machinist IB	5

THIRD SEMESTER

LE	1300	Human Relations and Self-Esteem	2
MSI	1210	Machinist IIA	5

FOURTH SEMESTER

ENGL	1010	Introduction to Writing	3
MSI	1220	Machinist IIB	5

FIFTH SEMESTER

MSI	2000	Machinist CO-OP	2-4
MSI	2310	Machinist IIIA	5

SIXTH SEMESTER

FIN	1050	Personal Finance	3
MSI	2320	Machinist IIIB	5

SEVENTH SEMESTER

MSI	2000	Machinist CO-OP	2-4
MSI	2410	Machinist IVA	5

EIGHTH SEMESTER

MSI	2420	Machinist IVB	5
____	____	General Education Elective Credit	3

APPRENTICESHIP METAL FABRICATION AND JOINTING TECHNOLOGY

PREPARATION NOTE
Educational suggestions for high school subjects include basic mathematics, geometry, algebra, physics, welding, blueprint reading and mechanical drawing.

CLASS AVAILABILITY
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.

SUGGESTED SEQUENCE

FIRST SEMESTER

APPR	1470	Math for Trades	5
LE	1220	Human Relations for Career Development	3
WLDA	1005	Related Welding	3

SECOND SEMESTER

WLDA	1110	Fundamentals of Welding	4
WLDA	1111	Fundamentals of Welding Lab	2
WLDA	2000	Welding CO-OP	2-4

THIRD SEMESTER

WLDA	1120	Welding Processes and Quality	4
WLDA	1121	Welding Processes and Quality Lab	2
WLDA	2000	Welding CO-OP	2-4

FOURTH SEMESTER

IND	1148	Math for Welders	3
WLDA	1260	Blueprint for Welding	3
WLDA	2000	Welding CO-OP	2-4

FIFTH SEMESTER

WLDA	1230	Gas Shield Welding/Inspection Gas	4
WLDA	1231	Gas Shield Welding/Inspection Lab	2
WLDA	2000	Welding CO-OP	2-4

SIXTH SEMESTER

IND	1140	Principles of Technology	3
COM	1010	Elements of Effective Communication	3
WLDA	2000	Welding CO-OP	2-4

SEVENTH SEMESTER

WLDA	1240	Flux Core, Pipe and Fabrication	4
WLDA	1241	Flux Core, Pipe and Fabrication Lab	2
_____	____	General Education Elective Credit	3

EIGHTH SEMESTER

FIN	1050	Personal Finance	3
ENGL	1010	Introduction to Writing	3
_____	____	General Education Elective Credit	3

APPRENTICESHIP MILLWRIGHTS JATC TECHNOLOGY

THE PROGRAM
Millwrights fabricate, lay out, assemble and maintain many different types of machinery including monorails, conveyers, turbine generators, pumps, fans and blowers and reactors. They use blueprints, lay out precision instruments, hand tools, shaft levels, micrometer and dial indicators. 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.

PREPARATION NOTE
Educational suggestions for high school subjects include basic mathematics, geometry, algebra, physics, welding, blueprint reading, and mechanical drawing.

PREREQUISITES
All entering students must demonstrate competence for placement into MATH 0970 by scoring a minimum of 75 on the arithmetic portion and 35 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 millwrights program.

CLASS AVAILABILITY
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. Each course will be offered twice each year in fall and spring semesters.

The following MIL 2000 CO-OP and all general education courses are given in a suggested sequence for students seeking an Associate of Applied Science degree. The courses having a MIL abbreviation, except the CO-OP courses, must be taken to complete the apprenticeship curriculum.

SUGGESTED SEQUENCE

FIRST SEMESTER

MIL	1110	Millwright IA	5

SECOND SEMESTER

COM	1010	Elements of Effective Communication	3
MIL	1120	Millwright IB	5

THIRD SEMESTER

LE	1300	Human Relations and Self-Esteem	2
MIL	1210	Millwright IIA	5

FOURTH SEMESTER

ENGL	1010	Introduction to Writing	3
MIL	1220	Millwright IIB	5

FIFTH SEMESTER

IND	1140	Principles of Technology	3
MIL	2310	Millwright IIIA	5

SIXTH SEMESTER

FIN	1050	Personal Finance	3
MIL	2320	Millwright IIIB	5

SEVENTH SEMESTER

MIL	2410	Millwright IVA	5
____	____	General Education Elective Credit	3

EIGHTH SEMESTER

MIL	2420	Millwright IVB	5

APPRENTICESHIP OPERATING ENGINEERS TECHNOLOGY

THE PROGRAM

Training is provided on all heavy equipment for operators to safely handle and manipulate. This includes scrapers, dozers, rollers, compactors, etc. and all types of cranes including hand signals and safety. This program is a competency-based national curriculum requiring that all of the modules and 6,000 hours of on-the-job training be completed.

PREPARATION NOTE

Educational suggestions for high school subjects include basic mathematics, geometry, algebra, physics, welding, blueprint reading and mechanical drawing.

PREREQUISITES

All entering students must demonstrate competence for placement into MATH 0970 by scoring a minimum of 75 on the arithmetic portion and 35 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 millwrights program.

CLASS AVAILABILITY

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. Each course will be offered twice each year in fall and spring semesters.

SUGGESTED SEQUENCE

FIRST SEMESTER

HDEO	1110	Heavy Duty Equipment Operator IA	5

SECOND SEMESTER

HDEO	1120	Heavy Duty Equipment Operator IB	5

THIRD SEMESTER

HDEO	1210	Heavy Duty Equipment Operator IIA	5

FOURTH SEMESTER

HDEO	1220	Heavy Duty Equipment Operator IIB	5

FIFTH SEMESTER

HDEO	2310	Heavy Duty Equipment Operator IIIA	5

SIXTH SEMESTER

HDEO	2320	Heavy Duty Equipment Operator IIIB	5

APPRENTICESHIP PLUMBER/PIPEFITTER INDEPENDENT TECHNOLOGY

THE PROGRAM

Plumber/Pipefitters construct, 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. This short program is designed for Industry specific maintenance training where required and is part of an overall, comprehensive Apprentice Program.

PREPARATION NOTE

Education suggestions for high school subjects include basic mathematics, geometry, algebra, physics, welding, blueprint reading and mechanical drawing.

PREREQUISITES

All entering students must demonstrate competence for placement into MATH 0970 by scoring a minimum of 75 on the arithmetic portion and 35 on the algebra portion of the mathematics College Placement Test, provide a transcript showing a grade of C or higher in MATH 0920 or MATH 0950 or completing PLI 1470 (Math for the Trades) with a grade of C or higher before you register for the Plumber/Pipefitter program.

CLASS AVAILABILITY

The classes are to be taken in the sequence in which they are given. A student must complete a course with a C grade or higher to move on into the next level class. The courses are offered on an as need basis. Please contact the Apprenticeship office for course offerings.

SUGGESTED SEQUENCE

FIRST SEMESTER

PFI	1110	Pipefitter Independent IA	5

SECOND SEMESTER

PFI	1120	Pipefitter Independent IB	5

APPRENTICESHIP PLUMBER/PIPEFITTER JATC TECHNOLOGY

THE PROGRAM

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.

PREPARATION NOTE

Education suggestions for high school subjects include basic mathematics, geometry, algebra, physics, welding, blueprint reading, and mechanical drawing.

PREREQUISITES
All incoming apprentices must make application with and be approved by the JATC prior to registration for class.

CLASS AVAILABILITY
The classes are to be taken in the sequence in which they are given. A student must complete a course with a C grade or higher to move on into the next level class. Each course will be offered once per year in both fall and spring semesters.

The Plumber/Pipefitter JATC program requires the completion of an Associate of Applied Science degree to complete the apprenticeship program. The JATC will set up the required general education course offerings.

COURSE LISTING

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 and Care, Pipe Fittings	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	2311	Pumps and Steam Systems	2
PFA	2331	Brazing and Compressor Overhaul	2
PFA	2350	Drainage	2
PFA	2360	Water Supply	2
PFA	2441	Advanced Plan Reading	2
PFA	2450	Builders Level and Special Inst.	2
PFA	2460	Hydronics Systems	2
PFA	2470	Plumbing Fixtures and Appliances	2
PFA	2560	International Plumbing Code	2
PFA	2570	Test Prep-Code	2
PFA	2571	Test Prep-Math	2
PFA	2572	Test Prep-Shop	2
PFA	2520	Plumber/ Pipefitter V	7

APPRENTICESHIP PLUMBING INDEPENDENT TECHNOLOGY

THE PROGRAM
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 commencement of employment. Suggested registration with the Bureau of Apprenticeship and Training is strongly encouraged, but is optional at the discretion of the employer. If apprentices are not able to pass the journeyman exam after two attempts, the apprentice is required to return to school for additional course work. This curriculum is articulated statewide through all instructional institutions.

PREPARATION NOTE
Educational suggestions for high school subjects include basic mathematics, geometry, algebra, physics, welding, blueprint reading, and mechanical drawing.

PREREQUISITES
All entering students must demonstrate competence for placement into MATH 0970 by scoring a minimum of 75 on the arithmetic portion and 35 on the algebra portion of the mathematics College Placement Test, provide a transcript showing a grade of C or higher in MATH 0920 or MATH 0950 or completing PLI 1470 (Math for the Trades) with a grade of C or higher before you register for the Plumber program.

CLASS AVAILABILITY
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.

The following PLI 2000 CO-OP and all general education courses are given in a suggested sequence for students seeking an Associate of Applied Science degree. The courses with a PLI abbreviation with the above exception must be taken to complete the apprenticeship portion of the curriculum.

SUGGESTED SEQUENCE

FIRST SEMESTER			
PLI	1110	Plumbing IA	5
PLI	2000	Plumbing CO-OP	3-5
SECOND SEMESTER			
COM	1010	Elements of Effective Communication	3
PLI	1120	Plumbing IB	5
THIRD SEMESTER			
LE	1300	Human Relations and Self-Esteem	2
PLI	1210	Plumbing IIA	5
FOURTH SEMESTER			
ENGL	1010	Introduction to Writing	3
PLI	1220	Plumbing IIB	5
FIFTH SEMESTER			
IND	1140	Principles of Technology	3
PLI	2310	Plumbing IIIA	5
SIXTH SEMESTER			
FIN	1050	Personal Finance	3
PLI	2320	Plumbing IIIB	5
SEVENTH SEMESTER			
PLI	2000	Plumbing CO-OP	3-5
PLI	2410	Plumbing IVA	5
EIGHTH SEMESTER			
PLI	2420	Plumbing IVB	5
____	____	General Education Elective Credit	3

APPRENTICESHIP REFRIGERATION JATC TECHNOLOGY

THE PROGRAM
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 adher-

ence 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.

PREPARATION NOTE
Educational suggestions for high school subjects include basic mathematics, geometry, algebra, physics, welding, blueprint reading, and mechanical drawing.

PREREQUISITES
All incoming apprentices must apply with and be approved by the JATC prior to registration for class.

CLASS AVAILABILITY
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. Each course will be offered once each year in the fall and spring semesters.

The Refrigeration JATC program requires the completion of an Associate of Applied Science degree to complete the apprenticeship program. The JATC will set up the require general education course offerings.

COURSE LISTING

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	2540	Start, Test and Balance II	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	2560	Instrumentation, Process Cntrl	2
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

APPRENTICESHIP SHEET METAL JATC TECHNOLOGY

THE PROGRAM
Sheet metal workers in the JATC program fabricate and install sheet metal ducting in new construction, remodeling and repair of existing systems. This four-year program requires an apprentice to work 8,000 minimum hours on the job and complete a minimum of 576 clock hours in related instruction. The program is registered with the Bureau of Apprenticeship and Training which has approved the program and gives certification upon completion.

PREPARATION NOTE
Educational suggestions for high school subjects include basic mathematics, geometry, algebra, physics, welding, blueprint reading, and mechanical drawing.

PREREQUISITES
Entering students must obtain approval from the JATC before registering for classes. An apprentice must demonstrate competence for math and other areas completing the entrance testing required by the JATC.

CLASS AVAILABILITY
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. Each course will be offered fall and spring semesters.

The following SMA 2000 CO-OP and all general education courses are given in a suggested sequence for students seeking an Associate of Applied Science degree. The courses having an SMA abbreviation with the above exception must be taken to complete the apprenticeship core curriculum.

SUGGESTED SEQUENCE

FIRST SEMESTER

SMA	1110	Sheet Metal IA	5
SMA	2000	Sheet Metal CO-OP	2-4

SECOND SEMESTER

COM	1010	Elements of Effective Communication	3
SMA	1120	Sheet Metal IB	5

THIRD SEMESTER

LE	1300	Human Relations and Self-Esteem	2
SMA	1210	Sheet Metal IIA	5

FOURTH SEMESTER

ENGL	1010	Introduction to Writing	3
SMA	1220	Sheet Metal IIB	5

FIFTH SEMESTER

IND	1140	Principles of Technology	3
SMA	2310	Sheet Metal IIIA	5

SIXTH SEMESTER

FIN	1050	Personal Finance	3
SMA	2320	Sheet Metal IIIB	5

SEVENTH SEMESTER

SMA	2410	Sheet Metal IVA	5
____	____	General Education Elective Credit	3

EIGHT SEMESTER

SMA	2420	Sheet Metal IVB	5
SMA	2000	Sheet Metal CO-OP	2-4

APPRENTICESHIP STAGEHAND JATC TECHNOLOGY

THE PROGRAM
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.

PREPARATION NOTE
Education suggestions for high school subjects include basic mathematics, geometry, algebra, physics, welding, wood shop, blueprint reading, and mechanical drawing.

PREREQUISITES
There are no prerequisites to enter into this program other than approval by the JATC.

CLASS AVAILABILITY
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 onto the next level class.

The following SHA 2000 CO-OP and all general education courses are given in a suggested sequence for students seeking an Associate of Applied Science degree. The courses having a SHA abbreviation except CO-OP courses must be taken to complete the apprenticeship core curriculum.

SUGGESTED SEQUENCE

FIRST SEMESTER

SHA	1110	Stagehand IA	5
SHA	2000	Stagehand CO-OP	2-4

SECOND SEMESTER

COM	1010	Elements of Effective Communication	3
SHA	1120	Stagehand IB	5

THIRD SEMESTER

LE	1300	Human Relations and Self-Esteem	2
SHA	1210	Stagehand IIA	5
SHA	2000	Stagehand CO-OP	2-4

FOURTH SEMESTER

ENGL	1010	Introduction to Writing	3
SHA	1220	Stagehand IIB	5
SHA	2000	Stagehand CO-OP	2-4

FIFTH SEMESTER

IND	1140	Principles of Technology	3
SHA	2310	Stagehand IIIA	5

SIXTH SEMESTER

FIN	1050	Personal Finance	3
SHA	2000	Stagehand CO-OP	2
SHA	2320	Stagehand IIIB	5

SEVENTH SEMESTER

____	____	General Education Elective Credit	3
____	____	Related Elective Credits	4

(Suggested related courses are: welding, CAD drafting, blueprint reading, electricity, and electronics.)

APPRENTICESHIP TELECOMMUNICATIONS TECHNOLOGY

PREPARATION NOTE

Educational suggestions for high school subjects include basic mathematics, geometry, algebra, physics, blueprint reading, and mechanical drawing.

CLASS AVAILABILITY

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. An Associate of Applied Science Degree is available; please check the catalog for required courses.

SUGGESTED SEQUENCE

FIRST SEMESTER

TELA	1110	Telecommunications IA	5

SECOND SEMESTER

TELA	1120	Telecommunications IB	5

THIRD SEMESTER

TELA	1210	Telecommunications IIA	5

FOURTH SEMESTER

TELA	1220	Telecommunications IIB	5

FIFTH SEMESTER

TELA	2310	Telecommunications IIIA	5

SIXTH SEMESTER

TELA	2320	Telecommunications IIIB	5

APPRENTICESHIP WELDING

(See “Apprenticeship Metal Fabricating and Jointing Technology”)

SKILLS CENTER

South City Campus
1575 S. State Street, room W138 - (801) 957-3354

Redwood Road Campus
Student Center, room 230S - (801) 957-4097
www.slcc.edu/schools/skills

MISSION STATEMENT
The Salt Lake Community College Skills Center represents the state's commitment to provide quality vocational/technical training for people who are educationally, socially, or economically disadvantaged and for people with disabilities.

The Skills Center offers open-entry/open-exit, competency-based, non-credit courses and intensive student support services. Programs and services are individualized, flexible, and responsive to business and industry requirements and the education and training needs of an ever-changing, diverse community.

ADMISSION TO SKILLS CENTER PROGRAMS
Students who wish to enter a Skills Center program must apply at the Skills Center Enrollment Services, W138 at the South City Campus 8 a.m. to 5:30 p.m. Monday, Tuesday and Thursday; 8 a.m. to 8 p.m. Wednesday; and 8 a.m. to 4 p.m., Friday or at the Skills Center Enrollment Services at the Redwood Road Campus, Student Center, Room 230S, between 8 a.m. and 4 p.m., Monday through Wednesday.

Students are admitted to Skills Center classes on a weekly or modular-entry basis. New student orientations are held on Fridays and class work begins on the following Monday. Most programs are individualized.

SKILLS CENTER PROGRAMS

ELECTRONICS AND COMPUTER TECHNOLOGY
- Electronics Assembly Technician
- Electronics Technician
- Network Administrator (MCSA)
- Network Engineer (MCSE)
- Computer Support Specialist (A+ Certification)
- Linux Network Administrator
- Linux Support Specialist

PROJECTS WITH INDUSTRY (PWI)
(SPECIAL ELIGIBILITY REQUIREMENTS APPLY)
- Technical Support Skills

HEALTH CARE INDUSTRY
- Certified Nurse Assistant
- Certified Nurse Assistant, Spanish to English
- Health Unit Clerk/Coordinator
- Basic Health Records
- Medical Coding Procedures
- Data Entry for Medical Billing

OFFICE INFORMATION SYSTEMS
- Accounting Clerk
- Customer Service/Receptionist
- Office Clerk
- General Clerk
- Office Specialist (Tooele)

SKILLED TRADES
- Air-Conditioning/Heating/Refrigeration
- Carpentry/Hazmat
- Diesel systems Technology
- Professional Truck Driving
- Welding

PRE-TRAINING PREPARATION
(NO CREDIT OFFERED OR CERTIFICATES GIVEN)
- Adult Basic Education: Reading, Writing and Math
- Armed Services Vocational Aptitude Test Preparation
- CDL Learners Permit Preparation (class A and B)
- Computer Technology Basics
- English-as-a-Second Language (ESL) (levels 1-3)
- GED Preparation
- Skills Center Integrated Learning (SCIL) Lab

ADDITIONAL PROGRAMS
Skills Center training programs are constantly updated. New programs are developed to meet employment needs of the community with a strong emphasis placed on vocational training for success in today's job market.

CERTIFICATE OF COMPLETION
Certificates of completion will be awarded to students who successfully complete a defined, financial-aid eleigible course of study at the Skills Center. These Certificates of Completion are issued under the authority of the Utah State Board of Regents. Students in other programs will receive Certificates.

STUDENT INFORMATION AND SUPPORT SERVICES

REGISTRATION
A nonrefundable $35 registration fee is required at the time of enrollment. This fee covers application, assessment, orientation (if needed), parking permits, and student identification card. Students may re-enter a Skills Center program within two calendar years with no additional fees.

SPECIFIC TRAINING NEEDS
Most Skills Center programs provide an opportunity for "brush-up" work so that students can improve their skills in a specific area. For example, students may want to improve a welding technique, learn a spreadsheet program such as MS Excel, take a medical terminology or ICD-9 insurance coding class, or improve basic skills in the SCIL Lab. Instruction in these classes is purchased at the rate of $2.25 per hour with a $35 registration fee.

ASSESSMENT
The Skills Center's assessment services at South City Campus assist individuals in making realistic career decisions based upon an assessment of academic skills, vocational interest, work values, vocational aptitude, physical dexterities, occupational and labor market information, and vocational advising.

The assessment services provide students with the information needed to make the best possible training and employment decisions. The following tests are available:

- Adult Basic Skills
- Career Choices
- GED Testing
- Nursing Assistant Written and Basic Skills Certification Testing

For other tests listed, contact Skills Center Assessment Services at South City Campus, room W124, (801) 957-3249.

PROGRAM COSTS AND STUDENT FEES
Cost for Skills Center programs is $2.25 per scheduled clock hour, which includes student fees. Books and supplies are separate costs. See a Skills Center Admissions Advisor for total program costs. Students whose program cost is paid by a community agency need an authorization form from the agency before assessment or enrollment.

NON-RESIDENT FEES
Non-residents are required to pay a special fee. Utah state law generally requires that adults live in Utah for 24 continuous months before they can be classified as a resident for higher education tuition purposes and during that time they must take steps to establish a domicile in the state. Students who are in the U.S. on visas (visitor,

student, etc.) must always pay nonresident fees. At the time application for admission is made, students are classified as either a resident or non-resident. Under certain circumstances, classification as a non-resident can be appealed. For more information about the appeal process, please call Enrollment Services at (801) 957-3354.

WITHDRAWAL/REFUNDS
It is the student's responsibility to notify his/her instructional advisor in writing of intent to withdraw from training. Withdrawal forms are available in the instructional advisors' offices. Refund amounts are calculated using scheduled hours, not actual hours of attendance.

For most programs, Skills Center students are charged on a monthly basis according to the number of scheduled hours for the month. When a student withdraws from a program for which an hourly rate is charged, any amount that has been received for scheduled hours beyond the date of withdrawal will be refunded.

Some Skills Center programs require payment in full upon enrollment. When a student withdraws from one of these programs before reaching 50% of their scheduled hours, the flat rate will be converted to the appropriate hourly rate. Charges will be calculated on scheduled hours up to the date of withdrawal and any difference will be refunded. Registration fees and program costs for specific training needs courses are non-refundable.

NOTE: Refunds will not be given after 50% of the scheduled program hours have been accrued.

Students who fail to withdraw following the procedure outlined above will not normally receive a refund. Exceptions to the procedure may be granted by the Review Committee in extenuating circumstances. Forms to request an exception are available in the instructional advisors' offices or room W136, South City Campus. Refund checks are usually processed within three weeks of the student's official withdrawal from the program and are mailed to the student's local address.

NOTE: Early program completers are not eligible for refunds.

FINANCIAL AID
The Skills Center assists students who have financial needs. A number of state and federal sources of assistance are available to eligible students. Referral to funding resources is available through Skills Center's Financial Aid Offices, South City Campus, Rooms W142 and W144.

When receiving financial aid, students and their families are expected to assume some responsibility for meeting the cost of education. The expected contribution from students and family is determined by income, assets, number of dependents and other relevant information. Most financial assistance is awarded when the cost of attending the Skills Center is greater than resources available. Financial aid is awarded only to students who maintain satisfactory progress in eligible programs.

To apply for federal financial aid, students must complete the application for federal financial aid, mail it to the processor, or apply on the following web address: www.fafsa.edu.gov. Students must also complete the Skills Center Financial Aid Information Form.

RECORDS
Transcripts of each Skills Center student's competencies are kept in the Skills Center MIS Office. Copies of student records are available upon the written request of the student. Records request forms are available in the MIS Office, room W170, South City Campus. The non-refundable cost for each transcript is $2. Any financial obligation owed to the Skills Center or to the College must be cleared before a transcript will be released. Records will be released only to the student or the person designated in writing. A picture ID is required.

HIGH SCHOOL AND COLLEGE CREDIT
Students can earn high school credits for Skills Center classes and from local school district adult education programs. Certain Skills Center classes may be articulated for Salt Lake Community College credit upon application for matriculation to a related degree/diploma program.

DISABILITY SUPPORT SERVICES
Individuals with disabilities who intend to enroll, or are currently enrolled, in Skills Center programs are strongly encouraged to register for assistance and request accommodations through the disability Support Services (DSS) Office, located in Room W132 at South City Campus, 957-3337. Accommodations and services are based on individual student needs and documented limitations caused by the disability/ies. Services include:

- Advising/counseling
- DSS orientations
- Individualized determination and coordination of all accommodations:
  - Interpreters
  - Readers, Scribes, Notetakers
  - Testing Accomodations
  - Books on Tape
  - Large print
  - Braille
  - Specialized Adaptive Equipment
  - Assistive Devices
  - Learning Strategies
  - Mobility Assistance
- Community-based Agency Referrals and Cooperation
- Staff and Faculty Consultation
- Other Services as Approriate

Disclosure of all diability information is voluntary and is kept confidential, but must be verified by DSS in order to receive DSS accommodations and services.

CAREER RESOURCES

EMPLOYMENT WORKSHOP

Employment workshops provide intensive instruction in job-seeking and job-keeping skills for students who have participated in classroom training. Students should refer to their specific training program for workshop requirements, either scheduled hours or as arranged. Workshops are designed to assist students in obtaining entry-level, training-related employment and emphasize the following:

- Identifying Employment Skills
- Completing Applications Effectively
- Resume Writing and Cover Letters
- Interviewing Skills
- Mock Interviews with Employers
- Job Search Strategies and Techniques
  - Time Management
  - Networking
  - Tapping the Hidden Job Market
  - Identifying Potential Employers
- Job Retention
- One-on-One Employment Assistance

EMPLOYMENT SERVICES

The Skills Center is committed to helping students obtain employment upon completion of their training. Experienced employment specialists provide a full range of employment services. During enrollment, the following services are available to students at South City Campus, room N195, 8 a.m. to 4:30 p.m., or by appointment, Monday through Friday:

- Job Referrals
- Job Boards and Listings
- Employer Recruiting/Interviews on Campus

Typing/Ten-Key Tests (as arranged)
Labor-Market/Employment Information
One-on-One Employment Assistance
Telephones, Fax Machine, and TTY to Contact Employers
Computers for
- Resumes
- Cover Letters
- Internet Access
- Word Processing
- E-mailing Employers

Employment Workshops

STUDENT SATISFACTORY PROGRESS POLICY

SATISFACTORY PROGRESS

Students enrolled in the Skills Center programs meet with their instructor(s) at defined intervals, designated as blocks, throughout the program. Each block represents 25% of the total program hours. The purpose of the meeting is to review the student's progress and determine if the student can complete the program competencies within the allotted program hours.

There are two ways satisfactory progress is measured:

1. Quantitatively: completing the competencies defined for the courses contained within each block within 150% of the total hours allotted for the block in which the student is registered.

2. Qualitatively: satisfactorily completing the competencies for each course within the block.

NOTE: Sponsored students will follow the satisfactory progress requirements of their sponsoring agency. VA requires monthly review intervals.

FAILURE TO MEET SATISFACTORY PROGRESS

The first time a student fails to meet satisfactory progress for a block, she/he will be placed on probation for the next block while still receiving financial aid. During the probationary period, a student must meet all the competencies for the previous block and the current block within the required time limit (150% of the time allocated for the block). If the competencies are met within the prescribed time period, the student is taken off probation and financial aid will continue. If the competencies are not met, financial aid will be cancelled.

INSTRUCTIONAL PLAN

If, at any progress review interval, it is determined that the student is not making satisfactory progress in the program, the instructor(s) and the student will determine and document an appropriate plan of action in an instructional plan on the Satisfactory Progress Report. The plan may include, but is not limited to, the following:

1. Goals set by the student and instructor for the mastery of competencies by specific dates so that the student will be completed with the competencies for the courses within the block within 150% of the allotted program hours.

NOTE: VA students are required to complete training within the published program hours.

2. Goals set for managing time and attendance.

3. Referral to tutoring assistance.

4. Reassessment of learning styles, disabilities and/or basic skill levels.

5. Others as deemed relevant to individual student's needs.

The goals are documented on the instructional plan area of the Satisfactory Progress Report and a date for a follow-up consultation is scheduled with the student.

FAILURE TO MEET INSTRUCTIONAL PLAN

Students who fail to meet the goals as outlined on the Instructional Plan by the next review interval, will have the following occur:

1. For those who receive VA education benefits and/or federal financial aid, their benefits will be cancelled.

2. The instructional advisor will schedule a meeting with the instructor, the student, and the sponsoring agent (if applicable) to determine an acceptable course of action to ensure the student completes the program satisfactorily.

3. The student may be referred for additional assessment.

4. The student may be counseled to continue training in an alternative/modified program.

5. Additional tutorial/learning lab assistance may be suggested.

SATISFACTORY PROGRESS REPORT

Each instructional department will develop their own Student Satisfactory Progress Report to record the progress of the students. Each report will have a section describing the progress of the student and the instructional plan to accomplish satisfactory progress by the next review interval. The Departmental Progress Reports are available from the program coordinator or the Director of Instruction.

The student and instructor will sign the report. Copies are then given to the student and the student's instructional advisor.

MAKE-UP POLICY

The Skills Center has no make-up policy.

RE-ADMISSION OF FORMER STUDENTS

Students returning to the Skills Center after an absence of two full years must apply for readmission, pay the application fee and provide placement test scores if necessary.

Students who applied for admission within the past year, but did not attend, may simply update their application by coming to Enrollment Services. Reapplication is not necessary.

LEAVE OF ABSENCE

Students may be placed on a leave of absence for up to 30 days in cases of extreme emergency. Students are allowed one such leave during their training program.

All requests for leaves of absence must be in writing, signed by both the student and the appropriate school official, recorded on the school attendance records, and documented in the student's file prior to their leave of absence. A Leave of Absence is generally handled by the instructional advisor and communicated to the instructor.

PRE-TRAINING PREPARATION

ADULT BASIC EDUCATION

Professors: Dolores Rowley, Julie Van Moorhem
Assistant Professor: Martha Hess

South City Campus

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 SCIL (Skills Center Integrated Learning) Lab and is designed to supplement the classroom activities. Instruction is geared to meet the needs of the most elementary level adults through high school/college reading, writing and math skills.

Clock hours are determined on an individual basis for one or all of the following subjects:

READING
Vocabulary improvement, spelling, writing and reading comprehension.

WRITING
Composition, business correspondence, essay writing (for GED preparation or college entrance) and resumes.

MATHEMATICS
Concept development in whole numbers, fractions, decimals, percentages, measurements and vocational math (electronics, welding).

ARMED SERVICES VOCATIONAL APTITUDE BATTERY (ASVAB)TEST PREPARATION

Professors: Dolores Rowley, Julie Van Moorhem
Assistant Professor: Martha Hess

South City Campus

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.

CDL LEARNER'S PERMIT PREPARATION (CLASS A AND B)

Instructors: Rick Dalton, Al Drechsel

Meadowbrook Campus

This 16-hour course provides instruction that helps students prepare to take the CDL written test required to obtain a learner's permit prior to beginning the professional truck driving program. Instruction includes air brakes, tractor-trailer combinations and general trucking operations. Cost: $50, plus $5 registration fee. One classroom session and an additional $10 fee will be required for each of the following additional endorsement riders: hazardous materials, tankers, doubles and triples, and transporting passengers (bus driving).

COMPUTER TECHNOLOGY BASICS

South City Campus
Instructors: Richard Hemingway, Kathy Himle

This program is a hands-on introduction to personal computer hardware components and operating systems for the beginning computer professional. The program covers many essential hardware and operating system topics that serve as a foundation and prerequisite for the LAN Technician CNE and MSCE programs, as well as the PWI Computer Support and Network Technician program.

The program is divided into five courses:

KEYBOARDING
Students learn keyboarding by touch with a minimum of 20 wpm.

HARDWARE/SOFTWARE
Students learn basic computer architecture and components and how software and hardware are managed by the user.

DOS
The DOS operating system and its command line is the foundation of most IBM-type personal computers used today. Students are introduced to DOS and discover how to use DOS commands to maintain and manage the computer.

OPERATING SYSTEMS
In addition to DOS, students learn that there are many operating systems available for use on the computer. This class focuses on Windows, with introductions to Linux, Unix and others.

INTERNET AND E-MAIL
Students learn to use the internet as a tool for research and troubleshooting. Students will have the opportunity to subscribe to and use e-mail services.

Each course may be challenged by taking the appropriate test through the Skills Center Assessment Center. Students may enroll in the entire program or enroll only in courses that the challenge tests indicate that they need.

COURSE			CLOCK HOURS
KCBS	0110	Keyboarding	10
KCBS	0120	Hardware/Software	25
KCBS	0130	DOS	25
KCBS	0140	Windows and Operating Systems	50
KCBS	0150	Internet and E-mail	10
TOTAL HOURS			**120**

ENGLISH-AS-A-SECOND LANGUAGE (ESL)

Associate Professors: Mary Mellott, Cheryl Shurtleff.
Assistant Professor: Robyn Cruff.

South City Campus
Redwood Campus

The Skills Center offers three levels of ESL (beginning, intermediate and advanced) leading to vocational training or college level classes. A placement test (CELSA) is given to determine the appropriate level. Placement tests are arranged at the time of application to the program.

The following classes are available for each level:

1 hour computer-aided language instruction or commuicative activities to develop fluency
1½ hour Reading/Writing/Communication Skills class
1½ hour Grammar class
1 hour Listening and Note-Taking Skills class

Because this is an intensive English language program, full-time attendance is strongly recommended to encourage more rapid acquisition of English and is required for International students, as needed. Students may enroll with the following schedules:

FULL TIME STUDENTS
(recommended for all)

DAYTIME (REQUIRED FOR INTERNATIONAL STUDENTS):
5 hours/day, Monday - Thursday, as scheduled

EVENING:
4 hours/day Monday-Wednesday and 3 hours on Thursday, as scheduled and depending on computer lab.

PART TIME STUDENTS (DAYTIME OR EVENING)
Part time students are encouraged to take the core classes, i.e., Reading/Writing/Speaking, and Grammar
Day: Monday-Thursday, 15 hours/week, as scheduled
Evening: Monday-Thursday, 11 hours/week, as scheduled

PREREQUISITE
Each level has predetermined CELSA score ranges. A Skills Center Admissions Advisor will inform student of level after testing.

COURSE OFFERINGS

ESL LEVEL 1 (A AND B) - BEGINNING

KESL 0120 Reading/Writing/Speaking
Intro to basic reading, writing, and communication skills.

KESL 0110 Grammar
Introduction to basic parts of speech and verb forms.

KESL 0450 Language Lab
Computer-aided instruction in spelling, pronunciation, grammar, vocabulary, reading, writing, and keyboarding, and/or communicative activities to develop fluency.

ESL LEVEL 2 (A AND B) - INTERMEDIATE

KESL 0210 Grammar
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 0220 Reading/Writing/Speaking
Intermediate practice of reading and writing skills; vocabulary development; communication skills; cultural awareness.

KESL 0250 Listening and Note-Taking Skills
Introduce and develop listening strategies, note-taking and organizational skills, vocabulary building, and speaking abilities in various contexts.

KESL 0450 Language Lab
Computer-aided instruction in spelling, pronunciation, grammar, vocabulary, reading, writing, and keyboarding, and/or communicative activities to develop fluency.

ESL LEVEL 3 (A AND B) - ADVANCED

KESL 0310 Grammar
Advanced grammatical and complex sentence structures: Verb tense review; passive; complete modal usage; gerunds and infinitives; conditionals (optional).

KESL 0320 Reading/Writing/Speaking
Advanced reading and writing skills; vocabulary development; compositions; group discussions; presentations; cultural awareness.

KESL 0350 Listening and Note-Taking Skills
Refine listening strategies, note-taking and organizational skills, academic vocabulary building, cooperative speaking activities, and test-taking skills.

KESL 0450 Language Lab
Computer-aided instruction in spelling, pronunciation, grammar, vocabulary, reading, writing, and keyboarding, and/or communicative activities to develop fluency.

ESL LEVEL 3 (C) ADVANCED PRE-COLLEGE

KESL 0720 Reading/Writing
Thorough review of English grammar as needed for reading and writing; advanced reading and vocabulary skills; summaries; essays.

KESL 0730 Listening /Speaking
Note-Taking skills; lecture comprehension; prepared speeches; community service learning.

KESL 0740 Computer Skills
Introduction and practice as needed for college success: word processing, e-mail, Internet.

KESL 0750 Workshop
Pronunciation, debate, particular grammar points, vocabulary, etc. Student needs and interests determine actual curriculum.

GED TEST PREPARATION

Professors: Dolores Rowley, Julie Van Moorhem
Assistant Professor: Martha Hess

South City Campus

The GED Test Preparation courses are 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 Skills Center Integrated Learning (SCIL) lab also is used to strengthen classroom instruction and to prepare the student for the final GED exam.

KGED 0100 GED Test Preparation
KGED 0200 GED Prep. Social Studies
KGED 0300 GED Prep. Science
KGED 0400 GED Prep. Language Arts/Reading
KGED 0500 GED Prep. Language Arts/Writing

GED TESTS
Tests are given by appointment in the Skills Center Assessment Office. For an appointment and fee information, call (801) 957-3249, or inquire at the Skills Center Assessment Office in room W124, South City Campus.

INTEGRATED LEARNING (SCIL) LAB

Professors: Dolores Rowley, Julie Van Moorhem
Assistant Professor: Martha Hess

South City Campus

The SCIL lab provides computerized instruction in basic academic subjects: reading, vocabulary, math (through calculus), writing and keyboarding skills. SCIL lab activities also can help with preparation for taking the GED or college entrance exams (see GED course description). Life and job-seeking skills activities help students to become more self-sufficient. Dictionaries and calculators are available as computer reference tools. Students enrolled in writing are encouraged to build their keyboarding skills.

SCIL lab computerized activities traditionally are offered as part of the adult basic education and GED preparation programs. Students can, however, be scheduled into the lab if it is determined that their goals can be met by doing so and if there is a seat available in the lab.

Students can be given specific activity assignments by their instructor, or they can take the computerized placement test that automatically places the student at the level at which he/she should begin. Students progress through the activities at their own pace receiving immediate feedback on their responses. Tutorial activities provide additional help when needed.

ELECTRONICS AND COMPUTER TECHNOLOGY

ELECTRONICS ASSEMBLY TECHNICIAN CERTIFICATE

Assistant Professor: Gilbert Ulibarri, Jr.
Redwood Campus

Students learn to use the latest techniques and tools to ensure high reliability soldering in this two part, in-depth, 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, 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-610C.

CERTIFICATION
Successful students could earn the PACE® Certification in Surface Mount Assembly and Rework and the IPC-A-610C Worker Proficiency Training Certification. (Certification costs are included in the cost of the program.)

COURSE			CLOCK HOURS
KELA	0150	Universal Assembly and Repair Module	75
KELA	0160	Surface Mount Technology (SMT) Assembly and Repair Module	70
KELA	0170	IPC-A-610C Worker Proficiency Module	35
KELA	0290	Employment Workshop	0-10
TOTAL HOURS			**120**

ELECTRONICS TECHNICIAN CERTIFICATE OF COMPLETION

Assistant Professor: Gilbert Ulibarri, Jr.
Redwood Campus

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. The course covers electronic components, how they function and how to test devices. Introduction modules on trouble-shooting techniques, schematic symbols and diagrams are used to enable students to learn the skills required. Students learn the skills required of an electronic technician to understand, maintain, troubleshoot and repair modern electronic equipment.

CERTIFICATION
Successful students may be certified in the following areas: PACE® Surface Mount and Rework Certification, IPC-A-610C Worker Proficiency Training Certification and the International Society of Electronics Technician (ISCET) Certification.

COURSE				CLOCK HOURS
KET2	0115	Electronics Assembly		180
KET2	0120	Electronics Math		100
KET2	0130	Direct-Current Electronics		160
KET2	0145	Alternating-Current Electronics		165
KET2	0155	Devices and Circuits		170
KET2	0165	Digital Electronics		170
KET2	0170	Computer Technology Basics		120
KET2	0290	Employment Workshop		0-10
ELECTIVES: (SELECT ONE)				**100**
KET2	0210	Microcomputer Fundamentals	(100)	
KET2	0220	Cooperative Internship	(100)	
KET2	0230	Electronics Troubleshooting	(100)	
KET2	0240	ISCET Exam Preparation	(100)	
TOTAL HOURS				**1,165**

NETWORK ADMINISTRATOR (MCSA) CERTIFICATE OF COMPLETION

This program uses the most current Microsoft approved course materials to prepare students to take industry tests to earn the CompTIA Network +, Microsoft Certified Professional (MCP), and Microsoft Certified Systems Administrator (MCSA) certificates. The MCSA/MCSE certified instructors guide students through hands-on and individualized instruction. Students learn to effectively install, maintain, troubleshoot, and otherwise carry out system administrator functions on networks running Windows. Industry conferences and workshops are included as supplemental classroom activities geared toward informing students of trends and changes within the industry. Students who are motivated, willing to set and accomplish goals, and prepared to study 2-3 hours a day outside of the classroom are the most successful in this rigorous program.

COURSE				CLOCK HOURS
KMNA	0110	Networking Technologies		150
KMNA	0125	Configuring Windows Clients		150
KMNA	0135	Server Environment Manager		150
KMNA	0140	Managing Windows Network		35
KMNA	0295	Employment Workshop		15
ELECTIVES (CHOOSE ONE)				**95**
KMNA	0205	Cooperative Internship	(95)	
KMNA	0220	Extended Cert. Test Prep	(95)	
TOTAL HOURS				**700**

PREREQUISITES
Students enrolling in this program must show competency in one of the following areas:

Successful completion of the Computer Support Specialist program

Possession of an A+ certification

80% score on the challenge test with a recommendation from the instructor.

CERTIFICATION
Courses offered in this program directly reflect the most current requirement for certifying in the following areas:

CompTIA Network +
Microsoft Certified Professional (MCP)
Microsoft Certified Systems Administrator (MCSA)

Certification is not required for successful completion of this program.

NETWORK ENGINEER MICROSOFT CERTIFIED SYSTEMS ENGINEER (MCSE) CERTIFICATE OF COMPLETION

South City Campus

This program uses Microsoft-approved course materials to prepare students to take industry certification tests so they can earn the Microsoft Certified Systems Engineer (MCSE) Certificate from Microsoft. The MCSE certified instructors teach students, through hands-on activities and individualized instruction, to effectively install, maintain and troubleshoot computer networks running Windows 2000. Industry conferences, and workshops are included as supplemental classroom activities geared toward informing students of trends and changes within the industry. Students who are motivated, willing to set and accomplish goals and willing to study outside of the classroom are the most successful in this rigorous program. This program provides the latest courses required by Microsoft for the MCSE certificate.

PREREQUISITES
Students enrolling in this program must show competency in one of the following areas:

Successful completion of the Computer Support Specialist program
Possession of an A+ certification
80% score on the challenge test with a recommendation from the instructor.

CERTIFICATION
Courses offered in this program directly reflect the most current requirement for certifying in the following areas:

Microsoft Certified Professional (MCP)
Microsoft Certified Systems Administrator (MCSA)
Microsoft Certified Systems Engineer (MCSE)

Certification is not required for successful completion of the program.

COURSE		CLOCK HOURS
KNEG 0135	Configuring Windows Clients	150
KNEG 0145	Server Environment Manager	150
KNEG 0150	Network Infrastructure	150
KNEG 0165	Administer Directory Services	150
KNEG 0175	Designing Network Environments	135
KNEG 0180	Planning the Infrastructure	140
KNEG 0190	Network Security	140
KNEG 0295	Employment Workshop	5
ELECTIVES (CHOOSE ONE)		**80**
KNEG 0205	Cooperative Internship (80)	
KNEG 0220	Extended Cert. Test. Prep. (80)	
TOTAL HOURS		**1,100**

COMPUTER SUPPORT SPECIALIST (A+ CERTIFICATION) CERTIFICATE OF COMPLETION

Assistant Professor: Gilbert Ulibarri, Jr.
Instructors: Richard Hemingway, Kathy Himle.

South City Campus and Tooele Education Center

This program provides students hands-on training in microcomputer configurations, installations, component upgrading, diagnosis, repair and preventive maintenance. It stresses service and support of video displays, storage media, printers, basic operating systems, modems, buses, CD-ROMs, DVDs, and other system components. Students learn basic troubleshooting techniques required to configure, install, upgrade, and diagnose operating systems such as DOS, Windows 95/98/NT/2000, and LINUX.

The program prepares students for the two examiniations offered by the Computing Technology Industry Association (Comp TIA), and required for certification: Core subjects and DOS/Windows.

COURSES		CLOCK HOURS
KCMS 0110	Computer Technology Basics	120
KCMS 0120	Operating System Technologies	130
KCMS 0130	A+ Core Exam Module	275
KCMS 0290	Employment Workshop	0-10
ELECTIVES (CHOOSE ONE)		**150**
KCMS 0200	Cooperative Internship (150)	
KCMS 0210	Networking Technologies (150)	
KCMS 0220	Server Hardware (150)	
KCMS 0230	Internet Technician (150)	
TOTAL HOURS		**675**

CERTIFICATION
Successful students could become A+ Certified which consists of these two examinations offered by the Computing Technology Industry Association: the A+ CORE and Operating Systems Technologies certification tests.

LINUX NETWORK ADMINISTRATOR CERTIFICATE OF COMPLETION

Site: South City Campus
Instructors: Steven Fogg, Edward Walsh

This program is geared toward students with some previous computer technical skill and knowledge who wish to enhance their skills by learning the increasingly popular Linux operating system. Through the use of hands-on labs and individualize instruction students will gain an intimate knowledge of Linux and its potential in the business world. Throughout this course students will learn to install, configure, and troubleshoot Linux servers and the network applications they provide. Topics explored and implemented in the class include the setup and maintenance of many of the most popular network services available for Linux and Unix today, including servers for DNS, LDAP, Web (HTTP, HTTPS), FTP, SMB (Windows networking), and email (SMTP, POP3, IMAP).

Special attention is paid to the concepts needed to implement these services securely and to trouble-shooting skills which will be necessary for real-world administration of network services. Students wishing to be successful in this rigorous course can expect to do a

substantial amount of studying outside of class. Prospective students must arrange to meet with the instructor before enrolling in the program. Students that are interested in Linux networking but have no previous experience with computers are encouraged to enter the Linux Support Specialist program.

COURSE			CLOCK HOURS
KLNA	0110	Linux Fundamentals	150
KLNA	0120	Linux System Administration	150
KLNA	0130	Linux Network Services	400
KLNA	0290	Employment Workshop	0-10
TOTAL			**700**

CERTIFICATIONS
Although many companies prefer and/or require that their employees be certified in the areas offered in this program, certification is not required for successful completion.

LPI Level 2 exam
CompTIA Linux+
Red hat Certified Technician (RHCT) exam *

*This exam must be arranged through Red Hat. It is a hands-on practical test requiring students to travel to a Red Hat testing site.

SPECIAL REQUIREMENTS/PREREQUISITES
Instructor approval; recommended touch-typing 20 wpm, strongly suggested.

LINUX SUPPORT SPECIALIST CERTIFICATE OF COMPLETION

South City Campus

Instructors: Steven Fogg, Edward Walsh

This intensive program prepares students to meet the challenges of today's diverse network environments. Through the use of hands-on labs and individualize instruction, students will learn to build and maintain computers running two of the most popular network operating systems used by companies today: Linux and Microsoft Windows. Students will gain a solid technical support foundation by installing, configuring, and then troubleshooting both operating systems on multiple computers. Special emphasis will be given to using Samba to integrate Linux and Windows in a network environment. Other topics include: Customer service, hardware configuration, troubleshooting methodology, TCP/IP administration, network printing, files sharing, and system security. This course also helps to prepare students for the A+, Linux+, and Microsoft Certified Professional (MCP) certification exams. Students wishing to be successful in this rigorous course should expect to do a substantial amount of studying outside of class. Prospective students are strongly encouraged to arrange a meeting with the instructor before enrolling in course.

COURSE				CLOCK HOURS
KLSS	0110	A+ Certification Module		250
KLSS	0120	Linux Fundamentals		150
KLSS	0130	Linux System Administration		150
KLSS	0290	Employment Workshop		0-10
ELECTIVES (CHOOSE ONE)				**150**
KLSS	0210	Network + Exam Preparation	(150)	
KLSS	0220	I-Net +	(150)	
KLSS	0230	Microsoft MCP 70-210	(150)	
TOTAL				**700**

CERTIFICATIONS
Although many companies prefer and/or require that their employees be certified in the areas offered in this program, certification is not required for successful completion.

CompTIA A+
CompTIA Linux+

ELECTIVES
Students may choose one of the following:
Microsoft Certified Professional 70-210
CompTIA I-Net+
CompTIA Network+

SPECIAL REQUIREMENTS/PREREQUISITES
Recommended touch-typing 20 wpm strongly suggested.

PROJECTS WITH INDUSTRY

TECHNICAL SUPPORT SKILLS CERTIFICATE

South City Campus

This program is a combined computer-based and hands-on training approach to developing the basic high tech skills required in today's business environment. The courses are designed to meet specific skill needs in terms of a student's future career. Students are evaluated on entry into PWI and enroll in the courses which best meet their career objectives, specifically in the area of Office Technician or Computer Technical Support. Each student is evaluated in terms of those business and interpersonal skills recommended by industry for successful employment. Students, with help and guidance from the PWI coaches, select specific learning tracks that support their career objectives. Industry and disability conferences, workshops, and guest speakers are included as supplemental classroom activities geared toward informing students of trends and changes within the industry and helping students deal with disability challenges. SLCC/Skills Center does not issue a certificate of completion for this program. This porgram is funded through a grant from the U.S. Department of Education, Rehabilitation Services Administration.

SPECIAL REQUIREMENTS/PREREQUISITES
To enroll in this program, an individual must have a referral from the Utah State Office of Rehabilitation (USOR), a verified severe disability, a high school diploma or GED, an aptitude for Computer work, and a high degree of motivation. Individuals are interviewed and selected for enrollment by the PWI Selection Team as directed by the PWI Business Advisory Council (BAC), which consists of instructors, USOR counselors, and members of the business community.

CERTIFICATIONS
Although many companies prefer and/or require that their employees be certified in the areas offered in this program, certification is not required for successful completion. Although the testing costs are not covered by the grant, students are strongly encouraged to take the appropriate certification tests for their area of specialization.

COURSE			CLOCK HOURS
KTSS	0110	Basic Office Technician Skills	50 - 295
KTSS	0120	Advanced Office Technician Skills	50 - 295
KTSS	0130	Technical Support	50 - 295
KTSS	0140	Network Plus	50- 295
KTSS	0150	I-Net Plus	50 - 295
KTSS	0160	Cooperative Internship	150 - 300

HEALTH CARE INDUSTRY

CERTIFIED NURSE ASSISTANT CERTIFICATE

Program Coordinator/Associate Professor: Marilyn Little
South City Campus

This program is designed to provide students with the skills necessary to meet the physical, physiological and psychological needs of the acute, chronic, or long-term 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.

COURSE		CLOCK HOURS
KNRS 0110	Patient Care, Theory and Labs	80
KNRS 0120	Patient Care, Clinical Assignments	26
KNRS 0290	Employment Workshop	0-10
TOTAL HOURS		**106**

CERTIFICATION TESTING
There are two state certification tests: a written test and a basic skills test. Both tests must be passed before a student can be certified. If a student does not pass one or both tests, he/she must pay for the retest. Upon application to take these tests, the applicant's name is entered into the DOPL Registry. The Registry reports any substantiated allegation of resident neglect, abuse or misappropriation of patient's property. For more information, ask an admissions advisor for a copy of the form.

CERTIFIED NURSE ASSISTANT, SPANISH TO ENGLISH CERTIFICATE

Site: South City Campus
Professor: Marilyn Little

PROGRAM DESCRIPTION
This Spanish to English program prepares native Spanish speaking people for the Certified Nursing Assistant and Health Care Assistant licenses for the state of Utah. Students will learn medical vocabulary and basic conversational language associated with the health care industry. This program is designed to provide students with the skills necessary to meet the physical, physiological, and psychological needs of the acute, chronic, or long-term patient within a hospital or long term care facility. The curriculum includes an overall introduction to human relations, anatomy, physiology, and bacteriology, as well as body mechanics, disease processes and the 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. Information regarding the enrollment schedule is available from the Skills Center Admissions office, 957-3354.

COURSE		CLOCK HOURS
KNAS 0110	Patient Care Theory/Labs, Spanish to English	160
KNAS 0120	Patient Care Clinical	26
KNAS 0130	Medical Vocabulary/Conversations	40
KNAS 0290	Employment Workshop	0-10
TOTAL		**226**

SPECIAL REQUIREMENTS/PREREQUISITES
CPR certified, Immunizations record, and minimum Celsa score of 30.

CERTIFICATION
There are two state certification tests: a written test and a basic skills test. Both tests must be passed before a student can be certified. Students may elect to take the written test in English or Spanish. The clinical basic skills test will be given in English. Upon application to take these tests, the applicant's name is entered into the DOPL Registry. The registry reports any substantiated allegation of resident neglect, abuse or misappropriation of patient's property. For more information, ask a Skills Center admissions advisor for a copy of the form.

HEALTH UNIT CLERK/COORDINATOR CERTIFICATE

Program Coordinator/Associate Professor: Marilyn Little

South City Campus

This program prepares students to work at nursing stations in a hospital or in office situations which deal with patient care records. Students learn to transcribe doctors' orders using basic knowledge of anatomy, physiology, medical terminology and abbreviations. 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 admission, 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). During the cooperative externship, students are given the opportunity to practice these skills at area hospitals. Upon completion of this program, students will be prepared to take and pass the National Association of Health Unit Clerk/Coordinators certification test.

COURSE		CLOCK HOURS
KHUC 0110	Communications	16
KHUC 0120	Medical Terminology	30
KHUC 0130	Organizing Patients' Charts	18
KHUC 0140	Transcribing Doctors' Orders	32
KHUC 0150	Lab Instruction	44
KHUC 0200	Cooperative Externship	66
KHUC 0290	Employment Workshop	0-10
TOTAL HOURS		**206**

BASIC HEALTH RECORDS CERTIFICATE OF COMPLETION

Professor: Jeanne Noble
Associate Professors: DeeAnn Jensen, CPC; Shirlene Luke; Sally Williams, CPC
Assistant Professor: Karl Jorgensen

South City Campus and other sites as needed

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/skill building, word processing (MS Word Core*), ten-key, medical terminology, medical accounting/patient scheduling software, and ICD-9 coding. Special emphasis is placed on customer service and life skills training. This curriculum includes a required 120-hour cooperative externship at a medical facility in the medical records department. [*MS Word Core covers concepts needed for Microsoft Office Specialist (MOS) Certification tests. This certification test is not required for successful completion of the program.]

To receive a Skills Center Certificate of Completion, the overall average score of all classes combined must be 80% or better.

COOPERATIVE EXTERNSHIP
During the last four weeks of training, students complete 120 hours of work experience in an unpaid cooperative externship in an area medical facility. Instructors work with appropriate facility representatives and supervisors to ensure that students are given opportunities to complete the specific tasks and assignments in the workplace that will enhance their competency and proficiency.

SPECIAL REQUIREMENTS
Student enrolling in the Basic Health Records Program must be able to stand for long periods of time and be able to move up to 50 pounds.

COURSE		CLOCK HOURS
KBHR 0110	Beginning Keyboarding	12
KBHR 0130	Ten-Key	20
KBHR 0140	Computer Concepts/Windows	30
KBHR 0150	Customer Service/Life Skills	60
KBHR 0160	Keyboard Skill Building	158
KBHR 0170	Word Processing (MS Word Core*)	35
KBHR 0190	Medical Terminology	30
KBHR 0200	Medical Filing	15
KBHR 0220	ICD-9 Coding	30
KBHR 0230	Medical Office Procedures	40
KBHR 0240	Medical Acctg/Patient Software	35
KBHR 0280	Cooperative Externship	120
KBHR 0290	Employment Workshop	15
TOTAL HOURS		**600**

MEDICAL CODING PROCEDURES CERTIFICATE OF COMPLETION

Professor: Jeanne Noble
Associate Professors: DeeAnn Jensen, CPC; Shirlene Luke; Sally Williams, CPC
Assistant Professor: Karl Jorgensen

South City Campus and other sites as needed

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, Windows, Internet, e-mail, keyboarding/skill building, word processing (MS Word Core*), ten-key, medical filing, medical terminology, and medical accounting/patient scheduling software. Special emphasis is placed on customer service and life skills. [*Word Core covers concepts needed for Microsoft MOS Certification tests. The Word MOS, CCS-P, or CPC national certification exams are not required for successful completion of the program.]

Students will complete an 80 contact-hour course which covers the concepts needed for the CPC (Certified Professional Coders) national certification exam offered by the AAPC (American Academy of Professional Coders) or the CCS-P (Certified Coding Specialist- Physician-Based) exam offered by AHIMA (American Health Information Management Association.) This curriculum includes a 110-hour cooperative externship at a medical facility.

Upon completion of this program, students can advance their education and training in medical coding in preparation for national certification examinations by taking the MA2310 course offered by the Medical Assistant Department (957-4090) at Salt Lake Community College.

To receive a Skills Center Certificate of Completion, the overall average score of all classes combined must be 80% or better. Students must meet the higher admission testing requirements before enrolling in the Medical Coding Procedures Program. (See an Admissions Advisor.)

COURSE		CLOCK HOURS
KMCP 0110	Beginning Keyboarding	12
KMCP 0130	Ten-Key	30
KMCP 0140	Computer Concepts/Windows	30
KMCP 0150	Customer Service/Life Skills	60
KMCP 0160	Keyboard Skill Building	78
KMCP 0170	Word Processing (MS Word Core*)	35
KMCP 0190	Medical Terminology**	30
KMCP 0200	Medical Filing	15
KMCP 0210	Anatomy/Medical Coding,Billing**	40
KMCP 0220	ICD-9 Coding**	30
KMCP 0230	Medical Coding (CPT/HCPCS)**	80
KMCP 0240	Medical Acctg/Patient Software	35
KMCP 0280	Cooperative Externship	110
KMCP 0290	Employment Workshop	15
TOTAL HOURS		**600**

** Covers concepts needed for the CPC (Certified Professional Coders) or CCS-P (Certified Coding Specialist – Physician-Based) medical coding national certification exams.

DATA ENTRY FOR MEDICAL BILLING CERTIFICATE OF COMPLETION

Professor: Jeanne Noble
Associate Professors: DeeAnn Jensen, CPC; Shirlene Luke; Sally Williams, CPC
Assistant Professor: Karl Jorgensen

South City Campus and other sites as needed

This program prepares students to work in an entry-level position in the medical billing occupations area of hospitals, larger clinics, and insurance companies. It provides basic clerical training in computer concepts, Windows, Internet, e-mail, keyboarding/skill building, word processing (MS Word Core*), ten-key calculator, QuickBooks, medical filing, medical terminology, medical accounting/patient scheduling software, ICD-9 coding, and introduction to HCPCS/CPT coding. Special emphasis is placed on customer service and life skills. This curriculum includes a required 100-hour cooperative externship at a medical facility. [*MS Word Core covers concepts needed for Microsoft MOS Certification tests. This certification test is not required for successful completion of the program.]

To receive a Skills Center Certificate of Completion, the overall average score of all classes combined must be 80% or better.

During the last four weeks of training, students complete 120 hours of work experience in an unpaid cooperative externship in an area medical facility. Instructors work with appropriate facility representatives and supervisors to ensure that students are given opportunities to complete the specific tasks and assignments in the workplace that will enhance their competency and proficiency.

Students must meet the higher admission testing requirements before enrolling in the Medical Billing Program. (See admissions advisor.)

COURSE		CLOCK HOURS
KDEM 0110	Beginning Keyboarding	12
KDEM 0130	Ten-Key	30
KDEM 0140	Computer Concepts/Windows	30
KDEM 0150	Customer Service/Life Skills	60
KDEM 0160	Keyboard Skill Building	98
KDEM 0170	Word Processing (MS Word Core*)	35
KDEM 0190	Medical Terminology	30
KDEM 0200	Medical Filing	15
KDEM 0210	Anatomy/Medical Coding,Billing	40
KDEM 0220	ICD-9 Coding	30
KDEM 0230	Intro to HCPCS/CPT Coding	50
KDEM 0240	Medical Acctg/Patient Software	35
KDEM 0250	QuickBooks	60
KDEM 0280	Cooperative Externship	100
KDEM 0290	Employment Workshop	15
TOTAL HOURS		**640**

** Covers concepts needed for the CPC (Certified Professional Coders) or CCS-P (Certified Coding Specialist – Physician-Based) medical coding national certification exams.

OFFICE INFORMATION SYSTEMS

ACCOUNTING CLERK CERTIFICATE OF COMPLETION

Professors: Jeanne Noble
Associate Professors: DeeAnn Jensen, CPC, Shirlene Luke, Sally Williams, CPC.
Assistant Professors: Karl Jorgensen, Vonadean McFarland.

South City Campus and Tooele Education Center

The Accounting Cleark 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.

COURSE		CLOCK HOURS
KACK 0110	Beginning Keyboarding	12
KACK 0130	Ten-Key	40
KACK 0140	Computer Concepts/Windows	45
KACK 0150	Customer Service/Life Skills	60
KACK 0160	Keyboard Skill Building	113
KACK 0170	Word Processing (MS Core)	35
KACK 0180	Business Communications	60
KACK 0190	Presentations (Power Point Core)	30
KACK 0200	Spreadsheets (MS Excel Core)	35
KACK 0210	Spreadsheets (MS Excel Expert)	35
KACK 0220	Accounting (Modules 1 and 2)	120
KACK 0230	Accounting Office Procedures	15
KACK 0240	Computer-Assisted Accounting	35
KACK 0250	Quick Books	65
KACK 0290	Employment Workshop	15
TOTAL HOURS		**715**

CUSTOMER SERVICE/RECEPTIONIST CERTIFICATE

Professor: Jeanne Noble
Associate Professors: DeeAnn Jensen, CPC; Shirlene Luke; Sally Williams, CPC
Assistant Professor: Karl Jorgensen

South City Campus and other sites as needed

This program provides basic training in keyboarding skill building, data entry, ten-key calculator, computer concepts, Windows, 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.

To receive a Skills Center Certificate of Completion, the overall average score of all classes combined must be 80% or better.

COURSE		CLOCK HOURS
KCSR 0110	Beginning Keyboarding	12
KCSR 0120	Data Entry	15
KCSR 0130	Ten-Key	30
KCSR 0140	Computer Concepts/Windows	35
KCSR 0150	Customer Service/Life Skills	60
KCSR 0160	Keyboard Skill Building	68
KCSR 0170	Intro to Word Processing (MS Word*)	30
KCSR 0180	Business Communications	35
KCSR 0290	Employment Workshop	15
TOTAL HOURS		**300**

OFFICE CLERK CERTIFICATE OF COMPLETION

Professor: Jeanne Noble
Associate Professors: DeeAnn Jensen, CPC; Shirlene Luke; Sally Williams, CPC
Assistant Professor: Karl Jorgensen

South City Campus and other sites as needed

The Office Clerk 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 Microsoft Office subjects including spreadsheets (MS Excel*), word processing (MS Word*), and presentations (PowerPoint*). Students learn business communications skills, QuickBooks, and business office procedures. A special emphasis is given to customer service and life skills training.

To receive a Skills Center Certificate of Completion, the overall average score of all classes combined must be 80% or better.

Students who wish to transfer from other OIS programs to Office Clerk, must meet the higher admission testing requirements before enrolling.

Prior hours from the other OIS programs will not be applied to the Office Clerk program.

Students transferring from the General Clerk program will be required to retake competency tests if more than three months have lapsed since the student left the General Clerk program.

Students who have completed 150 hours or more of the Office Clerk program cannot transfer to smaller programs that are not Pell eligible such as the Customer Service/Receptionist program.

COURSE		CLOCK HOURS
KOFC 0110	Beginning Keyboarding	12
KOFC 0130	Ten-Key	40
KOFC 0140	Computer Concepts/Windows	45
KOFC 0150	Customer Service/Life Skills	60
KOFC 0160	Keyboard Skill Building	108
KOFC 0170	Word Processing (MS Word Core*)	35
KOFC 0175	Word Processing (Word Expert*)	35
KOFC 0180	Business Communications	80
KOFC 0190	Presentations (PowerPoint Core*)	35
KOFC 0200	Spreadsheets (MS Excel Core*)	35
KOFC 0220	QuickBooks	65
KOFC 0230	Office Procedures	15
KOFC 0290	Employment Workshop	15
TOTAL HOURS		**610**

*Microsoft Word Core and Expert, Excel Core and Expert and PowerPoint Core cover concepts needed for the Microsoft MOS certification tests.

GENERAL CLERK CERTIFICATE OF COMPLETION

Professor: Jeanne Noble
Associate Professors: DeeAnn Jensen, CPC; Shirlene Luke; Sally Williams, CPC
Assistant Professor: Karl Jorgensen

South City Campus and other sites as needed

This program focuses on basic clerk skills. Students begin by learning to use the computer, navigate through Windows, the Internet, and e-mail. Students also learn keyboarding skills, ten-key, Microsoft Word, and business communication skills. A special emphasis is given to customer service and life skills training. Students will also be given basic business skills that will include business terminology, business language comprehension skills, basic elements of business writing, and basic business math.

To receive a Skills Center Certificate of Completion, the overall average score of all classes combined must be 80% or better.

COURSES		CLOCK HOURS
KGNC 0100	Basic Business Math	40
KGNC 0110	Beginning Keyboarding	12
KGNC 0120	Data Entry	15
KGNC 0130	Ten-Key	30
KGNC 0140	Computer Concepts/Windows	45
KGNC 0150	Customer Service/Life Skills	60
KGNC 0160	Keyboard Skill Building	103
KGNC 0170	Word Processing (MS Word Core*)	35
KGNC 0200	Business Terminology	40
KGNC 0210	Business Language Comprehension Skills	65
KGNC 0220	Basic Elements of Business Writing	60
KGNC 0230	Business Communications	80
KGNC 0290	Employment Workshop	15
TOTAL		**600**

*Word Core covers the concepts needed to pass the Microsoft Office Specialist (MOS) Word Core certification test. This certification test is not required for successful completion of the program.

OFFICE SPECIALIST CERTIFICATE OF COMPLETION

Tooele Education Center

Associate Professor: Vonnadean McFarland

The 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 keyboard/skill building, ten-key calculator, customer service professionalism, work processing, computer concepts, Windows, spreadsheets, and business English. Students may also choose from electives in MS Access, MS PowerPoint, accounting, computer-assisted accounting, and medical terminology. Several courses offered in this program will help students prepare for tests leading to Microsoft Office User Specialist (MOUS) certification.

COURSE		HOURS
KOIS 0130	Ten-Key Calculator	40
KOIS 0140	Computer Concepts/Windows	60
KOIS 0155	Customer Service	20
KOIS 0160	Keyboard Skill Building	160
KOIS 0170	Word Processing (MS Word)	125
KOIS 0185	Business English	85
KOIS 0210	Spreadsheets (MS Excel)	125
KOIS 0290	Employment Workshop	15
ELECTIVES TO TOTAL		**160**
KOIS 0225	Accounting (50-160)	
KOIS 0240	Presentations (MS PowerPoint) (35)	
KOIS 0255	Database (MS Access) (50-100)	
KOIS 0270	Medical Terminology (30)	
KOIS 0280	Computer-Assisted Accounting (70)	
TOTAL HOURS		**790**

**For a Certificate of Completion, students must complete at least one elective and may take as many electives as they like as long as the combined total hours do not exceed 160.

SKILLED TRADES

AIR-CONDITIONING/HEATING/ REFRIGERATION CERTIFICATE OF COMPLETION

Instructor: George Lange

Meadowbrook Campus

This is an entry-level program for prospective technicians. The program consists of four phases:

1. Electrical theory and hands-on using trainers and practical applications,
2. Gas-fired appliances such as furnaces and heaters, theory and hands-on experience,
3. Refrigeration theory and hands-on experience with domestic refrigeration. During the third phase, students learn how to braze using different types of low and medium heat solder and brazing rods,
4. Light commercial theory and hands-on experience working on walk-in boxes, reach-in boxes, low and medium temperature, central air conditioning systems--both domestic and light commercial (roof top) and heat load calculations for domestic and light commercial applications.

CERTIFICATION

Students will be required to take the EPA Certification test as a component of the program. Cost for the study booklet and test is payable to ESCO Institute ($77.95, subject to change). Although not required for successful completion, students are given the basic information needed to take the Rocky Mountain Gas Association Certification test. Students must devote additional outside study in order to pass this rigorous certification test.

COURSE		CLOCK HOURS
KACC 0115	Fundamentals of Electricity	220
KACC 0140	Gas Fired Appliances Theory	100
KACC 0125	Fundamentals of Refrigeration	220
KACC 0150	Domestic Refrigeration	100
KACC 0135	Commercial Refrigeration	170
KACC 0160	Air Conditioning Systems	50
KACC 0170	Heat Load Calc. and EPA Test	100
KACC 0290	Employment Workshop	0-10
TOTAL HOURS		**960**

CARPENTRY AND HAZMAT REMOVAL- ESL CERTIFICATE

Site: Redwood Campus

This program is designed to help students with limited English develop a variety of entry-level skills they can apply in the construction trades industry. The focus is on providing students with English vocabulary and conversation skills needed for careers in the construction and/or hazardous waste removal industry while developing skills in the following areas: carpentry and construction mathematics; job safety, hazardous waste removal and environmental skills, job readiness and life skills.

The program consists of three courses; ESL Carpentry/Life Skills, HazMat Removal and Safety, and an Employment Workshop. In the ESL Carpenty/Life Skill course students will learn to interpret blue prints and apply plans for rough framing of a structure from the foundation to the roof, all the while applying their math skills. Students will receive job safety training including OSHA regulations, First Aid, CPR, fall arrest techniques and equipment. The life skills and job readiness component includes information on the habits and responsibilities of good employees; types of benefits that may be available and the application process; filling out federal FICA withholding forms; types of employment opportunities; employer responsibilities; and other issues surrounding employment. The HazMat Removal and Safety course covers hazardous waste handling, lead removal, asbestos removal, confined spaces work and MSDS (Material Safety Data Sheets).The Employment Workshop teaches students how to search for employment, fill out applications, create resumes, and interview.

COURSE			CLOCK HOURS
KCHR	0110	ESL Carpentry/Life Skills	256
KCHR	0120	HazMat Removal and Safety	128
KCHR	0290	Employment Workshop	0-10
TOTAL			**384**

SPECIAL REQUIREMENT/PREREQUISITES:
Minimum Celsa score: 25-30

CERTIFICATIONS
Although many companies prefer and/or require that their employees be certified in the areas offered in this program, certification is not required for successful completion. Successful students could earn Certificates for each of the following: Hazardous Waste Worker, Lead Worker, Asbestos Worker, Confined Spaces, MSDS provided by the CPWR (Center to Protect Worker's Rights) and Certification in OSHA-10, CPR, First Aid and Fall Arrest.

DIESEL SYSTEMS TECHNOLOGY (FORMERLY HEAVY DUTY MECHANICS) CERTIFICATE OF COMPLETION

Instructors: Keith Knavel, Mark Kranendonk

Meadowbrook Campus

Students learn the entry-level skills needed to maintain and repair equipment such as diesel trucks, buses, and construction equipment, including bulldozers, earth movers, and cranes. Students learn through hands-on training using the most current and up-to-date engines and chassis possible. Students also learn how to use diagnostic equipment such as the dynamometer, which measures engine power, and special fuel injection equipment. During summer term, students take Welding and prepare for the Class A Commercial Driver's License.

NOTE: Students who successfully complete this program may wish to continue their career opportunities by completing the AAS degree in Diesel Systems Technology with SLCC. See the program's Academic Advisor for details on how this training can be applied toward completion of the AAS degree.

COURSE			CLOCK HOURS
KDST	0340	Safety/Basic Diesel Theory	25
KDST	0350	Safety/Basic Diesel Lab	100
KDST	0360	Safety/Basic Eng Perform Th	25
KDST	0370	Safety/Basic Eng Perform Lab	100
KDST	0440	Preventive Maint. Brake Th	25
KDST	0450	Preventive Maint Brake Lab	100
KDST	0460	Prevent. Maint. Elect. Theory	25
KDST	0470	Prevent. Maint. Elect. Lab	100
KDST	0540	Drivetrains/Gear Drives Theory	25
KDST	0550	Drivetrains/Gear Drives Lab	100
KDST	0560	Drivetrains/Fluid Drives Theory	25
KDST	0570	Drivetrains/Fluid Drives Lab	100
KDST	0245	Welding	100
KPDR	0240	Vehicle Inspection	8
KPDR	0430	Backing Skills	20
KPDR	0440	Shifting Skills	12
KPDR	0450	Driving Experience	24
KPDR	0460	Safe Driving Observation	64
KDST	0290	Employment Workshop	0-10
PROGRAM TOTAL			**978**

PROFESSIONAL TRUCK DRIVING CERTIFICATES

Instructors: Rick Dalton, Al Drechsel

The Professional Truck Driving Department offers a variety of training options for students wishing to work in the transportation industry. All students must participate in a random drug-testing program either through SLCC or, if company sponsored, through the company's drug-testing program. People between the ages 18-21 may obtain a CDL for driving within the state of Utah (intra-state). People over 21 years of age may obtain a CDL for driving between the 50 states (interstate). When hiring, most companies, for insurance reasons, require applicants to be 23 years of age. Most Diesel Systems Technology Technicians working in the field are required to have a CDL driver's license.

Depending on their needs and experiences, students are given the following training choices:
280- HOUR PROGRAM - CERTIFICATE
Cost: $1950, plus lab and drug testing fees (does not include costs for books and learner's permit.)

With this option students begin by studying for the CDL written test needed to obtain a CDL Learner's Permit. Once the Learner's Permit is obtained, the student receives further classroom, shop and lab instruction, which introduces them to the vehicles and trailer inspections and minor repairs. Students receive intensive behind the wheel instruction including backing skills safety and extreme driving conditions. An integral part of this instruction is the Life Skills component, which introduces students to life on the road and map reading. Students will also receive instruction in safely loading and unloading cargo, including an introduction to fork-lift and pallet jack operation. Students are also given the choice of completing a Cooperative Externship/Internship with a local driving company or honing their driving experience with the department instructor. Students will also participate in an employment workshop.

PREREQUISITES
Motor Vehicle Report (MVR) for current driving record, available from Driver's License Division, with no DUIs within the past two years; current Department of Transportation (DOT) medical card available from personal physician or health clinic.

SPECIAL REQUIREMENTS
Most drivers applying to local companies must show the ability to lift at least 75 pounds and be able to pass a background check.

COURSES			CLOCK HOURS
KPDR	0210	CDL Written Test Preparation	16
KPDR	0220	Log Books/ Map Reading	10
KPDR	0230	Life Skills for Drivers	8
KPDR	0240	Vehicle Inspections	8
KPDR	0250	Loading/Off-loading Safety	8
KPDR	0260	Vehicle Maintenance	32
KPDR	0270	Backing Skills	32
KPDR	0280	Shifting Skills	14
KPDR	0300	Introductory Driving Experience	14
KPDR	0310	Safe Driving Observations	98
KPDR	0290	Employment Workshop	0-10
ELECTIVES (CHOOSE ONE):			**40**
KPDR	0320	Local Driving Externship (40)	
KPDR	0330	Extended Driving Experience (40)	
TOTAL			**280**

160-HOUR PROGRAM - CERTIFICATE
Cost: $1160, plus lab and drug testing fees (does not include costs for books and learner's permit.)

This shorter program is designed for people who have had experience driving professionally in the past (class A or B license) and/or who have obtained their CDL Learner's Permit. Instruction includes introduction to professional driving, vehicle inspection on tractor and trailers, over the road instruction, control systems and maneuvering skills, and safety.

PREREQUISITES
Motor Vehicle Report (MVR) for current driving record, available from Driver's License Division, with no DUIs within the past two years; current Department of Transportation (DOT) medical card available from personal physician or health clinic; Class A CDL Learner's permit.

COURSES			CLOCK HOURS
KPDR	0400	Log Books/ Map Reading	8
KPDR	0410	Life Skills for Drivers	8
KPDR	0240	Vehicle Inspections	8
KPDR	0420	Vehicle Maintenance	16
KPDR	0430	Backing Skills	20
KPDR	0440	Shifting Skills	12
KPDR	0450	Driving Experience	24
KPDR	0460	Safe Driving Observation	64
KPDR	0290	Employment Workshop	0-10
TOTAL			**160**

WELDING
CERTIFICATE OF COMPLETION

Redwood Road Campus

This program provides students with entry-level skills in the areas of welding and steel fabrication. The curriculum provides theory and skills practice in oxy-acetylene, arc, stick electrode, wire feed and pipe welding techniques on a variety of materials such as aluminum, stainless steel, pipe and other metals. In addition, the program emphasizes welding math and terminology, blueprint reading, and safety. Students have the opportunity to practice for and pass the AASME (American Society of Mechanical Engineering) Section IX X-Ray Certification test.

CERTIFICATION
Although not required for successful completion, included in the cost of this program is one test for completing the AASME Section IX X-Ray Certification Test.

COURSE			CLOCK HOURS
KWLD	0115	Intro to Welding and Lab Safety	10
KWLD	0125	Oxy-acetylene (OAW)	100
KWLD	0135	Shielded Metal Arc (SMAW)	360
KWLD	0145	Gas Metal Arc (GMAW)	160
KWLD	0165	Blueprint Reading for Welders	100
KWLD	0170	Flux Cored Arc (FCAW)	170
KWLD	0180	Gas Tunsten Arc (GTAW)	140
KWLD	0190	Math for Welders	100
KWLD	0290	Employment Workshop	0-10
TOTAL HOURS			**1140**

COURSE ABBREVIATIONS

COURSE DESCRIPTIONS

COURSE ABBREVIATIONS

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ACCT ACCOUNTING
ACR AUTO COLLISION REPAIR
ACRA AUTO COLLISION REPAIR APPRENTICESHIP
AERO AEROSPACE (AIR FORCE ROTC)
AMTT AVIATION MAINTENANCE TECHNICIAN
ANTH ANTHROPOLOGY
APPR APPRENTICESHIP
AR AUTO REPAIR
ARB ARABIC
ARCH ARCHITECTURE TECHNOLOGY
ART VISUAL ART AND DESIGN
ARTH ART HISTORY
ASLI AMERICAN SIGN LANGUAGE/INTERPRETATION
AUTO AUTOMOTIVE TECHNICIAN

BCCM BUILDING CONSTRUCTION/ CONSTRUCTION MANAGEMENT
BIOL BIOLOGY
BLA BRICK MASON/APPRENTICESHIP
BMA BOILERMAKER JATC APPRENTICESHIP
BRC BARBERING/COSMETOLOGY
BTEC BIOTECHNOLOGY
BUS BUSINESS
BWL BOILERMAKER/WELDER/LAYOUT/APPRENTICESHIP

CAPS CARPENTRY APPRETICESHIP (PRISON)
CEEN CIVIL/ENVIRONMENTAL ENGINEERING
CEHT HORTICULTURE TRAINING
CERE REAL ESTATE APPRAISAL
CHE CHEMICAL ENGINEERING
CHEF CULINARY ARTS APPRENTICESHIP (FULL TIME)
CHFA CULINARY ARTS APPRENTICESHIP (PART TIME)
CHEM CHEMISTRY
CHI CHINESE
CIS COMPUTER INFORMATION SYSTEMS
CJ CRIMINAL JUSTICE
CMA CEMENT MASONS JATC/APPRENTICESHIP
COM COMMUNICATION
CPA CARPENTRY JATC/APPRENTICESHIP
CPI CARPENTRY INDEPENDENT TECHNOLOGY/ APPRENTICESHIP
CS COMPUTER SCIENCE
CST CUSTOMER SERVICE TECHNOLOGY

DE DEVELOPMENTAL EDUCATION
DH DENTAL HYGIENE
DIAL DIALYSIS TECHNICIAN
DNC DANCE
DST DIESEL SYSTEMS TECHNOLOGY
DSTA DIESEL SYSTEMS TECHNOLOGY APPRENTICESHIP

EBT e-BUSINESS TECHNOLOGY, SEE DIGITAL MEDIA TECHNOLOGY
ECON ECONOMICS
EDDT ENGINEERING DESIGN/DRAFTING TECHNOLOGY
EDU EDUCATION
EE ELECTRICAL ENGINEERING
ELA ELECTRICAL JATC/APPRENTICESHIP
ELEC ELECTRICITY
ELET ELECTRONIC TECHNOLOGY
ELI ELECTRICAL INDEPENDENT/APPRENTICESHIP
ELTA ELECTRONICS/APPRENTICESHIP
ENGL ENGLISH
ENGR ENGINEERING
ENVT ENVIRONMENTAL TECHNOLOGY
ESL ENGLISH-AS-A-SECOND LANGUAGE (LEVEL 4)
ETHS ETHNIC STUDIES, SEE ALSO SWK, SOCIAL WORK

FA FINE ARTS
FASH FASHION INSTITUTE
FHS FAMILY AND HUMAN STUDIES
FIN FINANCE AND CREDIT
FLM FILM
FLYT FLIGHT TECHNOLOGY SEE AVIATION TECHNOLOGY/ PROFESSSIONAL PILOT
FRN FRENCH

GEOG GEOGRAPHY
GEOL GEOLOGY
GER GERMAN
GIS GEOLOGIC INFORMATION SCIENCE

HDEO OPERATING ENGINEERS/APPRENTICESHIP
HDM SEE DIESEL SYSTEMS TECHNOLOGY
HDMA SEE DSTA
HIS HISTORY
HLA HEALTH AND LIFETIME ACTIVITIES
HLTH HEALTH SCIENCE
HSS HUMAN SERVICES SPECIALIST
HUMA HUMANITIES
HVAC HEATING, VENTILATION, AND AIR-CONTIDITIONING; SEE ALSO HEATING, COOLING, AND REFRIGERATION/APPRENTICESHIP AND KACC

IEC INDEPENDENT ELECTRICAL CONTRACTORS/ APPRENTICESHIP
INID INDUSTRY
IND INTERIOR DESIGN
INST INSTRUMENTATION
INTA INSTRUMENTATION APPRENTICESHIP
ISA IRONWORKERS JATC/APPRENTICESHIP
ITL ITALIAN

JEWL JEWELRY
JPN JAPANESE
JRN JOURNALISM

KABE ADULT BASIC EDUCATION
KABM ABE - MATH
KABR ABE - READING
KACC AIR CONDITIONING/HEATING/REFRIGERATION

KACK ACCOUNTING CLERK
KALL INTEGRATED LEARNING LAB
KBHR BASIC HEALTH RECORDS
KCBS COMPUTER TECHNOLOGY BASICS
KCDL CDL LEARNER'S PERMIT TEST PREPARATION
KCMS COMPUTER SUPPORT SPECIALIST (A+ CERTIFICATION)
KCSR CUSTOMER SERVICE/RECEPTIONIST
KDEM DATA ENTRY FOR MEDICAL BILLING
KDMM SEE KDST
KDST DIESEL SYSTEMS TECHNOLOGY
KELA ELECTRONICS ASSEMBLY TECHNICIAN
KESL ENGLISH AS A SECOND LANGUAGE (LEVELS 1-3)
KET2 ELECTRONICS TECHNICIAN
KGED GED TEST PREPARATION
KGNC GENERAL CLERK
KHUC HEALTH UNIT CLERK/COORDINATOR
KLNA LINUX NETWORK ADMINISTRATOR
KLSS LINUX SUPPORT SPECIALIST
KMCP MEDICAL CODING PROCEDURES
KMNA NETWORK ADMINISTRATOR (MCSA)
KNAS CERTIFIED NURSE ASSISTANT, SPANISH TO ENGLISH
KNEG NETWORK ENGINEER (MCSE)
KNRS CERTIFIED NURSE ASSISTANT
KOFC OFFICE CLERK
KOIS OFFICE SPECIALIST (TOOELE)
KPDR PROFESSIONAL TRUCK DRIVING
KTSS TECHNICAL SUPPORT SKILLS
KWLD WELDING

LAND LANDSCAPE/APPRENTICESHIP
LAW LAW ENFORCEMENT
LE LEARNING ENHANCEMENT
LOG LOGISTICS MANAGEMENT
LST LEGAL SECRETARY
LT LIBRARY TRAINING

MA MEDICAL ASSISTANT
MAA MEDICAL ADMINISTRATIVE ASSISTANT
MAT MANUFACTURING AND AUTOMATED TECHNOLOGIES
MATH MATHEMATICS
MEEN MECHANICAL ENGINEERING
MET METEOROLOGY
MFEN MANUFACTURING ENGINEERING
MGT MANAGEMENT
MIL MILLWRIGHTS JATC/APPRENTICESHIP
MKTG MARKETING
MLS MILITARY SCIENCE (ROTC)
MLT MEDICAL LAB TECHNICIAN
MSE MATERIALS SCIENCE ENGINEERING
MSI MACHINIST/APPRENTICESHIP
MUS MUSIC

NAV NAVAJO
NDT NON-DESTRUCTIVE TESTING TECHNOLOGY
NSG NURSING

OTA OCCUPATIONAL THERAPY ASSISTANT

PE SEE HLA, HEALTH AND LIFETIME ACTIVITIES
PED PARAEDUCATION
PFA PLUMBER/PIPEFITTER JATC/APPRENTICESHIP
PFI PLUMBER/PIPEFITTER INDEPENDENT/ APPRENTICESHIP
PHAR PHARMACY TECHNICIAN
PHIL PHILOSOPHY
PHY PHYSICS
PLI PLUMBING INDEPENDENT/APPRENTICESHIP
PLS PARALEGAL STUDIES
PMGT PRODUCTION MANAGEMENT
POLI POLITICAL SCIENCE
POR PORTUGUESE
PSY PSYCHOLOGY
PTA PHYSICAL THERAPIST ASSISTANT

RADS RADIOLOGIC TECHNOLOGY
RDG READING
RFA REFRIGERATION/APPRENTICESHIP
ROTC (SEE MLS)
RUS RUSSIAN
RWLD RAILROAD WELDING

SAM SAMOAN
SCI SCIENCE
SEVT SMALL EQUIPMENT/VEHICLE TECHNOLOGY
SHA STAGEHANDS JATC/APPRENTICESHIP
SLI HEALTH INTERPRETING
SMA SHEET METAL JATC/ APPRENTICESHIP
SOC SOCIOLOGY
SPN SPANISH
SURG SURGICAL TECHNOLOGY
SVT SURVEYING TECHNOLOGY
SWK SOCIAL WORK

TECH TECHNOLOGY
TED TEACHER EDUCATION
TELA TELECOMMUNICATIONS/APPRENTICESHIP
TELE TELECOMMUNICATIONS
THE THEATER
TNG TONGAN

VOC VOCATIONAL

WLD WELDING
WLDA WELDING/APPRENTICESHIP
WRTG WRITING

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ACCT 1110 Financial Accounting I 3
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 1120 Financial Accounting II 3
Prerequisite: ACCT 1110. A continuation of concepts and methods used in the preparation of financial statements using generally accepted accounting principles. Topics covered include receivables, plant and equipment, liabilities, and business entities.

ACCT 1220 Survey of Financial Accounting 3
A broad view of accounting's role in providing information to external users of financial information. The primary focus is the use of financial statements by investors, creditors and other entities outside of the organization.

ACCT 1230 Managerial Accounting 3
Prerequisite: ACCT1110 or ACCT1220 & CIS1020 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 1280 Accounting Information Systems I 3
Prerequisite: ACCT 1110, CIS 2410 or concurrent. 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 1900 Institute of Management Accounts 1-2
An exploration of topics in the accounting industry not covered by other accounting courses. Provides support to the College's Chapter of the Institute of Management Accounts. May be taken twice for a total of 2 credit hours.

ACCT 2000 Accounting CO-OP Education 1-4
Prerequisite: Complete 2 semesters 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 2050 Governmental Accounting 3
Prerequisite: ACCT 1110. Covers essentials of fund accounting, the structure used by governments. Government-fund types, proprietary funds, fiduciary funds, fixed asset and long-term debt account groups, and budgeting for revenue funds are covered.

ACCT 2310 Intermediate Accounting I 4
Prerequisite: ACCT 1280. 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
Prerequisite: ACCT 2310. A continuation of ACCT 2310. Topics include property, plant & equipment, investments, debt securities, leases, deferred taxes, stockholder's equity, accounting changes and error corrections, and financial statement analysis.

ACCT 2510 Accounting Information Systems II 3
Prerequisite: ACCT 1120 (or concurrent), 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
Prerequisite: ACCT 1120 or ACCT 1220. An 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
Prerequisite: ACCT 1230. Covers the basic principles of cost accounting systems used in the 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
Prerequisite: ACCT 2410 or concurrent w/ACCT 2410. 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 2590 VITA 2
Prerequisite: ACCT 2520 with 'B' or better. Administered by the Internal Revenue Service (IRS), course offers actual experience assisting the public with income tax return preparation. Students will improve skills in income tax preparation as well as interpersonal communication.

ACCT 2990 Current Topics in Accounting 1-3
Prerequisite: Variable to topic or project. 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/Non-structural Rep 5
Prerequisite: Concurrent with ACR 1111. This is a lecture course covering ASE required tasks for non-structural parts collision repair. See ASE task list for more information.

ACR 1111 Non-structural Skill/Appl Dev 7
Prerequisite: Concurrent with 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 Special Training 1-7

ACR 1200 Structural Parts Repair Lecture 5
Prerequisite: ACR1100, ACR1111, concurrent w/ACR1200. This is a lecture course covering repairs of structural collision damaged parts. See ASE task list for more information.

ACR 1211 Structural Damage Repair 7
Structural skill and application development lab covering ASE task list requirements. See ASE task list for more information.

ACR 1299 Specialty Training 1-7
Industry specific specialized training. This course is taught as requested by industry.

ACRA 1110 Auto Collision Repair IA 5
This course includes estimate interpretation and beginning repair methods. Course uses ASE task list and I-CAR Advanced Technician curriculum.

ACRA 1120 Auto Collision Repair IB 5
Prerequisite: ACRA 1110. Basic outer body panel repairs and replacement. Frame repair and replacement, measuring devices. MIG welding qualification test, steering, and suspension. Course follows ASE Task List and I-CAR Advanced Technician curriculum.

ACRA 1210 Auto Collision Repair IIA 5
Includes the use of technical manuals, specification manuals, and various types of measuring equipment used to align or replace structural parts. Basic refinish skills will also be taught.

AERO 1010 Foundations of USAF I 1
Prerequisite: Concurrent with 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
Prerequisite: Concurrent with 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 Ldrshp Lab I 0
Prerequisite: Concurrent with 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 Gen. Military Ldrshp Lab II 0
Prerequisite: Concurrent with 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
Prerequisite: Concurrent with 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
Prerequisite: Concurrent with 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 Mil. Ldrshp Lab III 0
Prerequisite: Concurrent with 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 Mil. Ldrshp Lab IV 0
Prerequisite: Concurrent with 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 Regulation 8
Prerequisite: Must be taken with 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
Theory and practical application of basic physics, materials and processes, ground operation and servicing, and basic electricity.

AMTT 1160 Aviation Technician Math 3
This course teaches the mathematical computations and concepts applicable to the aviation industry and based on FAA regulations.

AMTT 1220 Airframe Systems I 8
Prerequisite: AMTT 1120, AMTT 1140. Theory and practical application of sheetmetal, aircraft finishes, wood structures, aircraft covering, and welding.

AMTT 1240 Airframe Systems II 8
Prerequisite: AMTT 1120, 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
Prerequisite: AMTT 1120, AMTT 1140. Theory and practical application of hydraulic and pneumatic systems, cabin atmosphere control systems, ice and rain control systems, aircraft landing gear, position & warning systems, and aircraft instrument systems.

AMTT 2320 Airframe Inspection 8
Prerequisite: AMTT1120, AMTT1140, AMTT1220, AMTT1240, AMTT1260. Theory and practical application of reciprocating engine principles, engine exhaust and reverser systems, induction and engine airflow, engine fire protection systems, engine instruments, engine cooling, and airframe inspection.

AMTT 2340 Powerplant Systems 8
Prerequisite: AMTT 1120, AMTT 1140. Theory and practical application of fuel metering, engine electrical systems, ignition and starting systems, engine fuel systems, and lubrication systems.

AMTT 2420 Reciprocating Engines 8
Prerequisite: AMTT 1120, AMTT 1140. Theory and practical application of reciprocating engines, and propellers.

AMTT 2440 Powerplant Inspection 8
Prerequisite: AMTT1120, AMTT1140, AMTT2320, AMTT2340, AMTT2420. Theory and practical application of turbine engines, unducted fans, auxiliary powerplants, and engine inspection.

AMTT 2990 Special Studies 1-5
Prerequisite: 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
This course offers an introduction to the field of anthropology, a study of diverse living peoples throughout the world. Emphasis is on understanding the similarities and differences of diverse cultures.

ANTH 1030 Introduction to Archaeology (ID) 3
This course offers an introduction to modern archaeological techniques, methods and theories.

ANTH 1500 Field Experience 1-2
An informal 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 & illustrated.

ANTH 1900 Special Studies-Anthropology 1-3
Prerequisite: Instructor approval.

ANTH 2010 Peoples & Cultures of SW (HU) 3
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 2500 Field School 1-4
A formal field-based intro to the historic and prehistoric cultures and the techniques of field work anthropologists & 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
Prerequisite: Instructor approval.

APPR 1470 Math for the Trades 5
This is a customized course in applied mathematics for the trades including algebraic and trigonometric functions.

AR 1100 Automotive Refinishing 5
Prerequisite: Concurrent with AR 1111. Lecture class covering surface preparation and application of undercoats and top coats including single and two paint systems. See ASE task list for further information.

AR 1111 Refinishing Skill Development 7
Prerequisite: Concurrent with AR 1100. Skill development of surface prep and painting competencies. Lab class covers ASE task requirements.

AR 1199 Specialty Training 1-7
Industry specific training for refinishers. Taught at request of industry.

AR 1200 Advanced Auto Refinishing 5
Prerequisite: AR 1100, AR 1111 w/AR1211. 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
Prerequisite: AR 1111, AR 1100 with 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 Auto Color and Design Theory 2
Airbrush theory and Lab covering image of color in design and lettering techniques.

AR 1299 SpecialtyTraining./Auto Refinishing 1-7

ARA 1100 Automotive Refinishing 5

ARB 1010 Beginning Arabic I 5
The first in a four-course series focusing on five skills: listening, speaking, reading, writing and culture to develop functional language ability in survival & social situations. Emphasis is on proficiency. Attendance in lab is required.

ARB 1020 Beginning Arabic II 5
Prerequisite: ARB 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 & social situations. Emphasis is on proficiency. Attendance in lab is required.

ARB 1300 Beginning Conversation/Arabic 1
Prerequisite: 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
Prerequisite: Instructor approval. Students plan areas of study, service learning or travel & 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
Prerequisite: ARB 1020. The second year of Arabic focuses on five skills: listening, speaking, reading, writing and culture to develop functional language ability in survival & social situations. Emphasis is on proficiency. Attendance in lab is required.

ARB 2020 Intermediate Arabic II 4
Prerequisite: ARB 1020, or instructor approval. The second year of Arabic focuses on five skills: listening, speaking, reading, writing and culture to develop funcitonal language ability in survival & social situations. Emphasis is on proficiency. Attendance in lab is required.

ARB 2300 Intermediate Conversation 1
Prerequisite: 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
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
The study of the roles that designers play in society & what job markets are available in the areas of architecture, CAD, construction management, architectural history, landscape architecture, and interior design.

ARCH 1100 Introduction to Architectural Drawing 3
Students will learn to design and produce architectural drawings used in residential projects. Practical hand drafting skills in the production of floor plans, sections, details, elevations and schedules.

ARCH 1120 Civil Drafting 3
Prerequisite: ARCH 1320. The study of the various types of civil drafting: plats, cadastral maps, contour maps, profiles, road design, cut-and-fill and site layout. Includes mapping terminology symbols and standard formats. Taught using MicroStation.

ARCH 1130 Basic Drawing 3
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
Prerequisite: ARCH 1010, ARCH 1310. 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
Prerequisite: Computer literacy or instructor approval. 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 1320 Basic MicroStation 2
This course teaches drafting skills using MicroStation CAD system. Geometric construction, projection, dimensioning, sectioning, software set-up and directory organization will be discussed.

ARCH 1350 Computer Graphics 3
Prerequisite: Computer Literacy or instructor approval. 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
Prerequisite: ARCH 1130 or concurrent. This course will develop visual awareness & 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
Prerequisite: ARCH 1010 or instructor approval. Provides the foundation required for the interpretation of construction documents. Including drawings & specifications. This course prepares students for CSI's Construction Document Technician Examination.

ARCH 2140 Steel Detailing 4
Prerequisite: ARCH 2220. Studies include calculating loads and stresses on simple steel structures, design connections, and detail drafting required for fabrication. Students will learn appropriate safety factors and industry standards.

ARCH 2150 Architectural Graphics 3
Prerequisite: ARCH 1130. Course explores the preferred hand presentation techniques used with both two- & three-dimensional drawings in the arch. design. Students will experience the jury process, peer review & learn skills needed to prepare portfolios.

ARCH 2210 Commercial Construction 5
Prerequisite: ARCH 1210 or BCCM 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 2240 Applied Structures 4
A survey of the fundamental principles, technology, and drawings related to building HVAC systems, electrical distribut. practices, artificial lighting systems, vertical transportation, w/emphasis on the architects' involvement; covers both residential/commercial apps.

ARCH 2310 Modeling/Rendering/Animation I 3
Prerequisite: ARCH 1310. 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/Animation II 3
Prerequisite: 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
Prerequisite: ARCH 1310, ARCH 2510 or instructor approval. Basic customization of AutoCAD software will be discussed and practiced as it applies to architecture. Emphasis will be placed on developing AutoCAD tools and skills that will save time and improve productivity.

ARCH 2350 Advanced Architectural CAD 3
Prerequisite: ARCH 1310, ARCH 2510. Students will develop their CAD skills and use specific 3D architectural oriented software with AutoCad. Design and construction documentation will be examined.

ARCH 2450 Construction Management 5
Prerequisite: ARCH 1210 or ARCH 1370. This course covers planning, scheduling & construction of a project house using sub-contractors. Includes the study & use of bar charts, CPM & arrow networking, business ownership, bidding, contracts, bonds, insurance & labor laws.

ARCH 2460 Construction Estimating 2
Prerequisite: ARCH 1210 or BCCM 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
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 & life-safety regulations.

ARCH 2510 Residential Design - CAD 5
Prerequisite: ARCH 1210, 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
Prerequisite: ARCH 2210, ARCH 2510. Examines commercial construction materials, techniques & 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 1-20
Prerequisite: 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
This course is a glimpse into the world of art for the non-art major. There will be some non-judgmental, hands-on producing of art. Some reading and writing will be required.

ART 1020 Intro to Drawing (non-major)(FA) 3
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 1050 Intro to Photography (FA) 3
The study of the important contributions photography and photographers have made in the field of art. Explains basic functions of a 35mm camera. A 35mm SLR camera is required. Limited darkroom, for Non-Art Majors, Fine-Arts credit.

ART 1060 Calligraphy-Design & History (FA) 3
This is an introduction to the art of calligraphy & writing. Students will practice several calligraphic styles. Exploration of color and a variety of media will be expected. Some reading and writing are part of this course.

ART 1110 Foundation I Drawing 4
This course introduces methods of accurate line drawing, linear perspective, use of geometric shapes & cross-contour to clarify form. Light logic and various perspective devices will be used to create the illusion of 3-D volume.

ART 1120 Foundation II Drawing 4
Prerequisite: ART 1110 or ART 1020. This course is a continuation of the study of value through the use of paint and other mediums. Fundamentals of color theory, color mixing, and painting techniques are explored.

ART 1130 Printing Fundamentals (offset) 2
This is a hands-on learning experience where students will produce actual printed items. The process of copy preparation and terminology will be introduced. Prepress and bindery operations will be practiced.

ART 1150 Foundation Seminar 2
Prerequisite: Must be taken first semester. First semester VAD students are required to take this course as an intro to graphic design, photography, animation, illustration, electronic publishing and multimedia. Human relations skills needed to find and keep satisfying employment will be addressed.

ART 1170 Animation I 5
Prerequisite: ART 1110 and approval. This course offers an intense study of the basic principles of animation, the mechanics of motion, timing, lip sync, primary and secondary action. This course has a very heavy emphasis on drawing.

ART 1200 Production Art (QuarkXpress) 3
Prerequisite: ART 1800 or w/ART 1800. Design, Illustration, MultiMedia & Electronic Publishing majors are required to take this class. It is an introduction to electronic print production using QuarkXpress. Skills, tools and procedures needed to create basic files for output will be covered.

ART 1210 Math for Visual Arts 3
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 1220 Design 3
Students will be introduced to the basic principles (balance, rhythm, emphasis, unity) and elements (line, shape, texture, space, size, value,color) of design. All VAD majors are required to take this class.

ART 1230 Typography & Layout 3
Prerequisite: ART 1200, or w/ ART 1200, ART 1220, or w/ ART 1220. 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 1240 Screen Printing 3
Students will create designs that they will prepare and print using a direct emulsion stencil. They will learn screen preparation and stencil application. Most projects will be printed on paper.

ART 1250 Airbrush 3
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
Prerequisite: ART 1110. This course will introduce figure structure, including proportions, basic forms, methods of construction and analysis. Also included: gesture, contour, light and shade.

ART 1310 Basic Photography 4
The study of cameras, lighting and darkroom procedures, with emphasis on 35mm black and white. 35mm or medium format camera with adjustable settings and darkroom work required. Photographic films and paper also required.

ART 1320 Photographic Vision 1
Prerequisite: Concurrent with ART 1310 or ART 1050. Photographic expression and composition is explored through shooting and printing assignments. Emphasis is placed on creative exploration and visual arrangement of photographic composition. Various films and processes will be discussed.

ART 1340 Photo. Materials and Processes 3
Prerequisite: ART 1310. Students perform various film, paper and processing tests with emphasis placed on understanding their applications. Students will create technical notebooks, and will explore basic special purpose films and processes.

ART 1360 Photoshop for Design & Print 2
Prerequisite: ART 1800. Design, Illustration, Electtronic Publishing students should take this course. It is a continuation of the Photoshop basics learned in ART 1800; issues specific to offset print production will be emphasized.

ART 1380 Intermediate Photography 4
Prerequisite: ART 1310. A continuation of ART 1310. Emphasis placed on high-quality black and white negatives and prints, and the aesthetic aspects of photography as art and its uses in the commercial fields. Camera, materials and darkroom work required.

ART 1390 Color Photography 2
Prerequisite: ART 1310. Color negative and positive films will be covered. Emphasis will include exposure control, film processing and printing. Color theory, practice and aesthetics of image making will also be addressed.

ART 1530 Beginning Painting-Watercolor 3
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
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 1600 Beginning Pottery 3
This course is an introduction to the use of the potter's wheel. Beginning students become familiar with terms, tools and techniques used to create functional objects with the potter's wheel.

ART 1650 Intermediate Pottery 3
Prerequisite: ART 1600. This course is a further examination of pottery techniques. Students refine skills and develop a working knowledge of glazes, kiln and hand-building techniques.

ART 1670 Animation II 4
Prerequisite: ART 1170 and approval. Building on the skills taught in ART 1170, this course focuses on character development, computer techniques for 2D-3D integration, compositing and camera work.

ART 1700 Basic Design (non-majors) 2
This course is for the non-art major who desires general instruction & practice in the basic elements of design. Basic fundamentals of design outlined in assignments from class will be used & creative problem solving discussed.

ART 1800 Digital Media Essentials 4
Introduction to software & hardware used to create multimedia productions. Hands-on experience using hardware, software to create 2D/3D graphics, sound, animation, & video. Discussion of the multimedia market, copyright, & ethics in mass media.

ART 1810 Photoshop for Multimedia 2
Prerequisite: ART 1800. Multimedia majors are required to take this class. Photoshop will be used to create maps for use in 3D animation, and graphics for web design and digital video production.

ART 2000 Visual Art CO-OP Education 1-5
Prerequisite: Sophomore standing with a minimum GAO of 2.0, study-related employment working at least 20 hours per week, approval of department staff. This is 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.

ART 2010 History of Visual Art & Design 3
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 2050 Cartooning 2
Prerequisite: ART 1110, ART 1260. Cartoon structure, gesture and character design for use in illustration, graphic design and computer imaging. Facial expressions, caricature, background and props will be discussed.This is an intensive course with some color projects.

ART 2070 Occupational Preparation 3
Prerequisite: Second-year status. This class has two parts. Students will tour companies pertaining to the art industry. They will also prepare a professional portfolio and resume. Students will be expected to revise previous artwork as well as create new projects.

ART 2080 VAD Internship 3
Prerequisite: 3.5 GPA and portfolio review and second-year status. Students work at a visual art and design job location and receive academic credit rather than pay. To be considered, a student must have second year status. A transcript of grades and a portfolio must be submitted for approval.

ART 2140 Advanced Photoshop 2
Prerequisite: ART 1360 or ART 1810 or ART 2340 or instructor approval. This course is for all VAD majors who wish to learn advanced Photoshop features. Students will create samples for their portfolio.

ART 2200 Advanced Production Art (Quark) 2
Prerequisite: ART 1230. This course is for all students who wish to review and hone their QuarkXpress skills in preparation for finding employment. Creating and reworking portfolio pieces is part of this course.

ART 2210 Illustration I 3
Prerequisite: ART 1120 or w/ART 1120. This is an introduction to commercial illustration applications with emphasis on composition, drawing, creativity and exploration of techniques. Various black and white and color media will be introduced.

ART 2220 Advanced Design 3
Prerequisite: ART 1230. This course builds upon previous Design, Typography and Layout classes as well as introduces corporate identity and collateral design problems. Students will have the opportunity to produce portfolio and art show quality work.

ART 2230 Advanced Typography & Layout 3
Prerequisite: ART 1230. This course is a continuation of ART 1230. Students will explore the design aspects & 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
Prerequisite: ART 1230. 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
Prerequisite: ART 1260. This is a continuation of ART 1260. More emphasis will be placed on composition and interpretative approaches to drawing the human form.

ART 2270 Illustration II 3
Prerequisite: ART 2210. This is a continuation of ART 2210. Emphasis is on concept development, problem solving and creativity. Illustrations produced should approach professional level. Black and white mediums will be used.

ART 2280 Advertising Workshop 2
Prerequisite: ART 1220 and second-year status. 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, product analysis, proposals & presentations.

ART 2290 Advanced Illustration 2
Prerequisite: ART 2270. This is an advanced course that deals with traditional hand executed illustration. Media application, compositional theory & conceptual development will be undertaken and explored. A professional portfolio will be the course goal.

ART 2300 Alternative Photography 2
Prerequisite: ART 1380. An exploration of various techniques and applications of non-traditional and historic photographic processes and styles. Emphasis is placed on how these techniques can be applied in contemporary advertising & artistic photography.

ART 2310 Photographic Illustration 4
Prerequisite: ART 1380 and ART 1120. Learning to use the photographic studio setting to create images that illustrate a concept. Emphasis is on lighting equipment, light theory, large and medium format cameras. Polaroid and color transparency film will be used.

ART 2320 Documentary Photography 2
Prerequisite: ART 1380. The study of documentary techniques for visual communication Emphasis placed on developing sensitivity to and awareness of the emotional impact of photographic images. One assignment is the study of one 'subject' throughout the class.

ART 2330 Photo History & Contemporary Style 2
Prerequisite: ART 1050 or ART 1310. Introduce and explore various historic and contemporary photographers, events, styles and techniques to gain a better understanding of photography as a high-art and a powerful form of visual communication.

ART 2340 Photoshop for Photographers 2
Prerequisite: ART 1380, ART 1800. Students use Photoshop, scanners & printers to input, edit, color correct, print and store photographs. Discussions of digital cameras, web images and output. Adjustable 35mm film camera or fully adjustable digital camera required.

ART 2380 Advanced Studies in Photography 4
Prerequisite: ART 2310. Students refine skills learned in previous photography classes. Emphasis placed on understanding advanced applications and the development of a personal style and direction. Students work in the studio and on location.

ART 2410 Computer Art and Design 3
Prerequisite: ART 1800. Multimedia and Animation majors should register for this class. Students will create original images using drawing software (Illustrator, Freehand). Image creation for multimedia and the Web will be the focus of this class.

ART 2412 Illustrator 2
Prerequisite: ART 1800. Design and Illustration majors are required to take this class. Students will create original designs and illustrations using Illustrator software. Issues specific to offset printing will be emphasized.

ART 2415 Freehand 2
Prerequisite: ART 1800. Design majors are required to take this class. Students will use Freehand to create original pieces. Emphasis will be on designing for print output.

ART 2420 Advanced Illustrator 1
Prerequisite: ART 2410, ART 2412 or instructor approval. This class is for advanced VAD students who wish to create or rework pieces for their portfolio. Advanced Illustrator functions will be presented. This course is also for working artists who wish to update their skills.

ART 2430 Web Site Design 3
Prerequisite: ART 1800. This Web page creation class is geared toward visual artists. Areas of study include: HTML basics, preparing graphics for the Web, and an introduction to HTML editors. The principles and elements of design will be stressed.

ART 2450 Advanced Freehand 1
Prerequisite: ART 2410, ART 2415, or instructor approval. This class is for advanced VAD students who wish to create or rework pieces for their portfolio. Advanced Freehand features will be presented. This course is also for working artists who wish to update their skills.

ART 2470 Desktop Video Production 2
Prerequisite: ART 1810 or ART 1360 or ART 2340. This is an introduction to non-linear digital video editing and production using Adobe Premier. Video design, planning, equipment and terminology will be presented.

ART 2480 Computer Illustration 2
Prerequisite: ART 1800. Students use drawing & design skills learned previously to create illustrations on the computer. Media such as watercolor and oils will be simulated using Painter. Students will be required to create a min.of 3 port. quality images.

ART 2490 Advanced Studies in Computer Graphics 2
Prerequisite: 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 2520 Advanced Drawing 2
Prerequisite: 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
Prerequisite: 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
Prerequisite: ART 1540. A continuation of beginning oil. Further development of oil painting techniques. Composition and color are emphasized.

ART 2560 Figure Painting 3
Prerequisite: ART 1260. This is an introductory course to painting the human figure. Emphasis is on head studies.

ART 2610 Multimedia Authoring 2
Prerequisite: ART 2430. This is a continuation of ART 2430. Flash and Dreamweaver software will be introduced and used to design and prepare Web pages.

ART 2630 3-D Animation I 5
Prerequisite: ART 1810 or instructor approval. Industry leading software is learned to create 3-D models and animations for multimedia applications and broadcast video. Emphasis is on model complexity, animation planning, storyboard development and creative motion techniques.

ART 2640 3-D Animation II 2
Prerequisite: ART 2630. Industry standard software is used to create models and animation for the film and gaming industries. Complex surface modeling techniques, special effects materials and skeletal animation techniques will be emphasized.

ART 2650 Multimedia Production 3
Prerequisite: ART 1810 or instructor approval. Popular software (Director) is learned to produce interactive multi-media projects delivered onto CD ROM.

ART 2670 Animation III Digital Studio 3
Prerequisite: ART 1670 and approval. Individual and group projects will be conceived, storyboarded, animated and edited. Digital studio production, studio tools and procedures will be emphasized.

ART 2900 Visual Art and Design Seminar 1-3
Prerequisite: Instructor approval. Students may elect to participate in visual arts seminars and workshops, which may include travel. There are additional costs. Skeletal animation techniques will be emphasized.

ART 2940 Special Studies in Design 1-6
Prerequisite: 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
Prerequisite: 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
Prerequisite: 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
Prerequisite: Instructor approval. This course allows Photography majors to learn special skills or techniques, hone specific skills, learn new software or explore special photographic topics in a classroom setting.

ART 2980 Special Topics in Multimedia 1-6
Prerequisite: 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 Special Studies in VAD 1-3
Prerequisite: 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 2500 Art History: Prehistory/Renaissance (HU) 3
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 & architecture) from different cultures in context.

ARTH 2510 Art History: Renaissance/Contemporary (HU)3
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, & psychological factors that shape the changes in artistic expressions through time.

ARTH 2520 Latin American Art to 1750 (HU) 3
This is a survey course of art and architecture in the Pre-Columbian and Latin Baroque Worlds of Central, South and North America. The course aims at a broad introduction to the art of Latin America.

ARTH 2640 Asian Art: Buddhist Art 3
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
Course focuses on the artistic and cultural traditions of Japan, beginning with the prehistoric Jomon era and continuing to the present.

ASLI 1010 Beginning American Sign Language I 5
Students are introduced to basic ASL skill, including conversation strategies, spatial referencing and facial expression. Awareness of Deaf culture is also included. Lab attendance required.

ASLI 1020 Beginning American Sign Language II 5
Prerequisite: ASLI 1010. Students continue to develop basic ASL skills including classifiers, temporal sequencing, spatial agreement and object identification through description. Study of Deaf culture is continued. Lab attendance is required.

ASLI 1200 Introduction to Interpreting 3
Prerequisite: ASLI 1020. Students examine interpreting philosophies. Focus is on the intercultural and interlingual challenges which may arise during the interpreting process. Students learn and apply the code of ethics.

ASLI 1220 Cognition/Discourse Analysis 3
Prerequisite: ASLI 1020. Students learn cognitive processing skills related to interpreting including ability to concentrate and analyze visual and auditory stimuli. Discourse is analyzed focusing on context, linguistics and culture. Lab required.

ASLI 1300 Conversation I 1
Students practice currently held conversation skills to increase signing ability and vocabulary. Course includes role-plays, small group activities, and presentations. Lab attendance may be required.

ASLI 1400 Cross-Cultural Interpreting 3
Prerequisite: ASLI 1200, ASLI 1220 and ASLI 2010. Students study the value systems and cultural norms held by American Deaf and mainstream cultures and discuss conflicts which may arise during cross-cultural interactions. Students learn to anticipate and address cultural differences.

ASLI 1420 Consecutive Interpreting 3
Prerequisite: ASLI 1200, ASLI 1220 and ASLI 2010. Students work to integrate components skills of prepared and spontaneous consecutive interpretation. Students learn to shift register and vary their language production. Lab attendance required.

ASLI 1450 Mentorship 2
Prerequisite: ASLI 1200, ASLI 1220 and ASLI 2010. Students will work with identified members within the Deaf community to build relationships and understanding of the community, its norms and values.

ASLI 1900 Special Studies 1-3
Prerequisite: Instructor approval. This course is special studies in language or culture. Students plan their areas of study and work with the instructor on an individual basis.

ASLI 2010 Intermediate American Sign Language I 5
Prerequisite: ASLI 1020. The third in a series of four, this ASL course focuses on increasing functional language ability in survival and social situations. Emphasis is on proficiency. Lab attendance is required.

ASLI 2020 Intermediate American Sign Language II 5
Prerequisite: ASLI 2010. The fourth in a series of four, this ASL course focuses on increasing functional language ability in survival and social situations. Emphasis is on proficiency and Deaf culture. Lab attendance is required.

ASLI 2200 Simultaneous Interpreting 3
Prerequisite: ASLI 1400, ASLI 1420, ASLI 1450 and ASLI 2020. Students transition from consecutive to simultaneous format of interpretation. Focus is on the interpretation of expository texts which occur in group meetings and conference settings. Lab attendance is required.

ASLI 2220 Educational Interpreting 3
Prerequisite: ASLI 1400, ASLI 1420, ASLI 1450 and ASLI 2020. Students learn the interpreter role in mainstream education and recognize the effect of child development and classroom interaction patterns of interpreting. Students acquire specialized vocabulary found in the educational setting.

ASLI 2230 Linguistics of ASL 3
Prerequisite: ASLI 1400, ASLI 1420, ASLI 1450 and ASLI 2020. Students learn more about American Sign Language by studying linguistics research on ASL. Students will learn about ASL phonology, morphology, syntax, semantics and sociolinguistics.

ASLI 2300 Conversation II 1
Prerequisite: ASLI 1020. Students practice their ASL conversation skills to increase signing ability and vocabulary on a variety of subjects and registers. The course includes small group activities and class presentations. Lab attendance may be required.

ASLI 2400 Practicum 3
Prerequisite: ASLI 2200, ASLI 2220, and ASLI 2230. This course provides a minimum of 90 hours field experience interpreting in a supervised educational, community, or other setting. Students are responsible for finding a practicum site under the supervision of practicum advisor.

ASLI 2410 Practicum Seminar 1
Prerequisite: ASLI 2200, ASLI 2220 and ASLI 2230. This course provides students with an open forum to discuss situations arising from interpreter assignments during their practicum and an opportunity to prepare for entering the interpreter field.

AUTO 1110 Auto Electrical & Electronics 2
Prerequisite: Concurrent with AUTO 1111 Entry auto. Teaches relationships of electricity and electronics as it relates to automobiles. Covers OHM's law, lighting systems, starting, charging, & semi-conductors. Builds foundation for ignition and fuel systems.

AUTO 1111 Auto Electricity & Electronics 4
Prerequisite: Concurrent with AUTO 1110 Entry auto. Teaches relationships of electricity and electronics as it relates to automobiles: OHM's law, lighting systems, charging, semi-conductors. Builds foundation for ignition and fuel systems.

AUTO 1112 Automotive Engines 2
Prerequisite: Concurrent w/AUTO 1113. Explores the principles, operation and diagnostics of the internal combustion engine, engine troubleshooting, removal and replacement emphasized. Cooling system diagnosis and component replacement also covered.

AUTO 1113 Automotive Engines Lab 4
Prerequisite: Concurrent with AUTO 1112. Explores principles, operation & diagnostics of internal combustion engine, engine troubleshooting, removal & replacement emphasized. Cooling system diagnosis and component replacement also covered. Hands-on.

AUTO 1114 Advanced Electricity 2
Prerequisite: Concurrent with AUTO 1115. This course is specifically designed for incarcerated students to provide in-depth electrical and electronic theory.

AUTO 1115 Advanced Electricity Lab 4
Prerequisite: Concurrent with AUTO 1114. This lab is specifically designed for incarcerated students to provide application of electrical and electronic theory.

AUTO 1120 Automotive Brakes 2
Prerequisite: Concurrent w/AUTO 1114. This is an automotive service excellence certified training course covering the theory and functions of repair and maintenance of automotive braking systems.

AUTO 1121 Automotive Brakes Lab 4
Prerequisite: Concurrent with AUTO 1120. This is an automotive service excellence certified training course covering the service procedures and shop practices of automotive braking system components.

AUTO 1122 Suspension Steering 2
Prerequisite: Concurrent with AUTO 1123. This is an automotive service excellence certified training course covering the theory and functions of repair and maintenance of automotive suspension and steering systems.

AUTO 1123 Auto Suspension Steering Lab 4
Prerequisite: Concurrent with AUTO 1122. This is an automotive service excellence certified training course covering the service procedures and shop practices of automotive steering and suspension components.

AUTO 1199 Special Training/Auto 1-15
Allows the student to acquire additional expertise in a specific automotive application, approved by the instructor.

AUTO 1210 Engine Performance I 2
Prerequisite: AUTO 1111, concurrent with AUTO 1211. A lecture-based class on the diagnosis and repair of today's automotive engine performance and emission-related problems. Including, but not limited to, the diagnosis and testing of ignition, fuel delivery and emission system problems.

AUTO 1211 Engine Performance I Lab 4
Prerequisite: Concurrent with AUTO 1210. In this lab class, the student will apply the knowledge gained in the lecture class to proficiently diagnose and repair engine performance and emission-related problems with the help of stationary and handheld test equipment.

AUTO 1212 Engine Performance II 2
Prerequisite: AUTO 1110, AUTO 1111, AUTO 1210, AUTO 1211, concurrent with AUTO 1213. A lecture-based class on the diagnosis and repair of today's automotive engine performance and emission-related problems including, but not limited to, the diagnosis and testing of ignition, fuel delivery and emission system problems.

AUTO 1213 Engine Performance II Lab 4
Prerequisite: AUTO 1210, AUTO 1211, concurrent with AUTO 1212. In this lab class, the student will apply the knowledge learned in the lecture class to proficiently diagnose and repair engine performance and emission-related problems with the help of stationary and handheld test equipment.

AUTO 1220 Manual Transmission & AC 2
Prerequisite: AUTO 1110, AUTO 1111, concurrent with AUTO 1221. This lecture course discusses service & repair procedures of A/C & manual drive mechanisms. Function, theory, service, & overhaul is stressed. This class coordinates with AUTO 1221, providing a lab class.

AUTO 1221 Manual Transmission & A/C Lab 4
Prerequisite: AUTO 1110, AUTO 1111, concurrent with AUTO 1220. This is the hands on portion of Auto 1220 in Auto 1221. Industry repair procedures are duplicated in the lab. Manual transmission & A/C service, repairs & overhaul are covered. Student supplied with tools & coveralls are required.

AUTO 1222 Auto Trans & Electronic Shift 2
Prerequisite: AUTO 1110, AUTO 1111. concurrent with AUTO 1223. Lecture course covering service & repair of automatic transmissions & electronic shifting. Function, theory, service & overhaul of both domestic & import units will be discussed. This class coordinates with AUTO 1223.

AUTO 1223 Auto Trans & Elec Shift Lab 4
Prerequisite: AUTO 1110, AUTO 1111, concurrent with AUTO 1222. Coordinates with AUTO 1222 as the hands on lab portion. Service procedures & overhaul are offered on domestics & imports. Selected models are used. Student supplied tools & coveralls required.

AUTO 1299 Automotive Specialty Training .5-12
Allow automotive students to acquire additional expertise in a specific industrial automotive application, to be approved by the instructor.

BCCM 0400 Cabinet/Furniture Making 0
Course assists students in the use of woodworking tools and provides help as students work on individual projects which may include entertainment centers, kitchens or utility cabinets. Course for Senior Citizens, faculty/staff depend.

BCCM 0500 Cabinet/Furniture Making 0
Course assists students in the use of woodworking tools and provides help as students work on individual projects which may include entertainment centers, kitchens or utility cabinets. Course open to all students.

BCCM 1010 Building Construction Theory 5
Students will receive an overview of a building, from start to finish. Students will learn materials, tools & practices used in the construction industry. Topics include framing, concrete, finish work, cabinets, & construction management.

BCCM 1030 Construction Safety 3
Provide students with better understanding of current construction safety. Students will be certified in Powder Actuated tools, Fall Arrest, CPR, First Aid, OSHA-10, ASHO-30, Material Safety Data Sheets (MSDS), and power & hand tools.

BCCM 1040 Begin. Structural Construction 3.5
Prerequisite: Concurrent with BCCM 1060. A hands-on course for students with little/no concrete/framing carpentry experience. Starting from a freshly-excavated hole, students will build a structure, forming and placing the footings and foundation and entirely framing structure.

BCCM 1050 Building Construction Overview Lab 7
This lab provides practical experience with buildings. Concrete, framing, finish work, cabinets and millwork are included. This is the application of construction theory learned in BCCM 1010.

BCCM 1060 Beginning Structural Theory 1
Prerequisite: Concurrent with BCCM 1040. Theory of building a structure for students with little/no experience. Topics: materials of construction, construction methods/procedures, applicable building codes for basic structures, footings, foundations, and framing carpentry.

BCCM 1100 Construction Math 5
This is a course in mathematical operations and their practical application to solving trade problems. Percents, decimals, fractions, powers and triangle trigonometry will be used for calculations of areas, volumes and sizes.

BCCM 1140 Beginning Interior Finishes 3.5
Prerequisite: Concurrent with BCCM 1160. Hands-on course for students with little/no interior finish experience. Students will work on a project house installing doors, casing, base and shelving.

BCCM 1150 Blueprint Reading 3
This course will include study of architectural symbols and terms, relationships of views and sections. It includes a study of plans & specifications of residential & commercial construction. Includes code compliance and details.

BCCM 1160 Beg. Interior Finishes Theory 1
Prerequisite: Concurrent with BCCM 1140. The course introduces students with little or no experience with interior finishes to materials of construction, construction methods and procedures, and trends in current market.

BCCM 1200 Personal Projects 7
This course will allow students to plan a special project in an area of personal interest. Students will use the shop & tools of the trade to build projects of their own design. Safety is taught along with the correct use of equipment.

BCCM 1240 Beginning Cabinetmaking 3.5
Prerequisite: Concurrent with BCCM 1260. Hands-on course for students with little/no cabinetmaking experience; taught safe operation of typical shop equipment, and participate in building custom cabinets for current project home. Attendance is crucial.

BCCM 1260 Beginning Cabinet Theory 1
Prerequisite: Concurrent with BCCM 1240. For students with little/no cabinetmaking experience, introduction to the materials, layout, tools and construction techniques used in modern cabinetmaking. Students will assist in designing cabinets for current project home.

BCCM 1990 Home Maintenance 3
This course is designed for renters and homeowners. It will cover all aspects of doing minor repairs, replacement and maintenance of items that can be safely accomplished by the homeowner.

BCCM 2000 Building Construction CO-OP 3-5
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.

BCCM 2010 Framing Theory 5
Prerequisite: BCCM 1010, BCCM 1050. The theory and methods of framing, floors, stairs, walls & roofs in great detail. Building codes relative to framing will be covered as well. Students will learn how to layout, cut and build complex roofs, stairs and walls.

BCCM 2030 Framing Lab 7
Prerequisite: BCCM 1010, BCCM 1050. Students will participate in the framing of several project houses. Each student will practice framing skills of layout, cutting, assembly & supervision. Students will develop the skills to prepare them as employable framing carpenters.

BCCM 2040 Adv. Structural Construction 3.5
Prerequisite: BCCM 1040 or equiv. experience; concurrent with BCCM 2060. Hands-on course for students with some concrete/framing carpentry experience. Students will work in a leadership role, performing the more technical aspects of building footings and foundations as well as framing a structure.

BCCM 2050 Concrete Theory 3
Prerequisite: BCCM 1010 OR ARCH 1210. Students will learn about concrete technology, materials, carpentry, material science and codes associated with concrete will be included.

BCCM 2060 Advanced Structural Theory 1
Prerequisite: BCCM 1040 or equiv. experience; concurrent with BCCM 2040. This is a continuation of BCCM 1060 (Beginning Structural Theory) and will address the more technical aspects of footings, foundations, and framing carpentry and training in supervision of construction personnel.

BCCM 2080 Concrete Lab 7
Prerequisite: BCCM 1010, BCCM 1050. Students get actual experience in concrete construction, testing, forming, placement, finishing & curing of concrete. Skills are developed in the production of concrete to meet job specifications for commercial and residential work.

BCCM 2100 Finish Carpentry Theory 5
Prerequisite: BCCM 1010, BCCM 1050. In this course, students will learn about residential finish carpentry. The course includes theory & methods of hanging doors, hardware, trim, railings and other finish items.

BCCM 2120 Furniture Technology 3
This course develops students' understanding in the principles of furniture construction. The methods used for applications and styles of furniture are included.

BCCM 2130 Finish Carpentry Lab 7
Prerequisite: BCCM 1010, BCCM 1050. In this course, students will develop skills of the finish carpenter by doing the finish work on several projects. They will hang doors, install hardware, stairs, shelving, base, casing and crown moldings.

BCCM 2140 Advanced Interior Finishes 3.5
Prerequisite: BCCM 1140 or equiv. experience; concurrent with BCCM 2170. This is a hands on course for students with previous experience in interior finishes. Students will work in a leadership role and perform more technical aspects of interior finish, including tile and hardwood floors.

BCCM 2150 Cabinetwork Theory 5
Prerequisite: BCCM 1010, BCCM 1050. Study of the principles & methods used with design, layout, tools & construction of cabinet & millwork. Project design for manufacturing & the theories of cabinet production will prepare for entry into this state of the art industry.

BCCM 2160 Furniture Construction 5
Students will obtain practical experience in the construction and finish of fine furniture.

BCCM 2170 Adv. Interior Finishes Theory 1
Prerequisite: BCCM 1140 or equiv. experience; concurrent with BCCM 2140. This is a continuation of BCCM 1160 (Beginning Interior Finishes) and will address more technical aspects of all types of interior finish including tile, hardwood floors, stairs, handrails and other types of specialty finishes.

BCCM 2180 Cabinetwork Lab 7
Prerequisite: BCCM 1010, BCCM 1050. The study of layout of tools and construction of cabinets & millwork, including plastic laminates, moldings, trim & wood finishing. Students will learn manufacturing methods of the cabinet industry & gain experience in modern shop settings.

BCCM 2200 Construction Office Mgmt. 3
Prerequisite: All 1000 level required courses or equiv. experience. Covers payroll, new hire requirements, liability insurance, workers compensation insurance, bookkeeping (using QuickBooks for Contractors), FUTA, unemployment insurance etc. to successfully run a construction business.

BCCM 2210 Construction Field Mgmt. 3
Prerequisite: All BCCM 1000 level required courses or equiv. in work experience. Covers planning, scheduling, & construction of building projects using sub-contractors. Includes study of critical path management. Students act as project managers &superintendents.

BCCM 2230 Advanced Cabinetmaking 3.5
Prerequisite: BCCM 1240 or equiv. experience; concurrent with BCCM 2260. Hands-on course for students with previous cabinetmaking beginning students & are also trained to complete advanced machine operations and professional workmanship.

BCCM 2240 Construction Estimating 5
Prerequisite: All BCCM 1000 level required courses or equiv. experience. Material take-offs, labor cost estimates, subcontractor bids, equipment costs, price extensions and competitive bidding, with and without the use of the computer, will be covered in this class.

BCCM 2260 Advanced Cabinet Theory 1
Prerequisite: BCCM 1240 or equiv. experience; concurrent with BCCM 2230. A continuation of BCCM 1240. Students will learn advanced cabinet design, estimating, and the ordering of materials. Production methods, supervisory training, shop management, and quality finishing techniques will be taught.

BCCM 2270 Building Codes and Zoning 2
Prerequisite: BCCM 1010. 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 & life-safety regulations.

BCCM 2310 Construction Writing 3
This course covers the study of and practice in construction writing. Includes: basic word processing, daily logs, bid proposals, letters, policies, and procedures.

BCCM 2390 Advanced Framing Theory 2
Prerequisite: BCCM 2010, BCCM 2030. Students will report the experiences of their externships and how they relate to wood framed buildings. This course will include analysis of the externship and advanced framing theory.

BCCM 2400 Framing Externship 10
Prerequisite: BCCM 2010, BCCM 2030. This course is designed to bring the students to the level of framing competence for the fast-paced, high production work of the framing carpenter. Skill development includes: multi-angle, multi-level and multi-slope roofs and stairs.

BCCM 2470 Building Codes & Zoning 2
Prerequisite: All BCCM 1000 level required courses or equivalent experience. 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 & life-safety regulations.

BCCM 2490 Advanced Concrete Theory 2
Prerequisite: BCCM 2050, BCCM 2080. The students will report the experiences of the externship and how it relates to the concrete industry. This course will include the analysis of the externship and advanced concrete theory.

BCCM 2500 Concrete Externship 10
Prerequisite: BCCM 2050, BCCM 2080. Students will develop skills in the concrete industry to the level of production work as a concrete finisher. Work will include concrete driveways, curb and gutter, steps & floors. Includes finishing techniques, curing compounds and sealers.

BCCM 2590 Advanced Finishing Theory 2
Prerequisite: BCCM 2100, BCCM 2130. Students will report the experiences of the externship and how it relates to finish carpentry. This course will include the analysis of the externship and advanced finish work theory.

BCCM 2600 Finishing Externship 10
Prerequisite: BCCM 2100, BCCM 2130. The focus will be on the development of repetitive skills needed to become a quality finish carpenter. Includes installing doors, casing, base, chair rail, crown & trim work, stairs, shelves, window sills and wainscot finishes.

BCCM 2690 Cabinet Theory 2
Prerequisite: BCCM 2150, BCCM 2180. Students will report the experiences of the externship and how it relates to cabinetry. This course will include analysis of the externship and advanced cabinet theory.

BCCM 2700 Cabinet Externship 10
Prerequisite: BCCM 2150, BCCM 2180. This course is designed to provide hands-on opportunities in the areas of design, construction and installation of cabinets, counter tops and specialty furniture. Includes an in-depth study of cabinet making and millwork.

BCCM 2790 Adv. Construction Mgmt. 2
Prerequisite: BCCM 2200, BCCM 2240. Students will report the experiences of the externship and how it relates to construction management. This course will include the analysis of the externship and construction management theory.

BCCM 2800 Constr. Mgmt. Externship 10
Prerequisite: BCCM 2200, BCCM 2240. Provides the opportunity for students to work with managers in the industry. Learning experiences include job planning, tracking and finding solutions to problems that managers of construction jobs face every day.

BCCM 2990 Special Studies 1-20
This course is designed to cover special topics in building construction. This will be developed upon instructor approval in conjunction with the student.

BIOL 1010 Intro to Biology (BS) 4
Prerequisite: Concurrent with BIOL 1020. For non-science majors. A survey of living diversity from bacteria to plants and animals. Introduces cell structure and physiology, inheritance, evolution, and classification. Concurrent enrollment in the lab (BIOL 1020) is required.

BIOL 1020 Intro to Biology Lab (BS)
Prerequisite: Concurrent with 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 Intro to Plant Biology (BS) 4
Prerequisite: Concurrent with BIOL 1040. 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 1040) required.

BIOL 1040 Intro to Plant Biol. Lab (BS)
Prerequisite: Concurrent with BIOL 1030. Required as lab portion of 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 Intro to Animal Biology (BS) 4
Prerequisite: Concurrent with BIOL 1060. For non-science majors. Topics include: animal classification, evolution, and diversity. Three hours of lecture per week with additional lab component (BIOL 1060) required.

BIOL 1060 Intro to Animal Biol. Lab (BS)
Prerequisite: Concurrent with BIOL 1050. Required as lab portion of 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 Intro to Marine Biology (BS) 4
Prerequisite: Concurrent with BIOL 1080. Introductory study of Biology focusing on marine biological systems. Intended for non-science majors. Three hours lecture per week with additional lab component (BIOL 1080) required.

BIOL 1080 Intro to Marine Biol. Lab (BS)
Concurrent with BIOL 1070. Students will study marine plants, plankton, invertebrates and vertebrates. One laboratory session per week.

BIOL 1110 Intro to Human Anat/Phys (BS) 3
For non-science majors. Introduction to the human body. The structure, function, and organization of the major organ systems are examined at several levels. This class does not meet the prerequisite requirement for any biology class.

BIOL 1150 Physiology of Exercise (BS) 3
For non-science majors. Introduction to exercise physiology. Metabolic, muscular, cardiovascular, and respiratory adaptations to the application of work (exercise) stress are emphasized.

BIOL 1170 Foundations of Biology (BS) 4
Prerequisite: Concurrent with BIOL 1180. For HS majors. This course is a prerequisite for several other biology courses. Introduces cell chemistry, structure, metabolism, genetics, communication, and evolution. Three hours of lecture per week with additional lab component (BIOL 1180) required.

BIOL 1180 Foundations/Biology Lab (BS)
Prerequisite: Concurrent with BIOL 1170. Required as lab portion of BIOL 1170. Hands-on investigations of cellular processes including lab safety procedures, microscope usage, chemical and physical data acquisition, and data analysis. One laboratory session per week.

BIOL 1210 General Biology (BS) 4
Prerequisite: Concurrent with BIOL 1220. For biology/science majors. May be used as a prerequisite for any biology class. Content: biological chemistry, cell structure, metabolism, genetics, evolution, and diversity. Three hours of lecture per week with additional lab component (BIOL 1220) required.

BIOL 1220 General Biology Lab (BS) 0
Prerequisite: Concurrent with BIOL 1210. Required as lab portion of BIOL 1210. Activities include: laboratory safety, use of the microscope, the acquisition and interpretation of biological data, and a survey of organismal diversity. One laboratory session per week.

BIOL 1330 Plant Biology 4
Prerequisite: BIOL 1210/1220 (C grade or better) concurrent w/BIOL 1340. For biology/science majors. Topics covered include structure, function, growth, development, physiology, and systematics of plants. Three hours of lecture per week with additional lab component (BIOL 1340) required.

BIOL 1340 Plant Biology Lab
Prerequisite: BIOL 1210/1220 (C grade or better) concurrent w/ BIOL 1330. Required as lab portion of BIOL 1330. Laboratory observation and experimentation to enhance understanding of plant structure, function, and diversity. One laboratory session per week.

BIOL 1350 Animal Biology 4
Prerequisite: BIOL 1210/1220(C grade or better), concurrent w/ BIOL 1360. For biology/science majors. A study of mechanisms of evolution, animal systematics, development, & physiology. Three hours of lecture per week with additional lab component (BIOL 1360) required.

BIOL 1360 Animal Biology Lab 0
Prerequisite: BIOL 1210/1220(C grade or better), concurrent w/BIOL 1350. Required as lab portion of BIOL 1350. Laboratory study of animal biology. Lab activities include: animal development and systematics, cell and tissue organization and function, and a survey of diversity. One laboratory session per week.

BIOL 2000 CO-OP Education 2-4
Prerequisite: Sophomore with/minimum 2.0 GPA, study-related employment of at least 20 hrs/week and approval of director of cooperative education. Must be sophomore with/min. 2.0 GPA. Instructor agreement. Work experience in business, industrial, or government environment related to program major. Credit awarded upon completion of specific objectives.

BIOL 2020 Cell Biology 4
Prerequisite: BIOL 1210/1220(C grade or better), concurrent w/BIOL 2025. For biology/science majors. Topics covered include cell division, organelle structure and function, gene expression, cytoskeleton, and extracellular matrix. Concurrent enrollment in the lab (BIOL 2025) is required.

BIOL 2025 Cell Biology Lab
Prerequisite: BIOL 1210/1220(C grade or better), concurrent w/BIOL 2020. Lab required with BIOL2020. Introduction to some of the basic lab techniques in modern cell biology. Lab activities include: microscopy, cell fractionation and analysis of cellular components. One lab session per week.

BIOL 2030 Genetics 4
Prerequisite: BIOL 1210/1220 (C grade or better), CHEM 1210, concurrent with BIOL 2035. For biology/science majors. An introduction to the principles of genetics. Topics include: transmission (Mendelian), molecular, and population genetics. Concurrent enrollment in the lab (BIOL2035) is required.

BIOL 2035 Genetics Lab
Prerequisite: BIOL 1210/1220 (C grade or better), CHEM 1210, concurrent with BIOL 2030. Lab required with BIOL2030. 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 2050 Human Anatomy 4
Prerequisite: BIOL 1170 or 1210 (C grade or better) & w/ BIOL 2060. For HS and biology/science majors. Intro to the structure of the human body using a systemic approach. Structural relationships are evaluated by macro & microanalysis. Three hours of lecture per week & additional lab component (BIOL 2060) required.

BIOL 2060 Human Anatomy Lab
Prerequisite: BIOL 1170 or 1210 (C grade or better) with BIOL 2050. Required as portion of BIOL 2050. Hands-on evaluation of anatomical structures using microscopes & dissection. Human cadavers, histology slides, & human/animal body parts are used as study materials. One laboratory session per week.

BIOL 2100 Human Physiology 4
Prerequisite: BIOL 1170 or 1210 (C grade or better),w/ BIOL 2110. For HS and biology/science majors. A cellular and systemic approach to the study of body functions, including physical & chemical processes and interactions among the systems. Three hours of lecture per week & additional lab component (BIOL 2120) required.

BIOL 2110 Human Physiology Lab
Prerequisite: BIOL 1170 or 1210 (C grade or better), w/BIOL 2100. Required as lab portion of BIOL 2100. Hands-on lab investigations of physiological processes. Includes data acquisitions, analysis of cardiovascular, respiratory, digestive, immune & muscular systems. One laboratory session per week.

BIOL 2140 Microbiology 4
Prerequisite: BIOL 1170 or 1210(C grade or better), w/ BIOL 2150. 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 2150) required.

BIOL 2150 Microbiology Lab
Prerequisite: BIOL 1170 or 1210 (C grade or better), w/BIOL 2140. Lab required with BIOL 2140. 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 2330 Ecology 4
Prerequisite: BIOL 1330 or 1350 (C grade or better), w/ BIOL 2340. For biology/science majors. Intro to ecological and evolutionary principles, including: population interactions, ecosystem structure/function, energy flow, & biogeography. Three hours of lecture per week and additional lab component (BIOL 2340) required.

BIOL 2340 Ecology Lab
Prerequisite: BIOL 1330 or 1350 (C grade or better), w/ BIOL 2330. Required lab portion of BIOL 2330. This class provides an introduction to ecological methods, measurements, and data analysis. One laboratory session per week.

BIOL 2350 Field Studies in Biology 1-6
Prerequisite: BIOL 1210 (with C grade or better). For biology/science majors. This course provides an introduction to field studies of local environments and ecosystems.

BIOL 2900 Special Topics in Biology 1-5
Prerequisite: 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
Prerequisite: BIOL 1170 or BIOL 1210 (with 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
This course teaches the basics of brick laying, proper tool handling and safety, layout and course measurements.

BLA 1120 Bricklayer 1B 5
This course presents the basics of block masonry and the proper and safe use of tools and equipment.

BLA 1210 Bricklayer 2A 5
This course covers the joining of materials including brick to block, block to stone, arches, and more.

BLA 1220 Bricklayer 2B 5
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

BLA 2320 Bricklayer IIIB 5

BMA 1110 Boilermaker 1A 5
This course provides instructional training in CPR and First Aid, OSHA Safety, and use of hand and power tools. Basic rigging, hand signals, lifting devices, trade technology and mathematics will also be taught.

BMA 1120 Boilermaker 1B 5
In this course, the apprentice will receive instruction in welding theory, layout, basic drafting, and blueprint reading. Hands-on application in the welding shop will emphasize the theory portion.

BMA 1210 Boilermaker 2A 5
Level II welding including symbols, vertical, overhead, and horizontal welds with both theory and hands-on practical. Level II rigging including setting-up a hoist, install hoist lines and sling angle with practical application in shop.

BMA 1220 Boilermaker 2B 5
Level II drafting with written drafting and drawing, blueprint reading and pattern development. Theory and practical application of tools, layout, and fabrication.

BMA 2310 Boilermaker 3A 5
Level III welding including TIG and MIG theory and practical application. Level III rigging including multi blocks and methods of equaling and distributing loads. Theory and practical application included.

BMA 2320 Boilermaker 3B 5
Practical application of rigging continued. Tube rolling and installation and tank erection with theory and practical application. Blueprint reading III including fabrication also presented.

BMA 2410 Boilermaker 4A 5
Level IV welding including both theory and hands-on application. Level IV rigging theory and practical hands-on.

BMA 2420 Boilermaker 4B 5
Fabrication theory and practical hands-on for metal stud welding and waterwall preparation. Fiberglass theory and hands-on application. Foreman training and trade math also presented.

BMWT 1110 Introduction to Construction 5
This course offers individuals an opportunity to become familiar with construction-related fields. emphasis on construction and environmental safety will be taught. The student will use applied math (Mathematics for the Trades.)

BRC 1101 Intro. to Barbering Lab I 4
Prerequisite: Concurrent with BRC 1102. The first of two labs intended to be taken concurrently. Instruction & practice in the laboratory include haircuts, shaving, shampoos, tapers & scalp/face massaging. Tools are used as they apply in the barbering industry.

BRC 1102 Intro. to Barbering Lab II 4
Prerequisite: Concurrent with BRC 1101. The second of two labs intended to be taken concurrently. Instruction & practice in the laboratory include haircuts, shaving, shampoos, tapers & scalp/face massaging. Tools are used as they apply in the barbering industry.

BRC 1105 Intro. to Barbering Lab IIa 1
Intended as 1 of 2 alternatives for students who cannot take BRC 1102. Instruction & practice in the laboratory includes haircuts, tapers, shaves, shampoos, scalp/face massages. Tools are used as they apply in the barbering industry.

BRC 1110 Barbering Theory 4
Course covers principles & practice of hygiene and grooming, professional ethics, implements, honing and stropping, shaving, men's hair cutting, mustaches & beards, shampooing and rinsing, theory of massage and facial treatments.

BRC 1201 Cosmetology Orient. Lab I 4
Prerequisite: BRC 1101, concurrent with BRC 1202. The first of two labs intended to be taken concurrently. Practice & experience include shampooing, scalp and hair treatments, manicuring, hair cutting, styling, permanent waving, facials, trichology, hair coloring and bleaching.

BRC 1202 Cosmetology Orient. Lab II 4
Prerequisite: BRC 1101 concurrent with BRC 1201. The second of two labs intended to be taken concurrently. Practice & experience include shampooing, scalp and hair treatments, manicuring, hair cutting, styling, permanent waving, facials, trichology, hair coloring and bleaching.

BRC 1205 Cosmetology Orient. LabIIa 1
Prerequisite: BRC 1101. Intended as 1 of 2 alternatives for students who cannot take BRC 1202. Practice & experience include shampooing, scalp and hair treatments, manicuring, hair cutting, styling, waving, facials, trichology, hair coloring and bleaching.

BRC 1210 Cosmetology Theory 4
Prerequisite: BRC 1110. This class covers theory of hair coloring, skin and scalp disorders and diseases, chemistry of hair treatments and cosmetics. Chemical wave and hair relaxing are taught. Shaping, styling, finger waving & manicuring are introduced.

BRC 2301 Intro. to Cos./Barbering Lab I 4
Prerequisite: BRC 1201, concurrent with BRC 2302. The first of two labs intended to be taken concurrently. Continued practical experience with shampooing, treatments, manicuring, hair cutting, styling, permanent waving, facials, trichology, hair coloring and bleaching.

BRC 2302 Intro. to Cos./Barbering Lab II 4
Prerequisite: BRC 1210, concurrent with BRC 2301. The second of two labs intended to be taken concurrently. Continued practical experience with shampooing, treatments, manicuring, hair cutting, styling, permanent waving, facials, trichology, hair coloring and bleaching.

BRC 2305 Intro. to Cos/Barb. Lab IIa 1
Prerequisite: BRC 1201. Intended as 1 of 2 alternatives for students who cannot take BRC 2302. Continued practical experience with shampooing, treatments, manicuring, hair cutting, styling, permanent waving, facials, trichology, hair coloring and bleaching.

BRC 2310 Intermediate Cos/Barb Theory 4
Prerequisite: BRC 1210. This course is a discussion of hair structure anatomy and physiology, permanent waving and the history of barbering. Salon and barbershop ethics and management and salesmanship also are discussed.

BRC 2401 Advanced Cos/Barb Lab I 4
Prerequisite: BRC 2301, concurrent with BRC 2402. The first of two labs intended to be taken concurrently. Advanced practical experience with shampooing, treatments, manicuring, hair cutting, styling, permanent waving, facials, trichology, hair coloring and bleaching.

BRC 2402 Advanced Cos/Barb Lab II 4
Prerequisite: BRC 2301, concurrent with BRC 2401. The second of two labs intended to be taken concurrently. Advanced practical experience with shampooing, treatments, manicuring, hair cutting, styling, permanent waving, facials, trichology, hair coloring and bleaching.

BRC 2405 Advanced Cos/Barb Lab IIa 1
Prerequisite: BRC 2301. Intended as 1 of 2 alternatives for students who cannot take BRC 2402. Advanced practical experience with shampooing, treatments, manicuring, hair cutting, styling, permanent waving, facials, trichology, hair coloring and bleaching.

BRC 2410 Theory-State Board Preparation 4
Prerequisite: BCR 2310. This course will prepare the student for taking the state board exams and also will include advanced techniques in processing and coloring.

BRC 2710 Color Principles 2
Prerequisite: BRC 1200. This course offers an exploration of basic color principles in a transparent color medium (water color) followed by application of these principles in hair color, cosmetics and related cosmetology area.

BRC 2810 Salon Success 2
This course covers how-to build & keep your clientele, selecting salon location, appearance, commissions, hourly wages, benefits, expenses, telephone etiquette, appropriate client conversion & management skills for owners & managers.

BRC 2860 Ethnic Hair 2
Prerequisite: MGT 1100, LE 1220, COM 1010, BRC 2710, BRC 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
Prerequisite: MGT 1100, LE 1220, COM 1010, BRC 2710, BRC 2810. Basic techniques of advanced styling concepts; competitions, long hair styling and how they apply to hair design will be taught.

BRC 2990 Independent Studies 1-16
Prerequisite: Instructor approval. This course is designed for those students needing to accumulate additional clock hours upon completion of required course work.

BTEC 1010 Fund/Biotechnology I 3
Career exploration in biotechnology; emphasis on central dogma of biology, DNA techniques, applications in biotech, and bioethics. Topics include forensics and human cloning. Lab work will be included in this course.

BTEC 1020 Fund/Biotechnology II 3
Prerequisite: BTEC 1010. Emphasis on the nature of proteins and various techniques used to purify and analyze. Presentation of industry standards; including good manufacturing and lab practices, quality control, assurance and validation.

BTEC 1030 Biotechnology Seminar I 2
Critical reading of scientific literature; scientific oral and written skills; web-based curriculum will be used to explore the "Nature of Science" or how the process of scientific experimentation evolves.

BTEC 1060 Nucleic Acid/Protein Biotech 2
Prerequisite: BTEC 1010 and BIOL 1210. The chemistry of DNA, RNA and proteins will be the foundation for learning about the biological structure, function and analysis of these macromolecules.

BTEC 2010 DNA Manipulation/Analysis 4
Prerequisite: BTEC 1010 and BTEC 1210. Mastery of lab skills relevant to DNA technology; including recombinant DNA cloning, DNA gel electrophoresis, polymerase chain reaction and DNA mutagenesis. Cutting-edge techniques such as DNA micro arrays will be explored.

BTEC 2020 Protein Separation/Analysis 4
Prerequisite: BTEC 1020 and BTEC 1060. Emphasis on protein production, purification and analysis. Includes polyacrylamide gel electrophoresis, chromatography, two-hybrid analysis, western blot, ELISA'S, and FPLC. Proteomics will be discussed.

BTEC 2030 Cell Culture Techniques 3
Prerequisite: BIOL 2170. Basics of prokaryote and eukaryote cell culture; includes, handling, storage, and maintenance of bacterial, mammalian and yeast stocks. Media preparation and sterile techniques emphasized. Includes in vitro labeling and transfection.

BTEC 2040 Advanced DNA Lab Techniques 4
Prerequisite: BTEC 2020. This will be a six week module designed to teach students fermentation processes; including growth, isolation, harvesting, and maintenance of industrial microorganisms. Use of equipment and instrumentation will be emphasized.

BTEC 2050 Bioinformatics 2
Prerequisite: BTEC 2010. This course will be a six-week module that trains students to use computer programs and software to gather, store, analyze and integrate biological data, such as genomes and DNA microarrays. Previous computer knowledge is not needed.

BTEC 2100 Biotechnology Internship 7
Prerequisite: Faculty approval. Four to six objectives will be established by faculty and industry supervisor, along with appropriate duration of internship.

BUS 1050 Business and Society (ID) 3
Historical, sociological and philosophical overview of the fundamental aspects of business. Topics: business in a world in change, socioeconomics, the human factor and ethics in the workplace and social responsibility in a global market. Prerequisite: It is strongly recommended that this class be taken after (or concurrent with) ENGL 1010 or that the students have compatible writing skills.

BUS 1900 Special Projects (DEX) 2
Students apply the marketing management techniques and strategies to a variety of projects and activities. Four basic objectives: vocational understanding, leadership development, civic consciousness and social intelligence.

BUS 1910 Special Projects (PBL) 2
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 2010 Business Communication (IN) 3
Prerequisite: ENGL 1010. Students develop critical reading, thinking and business writing skills. They analyze communication situations, develop effective arguments, use appropriate business styles and forms, and design presentations, often as teams.

BUS 2150 Calculus for Business 3
Prerequisite: 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.

BWL 1110 Boilermaker, Welder, Layout IA 5
Hands-on class in basic blueprint reading for industry and layout for metal fabrication. Material covered is for basic print reading, weld types, and materials used. Introduction to layout processes and procedures.

BWL 1120 Boilermaker, Welder, Layout IB 5
Hands-on class in advanced blueprint reading for industry and layout for metal fabrication. The material covered is for advanced print reading, specialty welds, and advanced layout for metal fabrication.

CAPS 2991 CAPS Apprenticeship I 1-18
Prerequisite: Instructor approval. Advanced framing with emphasis on floor systems. Qualified incarcerated students participate in the CAPS program, a partnership between Utah Housing, Utah Correctional Industry, and SLCC BC/CM program at the Prison.

CAPS 2992 CAPS Apprenticeship 2 1-18
Prerequisite: Instructor approval. Advanced Framing with emphasis on walls. Qualified incarcerated students participate in the CAPS program, a partnership between Utah Housing, Utah Correctional Industry, and SLCC BC/CM program at the Prison.

CAPS 2993 CAPS Apprenticeship 3 1-18
Prerequisite: Instructor approval Advanced Framing with emphasis on roofs. Qualified incarcerated students participate in the CAPS program, a partnership between Utah Housing, Utah Correctional Industry, and SLCC BC/CM program at the Prison.

CAPS 2994 CAPS Apprenticeship 4 1-18
Prerequisite: Instructor approval Advanced Framing, emphasis on interior/exterior finishes. Qualified incarcerated students participate in the CAPS program, a partnership between Utah Housing, Utah Correctional Industry, and SLCC BC/CM program at the Prison.

CEEN 1100 Civil Engineering Design 3
Prerequisite: MATH 1010. The progression of civil and environmental engineering 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 1300 Statics 3
Prerequisite: MATH 1210, PHY 2210. Principles of forces, moments & couples; resultant & static equilibrium of general force systems; statically equivalent systems, center of gravity & pressure; friction; Free body method of analysis. Principles applied to engr. problems.

CEEN 2000 Cooperative Education 1-2
Prerequisite: Sophomore standing with minimum GPA of 2.0 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 2030 Surveying 3
Prerequisite: MATH 1060. 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 2040 Numerical Techniques 2
Prerequisite: CS 1050, MATH 2250. Order of convergence; error accumulation; root finding; solution of linear & nonlinear equations; numerical integration & differentiation. Solutions to ordinary and partial differential equations will be discussed.

CEEN 2130 Economics w/ Prob. & Stat. 3
Prerequisite: MATH 1050. Lectures and discussion on Engineering economic decisions, equivalence & interest formulas, rate of return, project evaluation and cash flow, depreciation, taxes, and an intro. to Eng. Probability and Statistics.

CEEN 2310 Strength of Materials I 2
Prerequisite: CEEN 1300, concurrent with MATH 2250. Internal forces in members, concept of stress & strain, axial loading, Hooke's Law, torsion, pure bending, traverse loading, transformations of stress & strain, pressure vessels, beam deflection & column bending are discussed.

CEEN 2320 Strength of Materials II 2
Prerequisite: CEEN 2310, concurrent w/CEEN 2330 and MATH 2210. Combined stresses and stress resolution, deflections in beams, energy methods, statically indeterminate members and structures, shear centers, failure criteria and instability of columns are taught.

CEEN 2330 Strength of Materials Lab 1
Prerequisite: Concurrent with CEEN 2310. 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 2340 Dynamics I 2
Prerequisite: CEEN 1300, MATH 1220. 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 2410 Structural Theory I 3
Prerequisite: CEEN 2310. Students examine structural loads, analysis of statically determinate structures, flexural members, plane trusses, influence lines, simple arches, basic cable theory and influence lines for beams and trusses.

CEEN 2900 Special Topics-Civil Engineering 1-3
Special topics in Civil/Environmental Engineering.

CHE 2000 Cooperative Education 1-2
Prerequisite: Sophomore w/minimum 2.0 GPA, 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 2800 Fund. of Process Engineering 3
Prerequisite: CHE 2850. 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 2850 Engineering Thermodynamics 2
Prerequisite: CHEM 1210, MATH 1220 and PHY 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 2900 Special Topics-Chem. Engr. 1-3
Special Topics in Chemical Engineering.

CHEF 1110 Sanitation 3
This is an introduction to environmental sanitation and hazardous analysis critical control point-based food safety practices. Attention is focused on prevention of food-borne illness.

CHEF 1120 Introduction to Food Service 3
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
This course explores various marketing systems including implementation, segmentation and positioning. Students will be required to produce a feasibility study based on a thorough market survey.

CHEF 1210 Food and Beverage Service 3
The course concentrates on professional standards of performance for dining room personnel. This course may be taught with a service-learning component. Check course schedule for details.

CHEF 1250 Food Preparation 6
Basic fundamental skills and techniques are presented through lecture and demonstration emphasizing organization and coordination of tasks.

CHEF 1320 Business Math 3
This class introduces students to the need and principles of controlling costs of food and beverages in a hospitality operation.

CHEF 1350 Food Preparation Lab 6
Prerequisite: CHEF 1110. This is an applied, hands-on skill training of the principles learned in the CHEF 1250 class. Students have already completed or must concurrently be registered for the CHEF 1110 class.

CHEF 1600 Herb Horticulture 1
This course is a combination of both lecture and hands-on. Students identify, cultivate and use various herbs. Students plant, maintain and harvest herbs from a school garden.

CHEF 2000 Baking Co-Op 4
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
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 begins.

CHEF 2410 Purchasing 3
Principles and typical industry practices of purchasing food non-food supplies and equipment for hospitality operations will be taught. Various methods of understanding and preparing specifications are required in a class project.

CHEF 2420 Baking 3
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
This is an applied, hands-on skill training of the principles learned in the CHEF 2420 class. Students have already completed or must concurrently be registered for the CHEF 1110 class. Prerequisite: CHEF 1110.

CHEF 2510 Continental Cuisine 3
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
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 Continental Cuisine Lab 3
This is an applied, hands-on skill training of the principles learned in the CHEF 2510 class. Students have already completed or must concurrently be registered for the CHEF 1110 class. Prerequisite: CHEF 1110.

CHEF 2610 Menu Design 3
An in-depth review of different types of menus precedes actual costing, pricing and analyzing of menus. Menu mechanics, such as typeset, weight and layout are practiced in accordance with current truth in menu regulation.

CHEF 2620 Supervision and Training 3
This is a business management course with techniques of supervision and training specifically used in hospitality operations being taught. Styles of management are examined with advantages/disadvantages of each.

CHEF 2680 Catering Mangement 3
Students study how to organize and operate a small to Students study how to organize and operate a small to mid sized catering business. Students participate in hands on activities that can go towards their required 2000 hours on-the-job requirement for graduation. Prerequisite: CHEF 1110.

CHEM 1010 Intro to Chemistry (PS) 3
Survey of general chemistry: structure, composition, properties and chemical transformations. This course may be taught with a service-learning component. Check course schedule for details.

CHEM 1100 Preparatory Chemistry 3
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
Prerequisite: MATH 1010 or equivalent, concurrent w/CHEM 1130. Introductory course in general inorganic and organic chemistry of hydrocarbons of functional groups. For health science students and other non-chemistry majors.

CHEM 1120 Elementary Bioorganic Chemistry 4
Prerequisite: CHEM 1110, concurrent with CHEM 1140. Introductory organic chemistry of heteroatom functional groups and introductory biochemistry. Primarily for health science students and other non-chemistry majors.

CHEM 1130 Elementary Chemistry Lab 1
Prerequisite: Concurrent with CHEM 1110. Graded laboratory taken concurrently with CHEM 1110.

CHEM 1140 Elementary Bioorganic Chemistry Lab 1
Prerequisite: concurrent with CHEM 1120. Graded laboratory taken concurrently with CHEM 1120.

CHEM 1160 Elementary Chemistry Problem Session 1
Problem session for CHEM 1110. Though not required, students are strongly encouraged to register for this session.

CHEM 1170 Elem. Bioorganic Chem Problem Session 1
Problem session for CHEM 1120. Though not required, students are strongly encouraged to register for this session.

CHEM 1210 General Chemistry I 4
Prerequisite: MATH 1050 w/C or better, concurrent with CHEM 1230. 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 1220 General Chemistry II 4
Prerequisite: CHEM 1210, concurrent with CHEM 1240. 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 1230 General Chemistry Lab I 1
Prerequisite: Concurrent with CHEM 1210. Graded laboratory taken concurrently with CHEM 1210.

CHEM 1240 General Chemistry Lab II 1
Prerequisite: Concurrent with CHEM 1220. Graded lab taken concurrently with CHEM 1220.

CHEM 1260 General Chemistry I Problem Session 1
Problem session for CHEM 1210. Though not required, students are strongly encouraged to register for this session.

CHEM 1270 General Chemistry II Problem Session 1
Problem session for CHEM 1220. Though not required, students are strongly encouraged to register for this session.

CHEM 2000 Chemistry CO-OP 2-4
Prerequisite: 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 or employment.

CHEM 2310 Organic Chemistry I 4
Prerequisite: CHEM 1220 w/C or better, concurrent with CHEM 2330. 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 2320 Organic Chemistry II 4
Prerequisite: CHEM 2310 w/C or better, concurrent with CHEM 2330. Conjugated and aromatic systems, organometallic compounds carbonyl compounds, carboxylic acids and derivatives, amines biological molecules. Mechanistic organic chemistry, functional group transfomation and multistep synthesis.

CHEM 2330 Organic Chemistry Lab I 1
Prerequisite: Concurrent with CHEM 2310. Graded laboratory concurrent with CHEM 2310.

CHEM 2340 Organic Chemistry Lab II 1
Prerequisite: Concurrent with CHEM 2320. Graded laboratory concurrent with CHEM 2320.

CHEM 2360 Organic Chemistry I Problem Session 1
Problem session for CHEM 2310. Though not required, students are strongly encouraged to register for this session.

CHEM 2370 Organic Chemistry II Problem Session 1
Problem session for CHEM 2320. Though not required, students are strongly encouraged to register for this session.

CHFA 1110 Sanitation 3
This is an introduction to environmental sanitation and hazardous analysis critical control point-based food safety practices. Attention is focused on prevention of food-borne illness.

CHFA 1120 Introduction to Food Service 3
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.

CHFA 1130 Management of Marketing 3
This course explores various marketing systems including implementation, segmentation and positioning. Students will be required to produce a feasibility study based on a thorough market survey.

CHFA 1210 Food and Beverage Service 3
The course concentrates on professional standards of performance for dining room personnel. This course may be taught with a service-learning component. Check course schedule for details.

CHFA 1220 Beginning Food Preparation 3
Prerequisite: CHFA 1110. Basic fundamental skills and techniques are presented through lecture and demonstration emphasizing organization and coordination of tasks. Students have already completed or must concurrently be registered for the CHFA 1110 class.

CHFA 1310 Advanced Food Preparation 3
Advanced skills and techniques are presented through lecture and demonstration emphasizing organization. Students have already completed or must concurrently be registered for the CHFA 1110 class. Prerequisite: CHFA 1110.

CHFA 1320 Business Math 3
This class introduces students to the need and principles of controlling costs of food and beverages in a hospitality operation.

CHFA 1330 Foundation Wine 3
This course will provide training on the pairing of food and beverages, including wines and other beverages both alcoholic and non-alcoholic.

CHFA 1600 Herb Horticulture 1
This course is a combination of both lecture and hands-on. Students identify, cultivate and use various herbs. Students plant, maintain and harvest herbs from a school garden.

CHFA 2000 Co-Op 4
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.

CHFA 2410 Purchasing 3
Principles and typical industry practices of purchasing food non-food supplies and equipment for hospitality operations will be taught. Various methods of understanding and preparing specifications are required in a class project.

CHFA 2420 Baking 3
Prerequisite: CHFA 1110. An introduction to the principles and techniques used in the preparation of high-quality baked goods and pastries. Students have already completed or must concurrently be registered for the CHFA 1110 class.

CHFA 2510 Continental Cuisine 3
Prerequisite: CHFA 1110. Cold kitchen cookery is taught. An introduction to three main areas of the cold kitchen: reception foods, plated appetizers, and buffet arrangements. Students have already completed or concurrently be registered for CHFA 1110.

CHFA 2520 Nutrition 3
In this course, students learn about basic nutrients, food labeling, current issues in nutrition, and the application of nutritional principles to menu development.

CHFA 2610 Menu Design 3
An in-depth review of different types of menus precedes actual costing, pricing and analyzing of menus. Menu mechanics, such as typeset, weight and layout are practiced in accordance with current truth in menu regulation.

CHFA 2620 Supervision 3
This is a business management course with techniques of supervision and training specifically used in hospitality operations being taught. Styles of management are examined with advantages/disadvantages of each.

CHFA 2680 Catering Management 3
Prerequisite: CHFA 1110. Students study how to organize and operate a small to mid sized catering business. Students participate in hands on activities that can go towards their required 2000 hours on-the-job requirement for graduation.

CHI 1010 Beginning Chinese I 5
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 survival and social situations. Lab attendance required.

CHI 1020 Beginning Chinese II 5
Prerequisite: 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 survial and social situations. Lab attendance required.

CHI 1300 Beginning Conversation 1
Prerequisite: 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 1-3
Prerequisite: 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
Prerequisite: 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
Prerequisite: CHI 2010 or instructor approval. Fourth 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.

CHI 2300 Conversation 1
Prerequisite: 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
Prerequisite: 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 Intro to Chinese Film 3
Prerequisite: 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
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 1020 Computer Essentials (CL) 3
A hands-on introduction to problem solving using Computer tools. Basic hardware and Office software products topics are discussed.

CIS 1030 Object-Oriented Programming I 3
Prerequisite: Concurrent with 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 1040 Intro Design and Programming 6
Prerequisite: CIS 1020 or computer proficiency. Intro to logic and problem-solving techniques. Extensive use of flowcharts, pseudo code & structure charts to design and implement solutions using a programming language. Topics include: Subroutines, I/O, arrays, control breaks.

CIS 1130 Object-Oriented Programming II 3
Prerequisite: 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 Analy./Design 3
Prerequisite: CIS 1130 or concurrent. 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 1140 RPG Programming 3
Prerequisite: CIS 1040 or concurrent. Introduction to RPG programming. Emphasis is on the use of RPG to solve business problems. Structured design and programming techniques are used to solve problems. Also includes discussions of AS/400.

CIS 1170 Analysis, Design & Prog Method 6
Prerequisite: CIS 1040. Intro to design methodologies with emphasis in Structured, and Object Oriented Analysis, Design, and Programming. Strategies for translating the products of design into well written programs are presented.

CIS 1430 Internet Usage 2
Prerequisite: CIS 1020 or competency. An introduction to Internet theory and usage. Topcs include: TCP/IP theory, Internet applications, HTML, XML, and basic Javascript. Emphasis will be on E-commerce and Internet use for business and academic research.

CIS 1500 PC Disk Operating Systems 2
A comprehensive study of PC-DOS covering all internal and external commands, writing of batch files, understanding of the DOS structure.

CIS 1510 Windows Operating System 2
A comprehensive study of the design and the features available in Windows operating system currently used on PCs including operations, use and set-up considerations.

CIS 1520 Operating Systems 3
Prerequisite: CIS 1020. Introduces the fundamental concepts of operating systems. Command-based & graphical OS's are examined. Concepts include: virtual memory, multitasking, security, hardware support, & files systems.

CIS 1550 Microcomputer Data Base Usage 2
Prerequisite: CIS 1020 or competency test. This introduction to personal computer database software usage offers hands-on experience in planning a micro-computer database system, file organization, understanding commands and using programming commands.

CIS 1900 Spec Proj/DPMA 1
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
Prerequisites: Sophomore 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 2150 Computer Organization 3
Prerequisite: CIS 1030 and CIS 1130 (or concurrent). The course explores specific physical and functional characteristics of computer memories, CPU, peripherals and interfaces between components and is designed to clarify the relationships between software and hardware.

CIS 2300 COBOL Programming 6
Prerequisites: CIS 1135 or concurrent. A course in programming using COBOL to solve business related problems. Topics: Techniques, syntax of language, program design, etc. Advanced topics: Sorting, Report Writer copy libs, sub programs, overlays, and database techniques

CIS 2350 UNIX System Administration 3
Prerequisite: CIS 1020 or competency test. Introduction to Unix Usage and Administration. Topics include fundamental commands, communications, networking and script writing. Includes survey of several versions including BSD, AT&T, Solaris, and Linux.

CIS 2410 Adv. Spreadsheet Applications 2
Prerequisite: CIS 1020 or competency test. An extensive study and hands-on examination of practical business applications of electronic spreadsheet. The course provides a comprehensive coverage of features available in the current Windows spreadsheet software.

CIS 2420 Networking Fundamentals 3
Prerequisite: 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 & Unix.

CIS 2430 Internet Programming & Admin 3
Prerequisite: CIS 1430. Students learn to create E-Commerce solutions and Internet. applications using PERL, JAVA, Javascript, HTML, XML, etc. Students also learn TCP/IP and socket programming along with administration of Server Software.

CIS 2460 Network Management 3
Prerequisite: 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 2550 Data Base Programming 3
Prerequisites: CIS 1030, CIS 1550. Implementation of data base programming usage and concepts in creating a data base system.

CIS 2600 Fundamentals of Database Management 3
Prerequisite: CIS 1030 or concurrent. 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, & Admin.

CIS 2650 ORACLE Database Development 3
Prerequisite: 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
Prerequisite: 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
Prerequisite: CIS 2730 Adv. 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, & other topics may be studied & implemented.

CIS 2760 Java I 3
Prerequisite: Concurrent with CIS 1135. Provides the student with the required knowledge & skills to build business object-oriented programs using Java. Students will learn the Java syntax & all necessary object-oriented concepts for the creation of meaningful business projects.

CIS 2770 Java II 3
Prerequisite: CIS 2760. Provides student with the required knowledge and skills to build adv. business object-oriented programs using Java. Students learn Java APIs, design & program large-scale programs using various design patterns in the software development life cycle.

CIS 2780 Java Technologies 3
Prerequisite: CIS 2770. This is a course dealing with an in depth understanding of JAVA. Discusses current/future technologies in the field. A major coding project of the student's choice with written documentation is required.

CIS 2800 Business Systems Design 3
Prerequisite: CIS 2600; CIS 2760 OR CIS 2730. Learn techniques of analyzing, designing, & implementing business systems. Includes system management, preliminary investigation, detailed investigation, specifications, output & input, documentation, object oriented analysis & design tools.

CIS 2810 E-Commerce Sys Design/Implementation 3
Prerequisite: CIS 2750, CIS 2650, ART 1460. Students will learn the techniques of E-Commerce implementation. The course includes developing an E-Commerce project proposal, managing the project, project reporting, & project implementation, including electronic publishing/presentation.

CIS 2990 Current Topics in CIS 1-3
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 Criminal Justice 3
This course covers the purpose, function and history of the agencies in our criminal justice system, the Police, Courts, and Corrections.

CJ 1100 Introduction to Corrections 3
Prerequisite: 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
Prerequisite: CJ 1010. Examines crimes, defenses, and the historical origins and functions of criminal law in our society. Included are criminal trial, pre- and post-trial motions and the law enforcement officer as a witness & tactics of defendants.

CJ 1340 Criminal Investigations 3
Prerequisite: CJ 1010. Duties of officers in investigation of crimes. Included are investigative techniques in preliminary & follow-up investigation: reports, interviewing, interrogation, obtaining information, locating & arresting suspects, prep. for trial.

CJ 1350 Criminalistics 3
Prerequisite: CJ 1340 strongly recommended. This covers the importance of locating, collection and preservation of physical evidence at crime scenes. Included are crime laboratory techniques and services in examination to evidence.

CJ 1900 Special Studies 1-24
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/Reserv Office 12
Module I - 12 weeks. Must be 21 years old by graduation from Module II. Eligible for airport of campus security, corrections, and constable service.

CJ 1920 Peace Officer Basic 12
Prerequisite: Must complete CJ 1910. Module II - 19 weeks. Law Enforcement Certification.

CJ 2000 Criminal Justice Co-op 2-4
Prerequisites: CJ 1010, CJ 1330, CJ 1340, CJ 1350, 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 Management 3
Prerequisite: 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
Prerequisite: 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
Prerequisite: 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 ContemporaryPrison/Jail Issues 3
Prerequisite: CJ 1010. Focuses on the various problems encountered in prisons and jails. Topic areas include officer morale & conduct, inmate culture, cultural diversity, custody & control, discipline, treatment, inmate deprivations and violence.

CJ 2350 Laws of Evidence 3
Prerequisite: CJ 1330. Course covers law and procedure regarding evidence in criminal cases. Special attention will be placed on laws of arrest, search and seizure and the exclusionary rule. Role in presenting evidence at trial will also be covered.

CJ 2360 Juvenile Law and Procedure 3
Prerequisite: CJ 1330. 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 2390 Traffic Law/Related Services 3
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
Prerequisite: CJ 1010. This course examines the science of victimology.

CJ 2420 Anatomy of Homicide Investigation 3
This course follows investigative methods utilized in homicide cases.

CJ 2430 Satanism/Cults 3
Prerequisite: CJ 1010. This course examines Satanism and occult crimes.

CJ 2440 Organized Crime 3
Prerequisite: CJ 1010. This course examines roots, causes, and operations of organized crime in the United States and around the world from the late 1800's at the beginning of the Mafia to modern gangs and organized criminal elements.

CJ 2450 Terrorism 3
Prerequisite: 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
Prerequisite: CJ 1010. This course examines the technique of criminal investigation analysis and psychological profiling.

CJ 2470 Introduction to Criminology 3
Prerequisite: CJ 1010. This course covers various theories in the study of criminology and criminal behavior.

CJ 2480 Crime Scene Processing 3
Prerequisite: 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
Prerequisite: CJ 1010. This course examines the government's efforts in the war on drugs.

CJ 2500 Contemporary Violence 3
Prerequisite: 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
Prerequisite: CJ 1010. This course examines the psychological aspects of criminal behavior.

CJ 2520 Victim Issues 3
Prerequisite: CJ 1010. This course examines various issues in the criminal justice system as they relate to the victims, witnesses, and offenders.

CJ 2530 Police Patrol Techniques 3
Prerequisite: 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
Prerequisite: 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 2920 Special Topics in CJ 3
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
This course covers the use and characteristics of concrete, materials used, safe use and practices with tools and equipment. Course also covers subgrade preparation and form work.

CMA 1120 Cement Mason 1B 5
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
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 2B 5
Level I 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 3A 5
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 3B 5
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.

COM 1010 Elements of Effective Communication (CM) 3
Listening, verbal & nonverbal messages, negotiation conflict management, and diversity in workplace and interpersonal settings. Communication theory & practice applied in small group, writing, & electronic & verbal presentation assignments.

COM 1050 Elements of Human Communication (HU) 3
Survey of the basic issues, theories and perspectives in the study of human communication, through critical analysis of oral, written and audio-visual texts.

COM 1120 Small Group Communication 3
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.

COM 1200 Principles of Public Speaking (CM) 3
Emphasis on the dual role of speech as both a speaking and listening skill. Practice is provided through individual speeches with emphasis on organization and delivery. Electronic and verbal presentations are delivered.

COM 1250 Broadcast Performance & Interpretation 3
Integrates the theory & practice of performance studies as applied in broadcast and other communications settings. Provides experience & training in voice, articulation, pronunciation, breathing, interpretation, general appearance, & presentation.

COM 1270 Analysis of Argument 3
Introduction to the study of argumentation--reasoning, issues, audience analysis--in decision-making contexts.

COM 1500 Introduction to Mass Comm. (ID) 3
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 & government.

COM 1510 Broadcast Production and Performance 4
Prerequisite: Concurrent with COM 1511. Development of basic performance and production skills for television, using individual and group assignments.

COM 1511 Broadcast Production Lab 1
Prerequisite: Concurrent with COM 1510. Hands-on component to the study of television production, using the student television video facility.

COM 1530 Radio Production 2
Prerequisite: Concurrent with COM 1531. This course provides instruction and experience in the production of audio programs for radio, including the history, career opportunities, issues, and techniques of radio. The student radio station provides daily student participation.

COM 1531 Radio Production Lab 1
Prerequisite: Concurrent with COM 1530. This is the lab portion of the Radio Production class. Students will use the radio lab facilities to complete audio projects and/or to do on-air work on the student radio station.

COM 1600 Reporting for the Mass Media 4
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.

COM 1610 Journalism I Reporting/Writing 3
Prerequisite: ENGL 1010. This is a basic survey course in journalism, emphasizing fact finding & news writing, including investigative reporting on specific beats. Class members contribute to the student newspaper and/or to other student news media.

COM 1620 Journalism II - Editing 3
Prerequisite: COM 1610. Students study in-depth reporting, focusing on the rules of correct news writing, copyediting, interpretive & editorial writing, & reporting on a deadline. Class members also contribute to the student newspaper and/or other student news media.

COM 1630 Journalism III-Layout & Design 3
Prerequisite: COM 1610. Students study advanced news writing and overall layout and design of a newspaper and/or newscast, using contemporary tools for those tasks. Class members may also contribute to the student newspaper and/or other student media.

COM 1800 Digital Media Essentials 4
Intro to software & hardware used to create multimedia productions. Hands-on experience using hardware, software to create 2D/3D graphics, sound, animation, & video. Discussion of the multimedia market, copyright, & ethics in mass media.

COM 1900 Special Studies/Communication 1-3
Prerequisite: Department approval. Students plan areas of study and work with an instructor on individual basis.

COM 2000 Communication CO-OP/Internship 1-6
Prerequisite: Department approval. Supervised work experience in a business, industrial or government environment related to the student's COM program sequence. Credit awarded for successful completion of specified learning objectives that provide new learning.

COM 2110 Interpersonal Communication 3
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.

COM 2130 Principles of Interviewing 3
Interviewing methods with emphasis on interview design and questioning techniques in business, professional, and journalistic environments.

COM 2150 Intercultural Communication 3
Examination of how cultural similarities and differences impede or enhance communication across cultures. Issues of diversity, values, norms among different cultures, and intercultural application of communication theories.

COM 2170 Organizational Communication 3
Introduction to the various perspectives on organizational communication, as manifested in the theories, principles, and practices which predominate in modern organizations. Internet only.

COM 2200 Persuasion Practices 3
Study and practice of principles of persuasion in public speaking and other forms of communication.

COM 2310 Intermediate Video Production 3
Prerequisite: Concurrent with COM 2311. Provides production experience for students with some background in television or video production. Students work on group production projects; may also participate in a weekly news program for student news media.

COM 2311 Intermediate Video Production Lab 1
Prerequisite: Concurrent with COM 2310. The lab portion of the intermediate video production class. The lab provides real experience with video and audio equipment in the student radio & television studio facilitities.

COM 2440 Dreamweaver Developer 4
Students learn the knowledge and practice needed to build & manage professional web sites using Dreamweaver & Fireworks. Students create interactive web sites, graphics, animation & advanced styling using advanced HTML, CSS and JavaScript.

COM 2500 Elements/Issues-Digital Media (ID) 4
An introduction to digitally integrated media, including an understanding of the history, trends, devices, services, practices and societal issues associated with the rise & use of modern telecommunication technologies.

COM 2510 Advanced Video Production 3
Prerequisite: COM 2310; Concurrent with COM 2511. This class provides advanced video production experience for students who already have significant video production experience. The class produces a weekly news program for student news media and engages in other student-produced group video projects.

COM 2511 Advanced Video Production Lab 1
Prerequisite: COM 2311; Concurrent with COM 2510. This is the lab portion of the advanced video production class. The lab provides real experience with video and audio equipment that is part of the student radio and television studio facilities.

COM 2520 Telecom Web Production 2
Prerequisite: Concurrent with COM 2521. Provides basic performance and production skills for the web and other new media, applying visual communication principles to these environments using individual and group assignments.

COM 2521 Telecom Production Lab 1
Prerequisite: Concurrent with COM 2520. Provides the hands-on component to the study of web and new media production, using the telecommunication production lab facility. Students participate in maintaining the slccglobelink.com web site for the Student Media Center.

COM 2530 Radio Performance 1
Prerequisite: Concurrent with COM 2531. This advanced radio performance class provides advanced experience for students who already have some radio production experience. Students are regular participants in the daily broadcasts of the student radio station.

COM 2531 Radio Performance Lab 2
Prerequisite: Concurrent with COM 2530. This is the lab portion of the radio performance class. The lab provides real experience on-the-air at the student radio station and in the audio lab.

COM 2550 Introduction Public Relations 3
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.

COM 2560 Introduction to Visual Communication 4
Visual communication as manifested in photography, television, motion pictures, the Internet, and other visual media. Basic principles of composition, pictorial continuity, and editing that are included in visual media.

COM 2590 Media Management and Sales 3
This course introduces managerial and sales principles affecting telecommunications facility operations: fiscal management, regulations, ratings, program decision-making and maximizing human resources in a modern broadcast/telecommunications environment.

COM 2900 Second Year Production Project 3
Students design & produce a significant capstone video or audio production project, incorporating elements related to their specific interests/specialties & demonstrating a mastery of related competencies & skills. Exam and presentation.

COM 2920 Current Topics-Communication 1-2
Prerequisite: 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.

CPA 1110 Carpentry - Computer Skills/Fi 5
Prerequisite: Instructor approval and math competency. Applied instruction in carpentry techniques. Tool use and safety, maintenance, sharpening, load rigging & hand signals First Aid, CPR and OSHA 10-hour safety class. Basic mathematics, fractions, decimals, and conversions.

CPA 1120 Carpentry - Concrete Forming 5
Prerequisite: 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
Prerequisite: CPA 1110, CPA 1210. Applied instruction in wood framing, residential and commercial. Building layout, floor & wall framing, trusses, overhangs, canopies and stair design.

CPA 1220 Carpentry - Finish, Interior 5
Prerequisites: CPA 1110, 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 5
This is a customized carpentry course in applied mathematics for the trades including algebraic and trigonometric functions.

CPA 2000 Carpentry CO-OP 3-6
Prerequisite: 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
Prerequisite: CPA 1110. Hands-on application & 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
Prerequisite: CPA 1110. This course offers applied instruction in basic welding principles and safety including acetylene burning, cutting & welding. Instruction also includes shielded metal arc-flat, vertical, overhead positions and light gage metal welding.

CPA 2410 Carpentry - Blueprint Reading 5
Prerequisites: CPA 1110, CPA 1210, CPA 2310. Basics in drafting & 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
Prerequisite: CPA1110, 1120, 1210, 1220, 2310, 2320, and 2410. Advanced application of transits and leveling instruments. Scheduling and estimating costs, MSDS sheets, concrete testing, leadership skills and computer usage.

CPI 1110 Carpenter IA 5
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
Prerequisite: CPI 1110. This course teaches basic concrete principles including: math, tools, basic mixes, basic layout, forming, and finishing.

CPI 1210 Carpenter 2A 5
Prerequisite: CPI 1120. This course teaches basic framing principles including: math, tools, layout from blueprints, floors, walls, roofs, insulation and ventilation.

CPI 1220 Carpenter 2B 5
Prerequisite: CPI 1210. This course teaches basic finish carpentry including: exterior finishes, roofing, window & door openings, stairs, basic cabinetry and counter tops.

CPI 1470 Math for the Trades 5
This is a customized course in applied mathematics for the including algebraic and trigonometric functions.

CPI 2000 Carpenter CO-OP 2-4
College credit for experience on the job site. Arranged in advance. Requirements are determined by the employer.

CPI 2310 Carpenter IIIA 5
Prerequisite: CPI 1220. Advanced concrete principles including: commercial blueprints, rigging and lifting, raft and metal slabs, shoring & scaffolding, stairs, chemistry and concrete testing, additives, and advanced estimating.

CPI 2320 Carpenter IIIB 5
Prerequisite: 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
Prerequisite: 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 Carpenter IVB 5
Prerequisite: 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.

CS 1050 Engineering Computing 3
Prerequisite: MATH 1050, concurrent w/MATH 1060. A first course in engineering problem solving, this course introduces Matlab and C++. Problems are drawn from disciplines in science and engineering. No previous experience with computer programming is assumed.

CS 1100 Computer Operations 2
Prerequisite: CIS 1020. This course provides practical, hands-on experience with microcomputers. Topics include operating systems, problem solving, hardware and software setup, upgrades, peripherals, disk management, and trouble shooting.

CS 1300 Visual Basic .NET Programming 2
Prerequisite: CIS 1020. An introduction to computer programming using Visual Basic. Topics include object-oriented programming for mathematics and scientific applications. Hands-on programming and GUI design with Visual Basic will be included.

CS 1400 Computer Science Fundamentals 3
Prerequisite: CIS 1020 or equivalent. Introducing essential fundamental programming concepts in high-level languages, e.g., basic data types, decisions, arrays & functions. Problem-solving skills developed through designing, implementing, and executing computer programs.

CS 1500 Delphi Programming 3
Prerequisite: CIS 1020, MATH 1050. An introduction to computer programming using Delphi which is a Window's based, object oriented, rapid application development language. Introduces modern programming techniques for the beginner. Lab included.

CS 1510 Advanced Delphi Programming 3
Prerequisite: CS 1500. Introduces advanced topics in Delphi Programming such as component creation, context sensitive help, exception handling, database operations, command enabling and interfacing to other languages. Lab included.

CS 1600 Structured Prog. Using C & C++ 4
Prerequisite: MATH 1060 or concurrent. Introductory programming course designed to develop a solid foundation in structured programming by developing computer programs to solve scientific and engineering problems, with a brief introduction to object oriented programming. problems.

CS 1700 FORTRAN Programming 3
Prerequisite: CIS 1020, MATH 1050. An introduction to programming using the FORTRAN programming language. Structured programming, top-down composite structures, array processing, complex variables and data bases for scientific problem solving are taught.

CS 1810 Intro to Computer Science I 4
Prerequisite: CS 1400 or CS 1050. An introduction to Computer Science I. Topics include data types, control structures, functions, arrays, and I/O streams. Object-oriented concepts will be covered. Students apply the concepts in extensive exercises.

CS 1820 Intro to Computer Science II 4
Prerequisite: CS 1810. A continuation of CS I focusing on dynamic data structures, e.g., stacks, queues, linked lists, trees, hash tables and graphs, and the design and analysis of efficient algorithms. Students apply the concepts in extensive exercises.

CS 2000 Co-op Education 1-2
Prerequisite: Sophomore w/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 2130 UNIX Internals 3
Prerequisite: CS 1810 or concurrent. This course covers extended UNIX concepts and commands. Topics include UNIX shells, shell programming, utilities, networking, system programming and system administration. Hands-on lab work is required.

CS 2210 MCSA/MCSE Module 1 4
Prerequisite: Computer Literacy. Prepares students for Microsoft exams 70-270, Windows XP Professional and 70-290, Installing, Configuring, and Administering Microsoft Windows 2003 Server Environment. This satisfies two of the core MCSA/MCSE requirements.

CS 2220 MCSA/MCSE Module 2 4
Prerequisite: CS 2210. Prepares students for Microsoft exams 70-291, Implementing, Managing, and Maintaining a Microsoft Windows Server 2003 Network Infrastructure and 70-227, Installing, Configuring, and Administering Microsoft Internet Security & Acceleration (ISA) Server 2000 Enterprise Edition.

CS 2230 MCSA/MCSE Module 3 4
Prerequisite: CS 2220. Prepares students for Microsoft exams 70-293, Planning & Maintaining MS Windows Server 2003 Network Infrastruc and 70-294, Planning, Implementing & Maintaining MS Windows Server 2003 Active Directory Infrastructure.

CS 2310 Discrete Structures 3
Prerequisite: CS 1820. 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 2320 Computer Maintenance (A+) Cert 4
Prerequisite: CIS 1010 or equivalent. Troubleshooting, maintenance, and upgrade of PC's. Covers setup, memory management, data back-up, and hardware/ prepare students for the CompTIA A+ examination.

CS 2400 Data Communication/Networking 5
Prerequisites: CS 1100, MATH 1220. An introduction to data communication for CS networking majors. Topics include installing a network, setting up user accounts, managing application software on the network, communication software and common protocols.

CS 2410 Advanced Networking 5
Prerequisite: CS 2400. A second course for CS networking major students. Topics include network security, internet, WAN, network performance and advanced configuration. Novell, Windows, and UNIX systems will be emphasized.

CS 2461 Network Routing & Switching I 4
Prerequisite: CS 1155 or instructor approval. The first two modules of the Cisco Network Academy training are covered to prepare students for the Cisco CCNA exam. Covers networking essentials, routers, routing protocols and fabrication of cables to create simple LAN environments.

CS 2462 Network Routing & Switching II 4
Prerequisite: CS 2140 or instructor approval. The second two modules of the Cisco Network Academy training in preparation for the Cisco CCNA and CompTIA Net+ exams. Covers network switches/configuration, routers/configuration routing protocols & troubleshooting fundamentals.

CS 2560 Object Oriented Prog/Multimedia 2
Prerequisite: ART 2410. 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 2610 Fund. of Digital System Design 4
Prerequisite: CS 1050, MATH 1050. An introduction to digital systems, Boolean Algebra, and theory and design of Combinatorial and Sequential circuits. Computer based software tools for schematic capture and gate array implementations are used. Lab included.

CS 2620 Computer Architecture 4
Prerequisite: CS 1820. An in depth study of computer architecture and design including structure, organization, operation, arithemtics, memory systems, communications, and performance. Take CS 2630 as optional lab.

CS 2630 Computer Design Lab 2
Prerequisite: CS2610, concurrent with CS2620. A design lab providing hands-on experience in designing and testing small computer and logic based electronic systems using state of the art software and Field Programmable Gate Arrays.

CS 2750 Software Engineering 3
Prerequisite: CS 1820. An introduction to basic concepts of software engineering. Topics include analysis, specification, design, implementation, testing operation and tools.

CS 2900 Current Topics in CS 0-4
Prerequisite: Instructor approval. This class covers current topics designed to meet student needs and industry demands.

CST 1010 Customer Service Technology 2
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 & external customer service concepts.

CST 2000 Customer Service CO-OP Ed 1-3
Prerequisite: 12 credit hours or extensive recent CST experience. Students use in-class and on-the-job training for college credit and a regular salary. Co-op is a successful learning strategy that provides relevant training in specific business occupations.

DE 0900 Computer Awareness 2
Introduction to operation of microcomputers. How to turn on the computer system; load, unload, care for diskettes; how to run common computer programs.

DE 0910 Language Arts for the Deaf 6
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 1070 Beginning Keyboarding 3
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
Prerequisite: 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
Prerequisite: 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 Introduction to Dental Hygiene 3
Prerequisite: 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 & operatory management.

DH 1110 Intro to Clinic Procedures Lab 2
Prerequisite: 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
Prerequisites: Admission into program, concurrent w/DH 1150. 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
Prerequisites: Admission into program, concurrent w/DH 1140. 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
Prerequisite: Admission to program. This course covers the study of head, neck and oral anatomy, with emphasis on terminology. Lab is included.

DH 1340 Dental Anatomy 1
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 1
Prerequisite: Admission to 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
Prerequisite: DH 1100. Continuance of D.H. Theory I, offering instruction to support D.H. clinical experiences. Emphasis on treatment planning, nutritional counseling, chemotherapeutis and selective tooth polishing.

DH 1410 Clinical Dental Hygiene 3
Prerequisite: DH 1110. Delivery of preventive and therapeutic services initiated. Theoretical information is applied and evaluated through performance for treatment planning, nutritional counseling, chemotherapeutics and selective tooth polishing.

DH 1540 Pharmacology 3
Prerequisite: 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 1620 Preventive Dentistry 2
Prerequisite: DH 1100. Provides basic knowledge and skills regarding treatment and prevention of dental disease. Microbiology, therapeutic preventive measures, client education and motivation techniques are introduced.

DH 2050 General and Oral Pathology 3
Prerequisites: DH 1400, DH 1620. 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 2
Prerequisite: DH 1400. Continuation of Dental Hygiene II, adding case documentation ultrasonic/sonic instrumentation, periodontal case management, margination, debonding techniques and clinical seminars. Course may be taught with a service-learning component.

DH 2210 Clinical Dental Hygiene III 4
Prerequisite: 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 anesthes., nitros oxide, ultrasonic/sonic & case management.

DH 2220 Community Dental Health 3
Prerequisite: DH 1620. 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
Prerequisite: DH 1540, with 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
Prerequisite: DH 1540, with 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. Concurrent with DH 2340.

DH 2450 Periodontology I 2
Prerequisites: DH 1410, DH 1620. 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 2
Prerequisite: DH 2200. Issues of professionalism including ethics/legal duties and rules regulating practice, career directives, resumes and interview techniques are taught. Course prepares students for transition into working world.

DH 2610 Clinical Dental Hygiene IV 5
Prerequisite: DH 2210. Clinical expertise is refined, time management and client care are emphasized, preparing students for clinical licensing board examinations.

DH 2640 Compromised Patient/Spcl Need 1
Prerequisite: DH 2200. Course offers in-depth study of problems or unusual health factors that may complicate routine dental hygiene care. Includes special procedures to maintain optimum health.

DH 2850 Periodontology II 2
Prerequisite: 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.

DH 2990 Optional Board Review 1-2
Review of all theoretical courses as preparation for national written examinations. A mock written examination is offered to assist students study.

DIAL 1010 Dialysis Technician 3
Course will train students in the renal medical specialty area. Class will explore normal and altered kidney functions, therapy concepts, and technical aspects of dialysis therapy.

DNC 1050 The Art of Dance (FA) 3
An introductory course exploring the art of dance and movement expression from a variety of viewpoints: historically, culturally, aesthetically and creatively. Includes discussion, demonstration, and studio experiences.

DNC 1090 Bridging the Arts (FA) 3
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.

DNC 1100 Introduction to Ballet I 2
This is an introduction to basic ballet movement, techniques, theory and terminology.

DNC 1110 Ballet II 2
Prerequisite: DNC 1100 or instructor approval. This is the second semester study of ballet technique, theory and terminology.

DNC 1200 Introduction to Modern Dance I 2
This is an introduction to modern dance movement, technique and theory with an emphasis on locomotor skills and movement expression. It introduces basic elements of dance, time, space and energy.

DNC 1210 Modern Dance II 2
Prerequisite: DNC 1200 or instructor approval. This is the second semester study of modern dance movement, technique and theory.

DNC 1300 Introduction to Jazz Dance I 2
This is an introduction to jazz movement and technique, including rhythm, style and terminology.

DNC 1310 Jazz Dance II 2
Prerequisite: DNC 1300 or instructor approval. This is the second semester study of jazz movement, technique and terminology.

DNC 1400 Introduction to Tap Dance I 2
An introduction to the fundamental technical skills and terminology of tap dance, emphasizing rhythm, coordination and precision of sound.

DNC 1410 Tap Dance II 2
Prerequisite: DNC 1400 or instructor approval. This is the second semester study of the technical skills, rhythms and terminology of tap dance.

DNC 1500 SLCC Dance Company 1
Prerequisite: Audition only. A small audition company for trained dancers striving for excellence and professionalism in the art of dance. Offers opportunity to choreograph and work with guest and faculty choreographers for College and community performances.

DNC 1700 Modern Improv/Choreograhpy I 1
Prerequisite: DNC 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.

DNC 1900 Special Projects 1-2
Prerequisite: Department approval. Students plan their areas of study, choreography or performance with the instructor on an individual basis.

DNC 2100 Ballet III 2
Prerequisite: DNC 1110 or instructor approval. This is a third semester study of ballet technique, theory and terminology.

DNC 2110 Ballet IV 2
Prerequisite: DNC 2100 or instructor approval. This is a fourth semester study of ballet technique, theory and terminology.

DNC 2200 Modern Dance III 2
Prerequisite: DNC 1210 or instructor approval. This is the third semester study of modern dance technique and theory.

DNC 2210 Modern Dance IV 2
Prerequisite: DNC 2200 or instructor approval. This is the fourth semester study of modern dance technique and theory.

DNC 2300 Jazz Dance III 2
Prerequisite: DNC 1310 or instructor approval. This is the third semester of study of jazz movement, technique and terminology.

DNC 2310 Jazz Dance IV 2
Prerequisite: DNC 2300 or instructor approval. This is the fourth semester study of jazz movement, technique and terminology.

DNC 2400 Tap Dance III 2
Prerequisite: DNC 1410 or instructor approval. This is the third semester study of the technical skills, rhythms and terminology of tap dance.

DNC 2700 Dance Improv/Choreography II 1
Prerequisite: DNC 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.

DNC 2900 Special Topics 1-3
Prerequisite: Department approval. Students will learn specific areas of study in current trends within the dance field.

DNC 2990 Performing Arts Connection 2
Prerequisite: 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.

DRED 0090 Driver Education / Home Study 0
18 hrs of class, 12 hrs of driving with Bilingual Driving School (6 hrs driving, 6 hrs observation). Must pass 3 tests with 80% or more. English or Spanish. Call 1-866-892-0486 toll free number.

DST 1020 Lt. Duty Diesel Vehicle Maint. 3
Geared toward diesel vehicle owners, students learn maintenance and care through class discussions and hands-on practice. Subjects include checking fluid levels, changing oil, cold weather care, and preventive maintenance routines.

DST 1030 Safety/Diesel Engines Theory 1
Prerequisite: Concurrent with DST 1040. Instruction in the theory of work place safety, operation, parts nomenclature of both 2- and 4-cycle engines, use of measuring devices and fastener types. Combustion systems and engine sub-assemblies will be covered.

DST 1040 Safety/Basic Diesel Theory 1
Prerequisite: Concurrent with DST 1050. Instruction in the theory of work place safety, operation, parts nomenclature of both 2- and 4-cycle engines, use of measuring devices and fastener types. Combustion systems and engine sub-assemblies will be covered.

DST 1050 Safety/Basic Diesel Lab 2
Prerequisite: Concurrent with DST 1040. Practical experience in disassembly, inspection and reassembly of both two- and four-cycle engines; sub-assemblies for different engine systems; running and tuning-up engines from different manufacturers.

DST 1060 Safety/Basic Engine Performance Theory 1
Prerequisite: Concurrent with DST 1070. Instruction in safety, trouble-shooting, and repair maintenance. It includes parts nomenclature of both 2-cycle and 4-cycle engines, hydro mechanical fuel-injection system operation, and maintenance of these systems.

DST 1070 Safety/Basic Engine Performance Lab 2
Prerequisite: Concurrent with DST 1060. Practical experience in disassembly, inspection, reassembly of both two- and four-cycle diesel engines. Subassembly's for different engine systems will also be covered, as well as troubleshooting engine performance problems.

DST 1140 Preventive Maintenance Brake Theory 1
Prerequisite: Concurrent with DST 1150. Lecture in preventive maintenance and servicing of heavy-duty trucks and equipment. Includes general preventive maintenance inspections A, B, C, & D, truck systems servicing, and shop safety procedures.

DST 1150 Preventive Maintenance Brake Lab 2
Prerequisite: Concurrent with DST 1140. Hands-on experience in preventive maintenance and servicing of heavy-duty trucks and equipment. Includes general preventive maintenance inspections A, B, C, & D; truck systems servicing; and shop safety procedures.

DST 1160 Preventive Maintenance Elctrcl Theory 1
Prerequisite: Concurrent with DST 1170. Lecture in preventive maintenance and servicing of heavy-duty trucks and equipment. Includes batteries and electrical systems, drive line, U-joints, chassis and suspension systems and shop safety procedures.

DST 1170 Preventive Maintenance Electrical Lab 2
Prerequisite: Concurrent with DST 1160. Hands-on practice in preventive maintenance and servicing of heavy-duty trucks and equipment. Includes batteries and electrical systems, drive line, U-joints, chassis and suspension systems and shop safety procedures.

DST 1240 Drivetrains/Fluid Drives Theory 1
Prerequisite: Concurrent with DST 1250. Classroom instruction in torque converter, automatic transmission, final drives, theory and operation; track type undercarriage. Preventive maintenance and troubleshooting will be covered.

DST 1250 Drivetrains/Fluid Drives Lab 2
Prerequisite: Concurrent with DST 1240. Classroom instruction in torque converter, automatic transmissions, and final drives, theory and operation. Track type undercarriage will also be covered.

DST 1260 Drivetrains/Gear Drives Theory 1
Prerequisite: Concurrent with DST 1270. Classroom instruction in clutch, twin countershaft manual transmissions, differentials, theory and operation; includes preventive maintenance and troubleshooting.

DST 1270 Drivetrains/Gear Drives Lab 2
Prerequisite: Concurrent with DST 1260. Classroom instruction in clutch, twin countershaft manual transmissions, differential, theory and operation. Track type undercarriage will also be covered.

DST 2040 Adv Engine & Electronic Theory 1
Prerequisite: DST 1040, 1050, 1060 1070, concurrent with DST 2050. Classroom instruction in basic diesel engine fuel systems theory, operation, trouble-shooting, repair & maintenance. Electronic fuel injection theory and operation will be covered.

DST 2050 Adv. Engine & Electronic Lab 2
Prerequisite: DST 1040, 1050, 1060, 1070, with DST 2040. Practical experience in basic diesel engine fuel systems operation, trouble-shooting, repair and maintenance of systems used on both 2-cycle and 4-cycle diesel engines. Electronic fuel injection theory and operation and trouble-shooting will be covered.

DST 2060 Adv. Engine Performance Theory 1
Prerequisite: DST 1040, 1050, 1060, 1070, 2040, 2050, w/ DST 2070. Includes classroom instruction in electronic fuel injection theory and operation. engine performance and exhaust emission, Data links and other electronic commutation will be covered.

DST 2070 Adv. Engine Performance Lab 2
Prerequisite: DST 1040, 1050, 1060, 1070, 2040, 2050, w/ DST 2060. Includes classroom instruction in basic diesel engine fuel systems operation, troubleshooting, repair and maintenance of used systems in both 2- and 4-cycle diesel engines. Electronic fuel injection operation will be covered.

DST 2140 HD Hydraulics Controls Theory 1
Prerequisite: Concurrent with DST 2150. Lecture in the fundamentals and principles of fluid power and the transmission of force and energy, pumps, actuators, valves, accumulators, cylinders and motors as applied to mobile hydraulic systems, and shop safety procedures.

DST 2150 HD Hydraulic Controls Lab 2
Prerequisite: Concurrent with DST 2140. Hands-on practice in the fundamentals and principles of fluid power and the transmission of force and energy, pumps, actuators, valves, accumulators, cylinders and motors as applied to mobile hydraulic systems, and shop safety procedures.

DST 2160 HD Hydraulic Functions Theory 1
Prerequisite: Concurrent with DST 2170. Lecture in the advanced principles of fluid power; transmission of force & energy; formulas; interactive CD training; electronic controls, pumps, valves, accumulators actuators, in mobile hydraulics; AC and shop safety.

DST 2170 HD Hydraulic Functions Lab 2
Prerequisite: Concurrent with DST 2160. Hands-on practice in the advanced principles of fluid power; transmission of force & energy; formulas, schematics, interactive CD training; electronic controls, pumps, valves, accumulators, actuators, in mobile hydraulics & air conditioning; shop safety.

DST 2240 HD Electrical Circuits Theory 1
Prerequisite: Concurrent with DST 2250. Lecture in basic electrical fundamentals, magnetism, cranking & charging circuits, maintenance, testing, troubleshooting, & repair of all electrical applications. applications.

DST 2250 HD Electrical Circuits Lab 2
Prerequisite: Concurrent with DST 2240. Hands-on practice in basic electrical fundamentals, magnetism, cranking & charging circuits, maintenance, testing, troubleshooting, & repair of all electrical applications.

DST 2260 HD Electrical Lighting Theory 1
Prerequisite: Concurrent with DST 2270. Lecture in basic electrical fundamentals, magnetism, ignition circuits, lighting and accessories, electronic components, computer diagnostics, maintenance, testing, troubleshooting, & repair of all electrical applications.

DST 2270 HD Electrical Lighting Lab 2
Prerequisite: Concurrent with DST 2260. Hands-on practice in basic electrical fundamentals, magnetism, ignition circuits, lighting and accessories, electrical components, computer diagnostics, maintenance, testing,troubleshooting, & repair of all electrical applications.

DSTA 1100 Safety and Basic Engines 2
Prerequisite: Concurrent with 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
Prerequisite: Concurrent with DSTA 1100. Practical experience in safety, theory, operation, trouble-shooting and repair maintenance and parts nomenclature of both the 2-cycle and 4-cycle diesel engines.

DSTA 1120 Heavy-Duty Preventive Maintenance 2
Prerequisite: DSTA 1100, DSTA 1111, concurrent with DSTA 1121. Classroom instruction in preventive maintenance and servicing of heavy duty trucks and equipment. Including general PM inspections A, B, C, & D, truck systems servicing and shop safety procedures.

DSTA 1121 Heavy-Duty Preventive Maintenance Lab 4
Prerequisite: DSTA 1100, DSTA 1111, concurrent with 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
Prerequisite: DSTA 1120, DSTA 1121, concurrent with 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
Prerequisite: DSTA 1120, DSTA 1121, concurrent with DSTA 1130. Practical experience in clutch operation & adjustment, manual transmission repair, differential diagnosis & repair, torque converter overhaul, automatic transmission diagnosis, overhaul, testing, undercarriage maintenance & adjustments.

DSTA 1200 Advanced Engines & Electronics 2
Prerequisite: DSTA 1130, DSTA 1131, concurrent with 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 Adv. Engine & Electronics Lab 2
Prerequisite: DSTA 1130, DSTA 1131, concurrent with DSTA 1200. Stresses lab application in the tune-up, trouble-shooting maintenance of 2-cycle & 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
Prerequisite: DSTA 1200, DSTA 1211, concurrent with 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
Prerequisite: DSTA 1200, DSTA 1211, concurrent with 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
Prerequisite: DSTA 1220, DSTA 1221, concurrent with DSTA 1231. Classroom instruction in basic electronics, magnetism, electronic controls, operation, maintenance, testing, troubleshooting & repair of all electrical units. Basic operation, maintenance & repair of air conditioning units.

DSTA 1231 Heavy-Duty Electrical Lab 4
Prerequisite: DSTA 1220, DSTA 1221, concurrent with DSTA 1230. Practical experience in operation, maintenance, testing troubleshooting, & repair of electronic & electrical units in the heavy duty field. Basic operation, maintenance, & repair of air conditioning units.

DSTA 2000 Heavy Duty Repair CO-OP 2-4
College credit for experience on the job site. Arranged in advance. Requirements are determined by the employer.

EBT 1210 Creativity and Problem Solving 2
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 1460 Principles of Telecommunication 2
This course provides an overview of telecommunications. This course covers technologies, industry structure, segment profiles and vendor types. Competition for local calling, high-capacity, Internet access, wireless, PCS are discussed.

EBT 1800 Digital Media Essentials 4
Introduction to software & hardware used to create multimedia productions. Hands-on experience using hardware, software to create 2D/3D graphics, sound, animation, & video. Discussion of the multimedia market, copyright, & ethics in mass media.

EBT 2120 eDesign and Publishing 3
This course teaches electronic publishing using MS Publisher and Adobe Acrobat. Electronic documents contain links, web addresses, movies, and sounds to create marketing pieces, product catalogs, e-brochures, and e-forms.

EBT 2240 JavaScript 3
Prerequisite: Basic PC skills; Windows 95/98. Students learn to design client-side, platform-independent JavaScript solutions by scripting for the JavaScript object model, controlling program flow, validating forms, animating images, targeting frames, and creating cookies.

EBT 2360 Master the Web 3
Prerequisite: Basic PC skills; Windows 95/98. This course provides skills and knowledge in Internet fundamentals, HTML fundamentals, and networking essentials for webmasters. Preparation for the CIW Associate exam.

EBT 2380 Web Usability 3
Prerequisite: Basic Internet Skills. Students learn user-centered design principles to create successful web sites. Site architecture, audience analysis, project management, navigation, and content chunking are performed as well as usability testing & site optimization.

EBT 2410 Flash Essentials 2
Prerequisite: Basic PC skills; Windows 95/98 Students explore Flash by using shapes, creating motion tweens, writing ActionScripts. Students master preload sequences, 3D animations, animated effects, and user interaction techniques for Web and business use.

EBT 2430 Advanced Site Design 3
Prerequisite: EBT 2360. This course focuses on web design theory and construction, information architecture, project management. Students learn Web design tools, discuss technology standards, and explore browser issues. Preparation for the CIW Site Designer exam.

EBT 2440 Dreamweaver Developer 4
Students learn the knowledge and practice needed to build & manage professional web sites using Dreamweaver & Fireworks. Students create interactive web sites, graphics, animation, & advanced styling using advanced HTML, CSS and JavaScript.

EBT 2460 Perl and CGI Scripting 3
Students learn Perl basics by using regular expressions, data types, business forms that interact with text files, manipulating data in a relational database via ODBC, & exploring server security issues related to CGI scripts.

EBT 2470 e-Commerce Design 4
Prerequisite: EBT 2430. This course uses eCommerce concepts in marketing, promotion, customer service, user interaction, purchasing/payments, secure transactions, gateways, inventory, shipping, and site evaluation. Preparation for CIW eCommerce Designer exam.

EBT 2480 Dynamic HTML and CSS 3
Students will learn to define the appearance and control the loading of HTML pages using CSS. DHTML will provide a means for popup menus, animated text and graphics, and loading web content from external data sources to create HTML pages.

EBT 2500 Extensible Markup Language-XML 3
Students learn the importance of XML and well-formed syntax. Students learn core XML language (DTDs, XSL, & XSLT), serializing object models, creating stateless objects, utilizing the RDF, and using related technologies with XML.

EBT 2510 Server Administration 3
Prerequisite: EBT 2360. Students learn to manage, configure and deploy corporate e-business solutions infrastructure using Web, FTP, News, and email servers for mid-size to large businesses. Preparation for CIW Server Administration exam.

EBT 2620 e-Learning Design-Development 4
Prerequisite: EBT 2150. Students learn how to design professional multimedia for specific audiences and purposes. Students will design and produce a complete instructional module for delivery on CDs, networks, or the Web. Web conferencing will also be used.

EBT 2630 eMarketing 3
Explore various models for Internet-centric businesses; develop an Internet marketing campaign including results mapping, promo, permissioning, privacy, Internet laws, site/email design, and email marketing.

EBT 2710 Flash Interactivitiy 3
Students learn core programming concepts used with movie clips-variables, datatypes, operators, statements,functions, events, arrays, & objects. Students create & implement real-world web applications. XML Socket will be introduced.

EBT 2810 Flash Applications 3
Prerequisite: EBT 2710. Students develop real-world, sophisticated applications using Flash. Projects range from multi-player games, online forum communities, user registrations, and site search. This course is definitely not a beginner course.

EBT 2820 The World of Wireless 3
Students learn next-generation wireless applications & mobile Internet revolution. Students learn design for cell phones, PDAs & handheld computers. Students explore 3G wireless media, M-commerce, & mobile operating systems.

EBT 2860 Server Side Communication-PHP 3
Prerequisite: EBT 2240. Learn to build dynamic websites powered by PHP. Obtain hands-on coding experience for decision making, setting cookies, error handling, database connectivity and creating email.

EBT 2915 Special Topics in Teacher Tech 1
Prerequisite: 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 Soc. Science (SS) 3
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 Am. Labor 3
Prerequisite: HIST 1700 or ECON 1740. 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 1740 Economic History of U.S. (AI) 3
Studies historical foundation of American economic growth and development from the colonial period to the present. Institutional and structural changes and processes of growth in the American economy are explored.

ECON 2010 Principles of Microeconomics 3
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 Principles of Macroeconomics 3
Prerequisite: None (ECON 1010 recommended). 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
Prerequisite: ECON 2010 and ECON 2020. 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
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
This course is a survey of the economic behavior, analysis techniques, and public policy issue pertaining to environmental and natural resources.

ECON 2400 International Econ/Finance 3
Prerequisite: ECON 2010 or ECON 2020. 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
Prerequisite: Instructor approval. Under the supervision of the instructor, students develop and follow an individualized curriculum.

EDDT 1010 Technical Drafting I 4
Lab practice in board drafting techniques, use of drafting tools, lettering, sketching, geometric construction, orthographic projection, sections, dimensions, auxiliary views in both engineering and architectural disciplines.

EDDT 1040 Introduction to AutoCAD 3
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
Prerequisite: EDDT 1040 Advanced skills using AutoCAD. Includes: paper space/model space, scale factors, editing with Grips, Design Center, custom templates, symbol libraries, advanced construction, drawing, and dimensioning techniques, AutoCAD 3D modeling.

EDDT 1200 Technical Drafting II 4
Prerequisites: EDDT 1010, concurrent w/EDDT 1100. Utilizing CAD and ANSI drafting standards to create detail and assembly drawings. Topics include: intersections, flat-pattern developments, precision fits, allowance, tolerances, catalog part selection, fasteners, and design layouts.

EDDT 1420 Basic MicroStation 2
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 2180 Electronics Drafting 3
Prerequisites: EDDT 1100, EDDT 1200. 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.

EDDT 2190 Civil Drafting 2
Prerequisite: EDDT 1040, 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 Land Development Desktop.

EDDT 2240 Steel Detailing 3
Prerequisites: MATH 1010, EDDT 1040. 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 2260 Machine Design 2
Prerequisite: MATH 1010, EDDT 1040. Review of basic algebra, trigonometry, and geometry used in the calculation of statics, stresses, and safety factors to design simple mechanical and power transmission systems such as gear trains, pulley drives, cams & hoists.

EDDT 2340 Manufacturing Processes 3
Prerequisite: EDDT 1040 or concurrent; with EDDT 2350. A broad analysis of materials and processes used in manufacturing as related to design. Topics include casting, forming, machining, non-metals, welding, finishing and assembly, and computer aided manufacturing.

EDDT 2350 Manufacturing Processes Lab 1
Prerequisite: Concurrent with 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, welding, injection molding, heat treatment, equipment selection, design criteria, shop and safety procedures.

EDDT 2360 Pipe Drafting 2
Prerequisite: EDDT 1040. 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 2400 AutoCAD Customization 3
Prerequisite: EDDT 1100. Techniques for customizing AutoCAD for specific user needs. Topics include: development of symbols libraries, attributes and attribute extraction, writing macros, custom linetypes, customized menus and toolbars, and AutoLISP programming.

EDDT 2420 Advanced MicroStation 2
Prerequisite: EDDT 1420. Advanced techniques with MicroStation software as it is used in civil design disciplines. Topics include 3D surface modeling, rendering, customization, drawing management and transfer into other software packages.

EDDT 2540 Geometric Dimension &Tolerance 2
Prerequisite: EDDT 1100. Study of the application of geometric dimensioning and tolerancing symbols per the latest ASME Y14.5M standard for use in dimensioning machined parts for precision and interchangeability.

EDDT 2600 3D CAD Modeling 4
Prerequisite: EDDT 1100. 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 CAD Software 2
Prerequisite: EDDT 2600 or equivalent experience. Advanced techniques in solid modeling and analysis using SolidWorks and PhotoWorks for solving complex design problems. CosmosWorks for design and stress analysis will also be taught.

EDDT 2710 AutoDesk 3D Modeling 2
Prerequisite: AutoCAD experience. Solid modeling with Mechanical Desktop or AutoCAD Inventor will be taught. Topics include: sketch planes, part construction, extraction of engineering data, assemblies and mating parts, parametric design and related drawings.

EDDT 2720 Solid Modeling w/ Pro-Engineer 2
Prerequisite: CAD experience recommended. Solid modeling with Pro-E will be taught. Topics include: sketch planes, part construction, extraction of engineering data, assemblies and mating parts, parametric design and related drawings.

EDDT 2990 Special Topics 1-5
Prerequisite: Instructor approval. This course is designed so the student can work on special individualized projects under the supervision of the instructor.

EDU 1400 Study of Disabilities (ID) 3
Improve your ability to relate to people with disabilities! Definitions & types of disabilities; legal, social, ethical issues related to diversity and inclusion; services through the life span at home, school, workplace and community.

EDU 1900 Special Topics in Education 1-3
Prerequisite: Instructor approval. Intense individual study of topics related to teaching or the field of Education. Students select readings, plan and implement individualized curriculum under instructor supervision. Instructor approval required.

EDU 1950 Introductory Field Experience 1-3
Prerequisite: Concurrent with EDU 2020. Observe/assist on-site in a classroom/educational setting where professionals work with students. Examines critical elements of an effective classroom. Provides experiences in what teaching is and what makes an effective teacher.

EDU 2000 CO-OP Education 1-2
Prerequisites: FHS 1500, EDU 2020. 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 2020 Orientation to Education 3
Prerequisite: Concurrent with EDU 1950. Teaching as a career: challenges and rewards; history; philosophies; social issues; legal issues; job availability; and governance. Preparation for acceptance into a teacher certification program. Field experience required.

EDU 2600 Introduction to Special Education 3
Historical overview of legal, ethical, and social issues related to a free appropriate education. Levels of inclusion. Developmentally Appropriate Practice (DAP) I.E.P. Community resources. Working w/parents & specialists.

EE 1010 Lab. Instruments and Methods 1
Laboratory instruction on the proper use of electronic measuring instruments, including function generators, volt meters and oscilloscopes. Loading and frequency effects are included.

EE 1020 Elect. Engr. Problem w/Matlab 1
EE. intro. 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. Engr. Students .5
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 1050 Elect. Engr. For Non-EE Majors 3
Prerequisite: PHY 2220, concurrent with MATH 2250. Fundamentals of electrical engineering topics for non-electrical engineering majors. Fundamentals of DC and AC theory, semiconductor devices, power, motors, transformers, transducers and actuators. Laboratory is included.

EE 1060 Elect. Engr. for Civil Engineer 1.5
Prerequisite: PHY 2210, concurrent with MATH 2250. Fundamentals of electrical engineering topics relevant to the practice of Civil Engineering.

EE 1100 Intro to Electrical Circuits I 4
Prerequisite: MATH 1210, Coreq. MATH 1220, PHY 2210 & EE 1020. Basic concepts of analog circuits including voltage, current power, resistance, capacitance an inductance. Ohm's and Kirchhoff's Laws, node voltages, branch and mesh currents, equivalent circuits. Laboratory included.

EE 2000 Cooperative Education 1-2
Prerequisite: Sophomore w/minimum 2.0 GPA, 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 2020 Pspice & Electronics Workbench 1
Prerequisite: EE 1100, Concurrent EE 2050 and EE 2100. Covers use of Spice for programming, Pspice & Electronics Workbench for graphical analysis. Applications include DC/AC Circuits Analysis, Operational Amplifiers, Frequency & Transient Responses, Filters, Transistors, & Nonlinear devices.

EE 2050 Fund of Electrical Circuits II 4
Prerequisite: EE 1010, EE 1100, PHY 2220. Fundamental electric circuit techniques include Kirchhoff's Laws, superposition, phasor transforms, power in sinusoidal steady state systems, frequency response, filters, Fourier Series and Laplace Transform. Laboratory included.

EE 2100 Fundament. of Eng. Electronics 4
Prerequisite: EE 1100, MATH 2250, PHY 2220. Fundamentals of electronic circuits and components, network models of amplifiers, diodes, BJT & MOS transistors, frequency response, feedback and stability. Introduction to computer circuit simulation. Laboratory included.

EE 2700 Fund. of Digital System Design 4
Prerequisite: CS 1600, PHY 2220. An introduction to digital systems, Boolean Algebra and theory and design of Combinatorial and Sequential circuits. Computer-based software tools for schematic capture and gate array implementations are used. Laboratory included.

EE 2900 Special Topics-Electrical Engr 1-3
Special Topics in Electrical Engineering.

ELEC 1010 Elect. & Modern Living (ID) 3
Students will explore the history and development of electrical technology, electrical theory, and how electricity is used and applied in our culture. Basic wiring labs and demonstrations are part of the course.

ELEC 1110 Applied Math I for Electricity 5
Prerequisite: MATH 0950 or equivalent. This course will give the student the applied math skills to solve DC/AC circuits. Skills in algebra & trigonometry will be developed. Problem solving skills as applied to electrical laws will be learned.

ELEC 1130 Residential Wiring 3
Prerequisite: Concurrent with ELEC 1140. Students will apply residential codes and practices in a laboratory setting. The course includes lab safety, wiring methods, EMT bending, troubleshooting and training for Skills USA VICA competitions.

ELEC 1140 Residential/Commercial Codes 3
Prerequisite: RDG 0900. Students will learn National Electrical Code organization, interpretation of tables and graphs therein; and how to find and interpret specific NEC requirements for homes and businesses.

ELEC 1150 DC/AC Basic Electricity 5
Prerequisite: Concurrent with ELEC 1110. This course is an introduction to electricity. Basic DC/AC laws will be learned. Resistors, capacitors & inductors will be studied. Multimeters & oscilloscopes will be used in the laboratory.

ELEC 1215 Motor/Transformer Theory & Lab 3
Prerequisite: ELEC 1110. Students will learn the principles and applied applications of motors and transformers. The operating characteristics of DC/AC motors, generators and transformers are part of this course.

ELEC 1235 Motor Control Theory & Lab 4
Prerequisite: ELEC 1150. Students will learn how to design, build and troubleshoot systems that control and monitor motors, control valves, alarms, pilot lights, starters, and relays.

ELEC 1250 Industrial/Hazardous Codes 2
Prerequisite: ELEC 1140. Students will learn the codes requirements for motor installations and motor load calculations. Unique wiring requirements for hazardous locations and an overall review of the NEC are part of this course.

ELEC 2990 Special Studies in Electricity 1-3
Prerequisite: Instructor approval. Special studies allow students to pursue unique interests. Credit hours and the curriculum are determined through consultations with an instructor and documented by the department. Three credits may be applied to graduation.

ELET 1010 DC/AC Electronics 6
Prerequisite: ELET 1040, concurrent with ELET 1050. Covers basic electronics theory, DC and AC fundamentals, circuit analysis and troubleshooting. Students learn the use of electronics test equipment such as meters, oscilloscopes, and function generators.

ELET 1020 IPC-A-610C Workers Prof. Cert 2
Designed and certified by IPC. Enables students to make correct accept/reject decisions for appropriate class(es) of electronic assemblies. Certification earned through examination.

ELET 1040 Technical Basic 2
Prerequisite: Concurrent with ELET 1010. This course covers MSDOS, Windows applications and an introduction to structured programming using QBASIC. The focus is on practical applications that electronics and other technology students might encounter in industry.

ELET 1050 Electronics Math 3
Prerequisite: CPT or MATH 1010. This course covers basic arithmetic, algebraic operations, and plane trigonometry required for an electronics training program. Graphical solutions, determinants, circular solutions, and systems of equations are covered.

ELET 1080 Electronic Assembly Skills 2
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. Students receive an industry recognized certification.

ELET 1100 Linear Circuits 4
Prerequisites: ELET 1010, ELET 1050. Covers active devices, such as diodes, transistors, thryristors, and opto-electric devices. Amplifier biasing and categories are covered, including linear and non-linear circuits. Troubleshooting concepts are emphasized.

ELET 1120 Circuit Simulation, Analysis/Design 2
Prerequisite: ELET 1100. Covers usage of electronic circuit design, analysis, & simulation tools. Emphasis on use of schematic capture for design & analysis of analog, digital & mix-mode circuits. Also modification of circuits, components, & analysis using virtual lab instruments.

ELET 1130 Digital Circuits 4
Prerequisites: ELET 1010, ELET 1050. Covers basic theory of digital circuits, binary, octal, and hexidecimal number systems, truth tables, gates, counters, and logic devices. A/D and D/A conversion is covered and lab projects emphasize troubleshooting.

ELET 1600 The Electronics Age (ID) 3
Covers how electronics has improved convenience, efficiency, productivity, reliability, health, and safety in almost every facet of modern life. Social changes in entertainment and communication fields are emphasized.

ELET 2000 CO-Op Education 2-4
Prerequisite: Instructor approval. Allows coursework to be integrated with subject area related on the job experience. Under certain conditions, ELET 2600, 2610, and 2750 can be satisfied through co-op registration with department approval.

ELET 2010 Advanced Circuit Analysis 3
Prerequisites: ELET 1010, ELET 1100. Covers advanced electronic network theory; including Thevenins, Nortons, Millmans, and superposition. Analysis of the effects of input and output impedances, and loading effects on circuit performance are taught.

ELET 2020 Tech Certification 2
Prerequisites: ELET 1100, ELET 1130. A review of electronics theory and applications to practical problems and solutions. Computerized tutorials prepare students for the industry recognized Certified Electronics Technician (CET) Associate level examination.

ELET 2080 Surface Mount Technology 2
Prerequisite: ELET 1080. Covers assembly and repair of surface mount PCB's. Students use wire and paste solder, soldering irons and hot air, and vacuum solder extraction devices. Work is done to industry specs. Students receive industry recognized certification.

ELET 2100 Advanced Linear Circuits 4
Prerequisites: ELET 1010, ELET 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.

ELET 2150 Communications Systems 4
Prerequisite: ELET 1100, ELET 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 class FCC exam.

ELET 2200 Advanced Measurements 4
Prerequisites: ELET 1100, ELET 1130 ELET 2040. Covers electrical measurements and calibrations. Includes statistical approaches to measurement and analysis of signal and noise values. In depth investigation of measurement techniques using O'scopes, meters, analyzers, etc.

ELET 2300 Microprocessors 4
Prerequisite: ELET 1130. Covers basic concepts of microcomputer and microprocessor architecture, assembly language and machine language programming, debugging and troubleshooting. Interfacing hardware/software control & feedback is covered.

ELET 2410 Microwave Communication 4
Prerequisite: ELET 2150. Covers solid state microwave passive and active components, basic principles/operation of microwave systems, using the Smith chart to determine parameters of transmission lines, and operating of particular test equipment.

ELET 2420 Electronic Video Systems 4
Prerequisite: ELET 2150. This course will encompass both TV systems, both simple and complex, and current VCR systems.

ELET 2450 Lasers and Fiber Optics 4
Covers laser applications, technology, and theory, including the principles of optical fibers, applications, techniques & devices used to connect fiber networks. Modern communication systems that use optics are explored.

ELET 2460 Telecommunications 4
Prerequisites: ELET 1100, ELET 1130. An overview of network LAN & WAN communications. The OSI model, topologies, and common protocols are covered. The course covers the material required to prepare students for the CompTIA NET+ examination.

ELET 2480 FCC License Preparation 4
Prerequisite: 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.

ELET 2600 Medical Instrumentation I 4
Prerequisites: ELET 2100, ELET 2140. Study of instrumentation of living organisms. Covers common instruments used for monitoring and diagnosis in a clinical environment. This includes ECG monitors, strip chart recorders, etc. Requirements may be met with an internship.

ELET 2610 Medical Instrumentation II 4
Prerequisite: ELET 2600. The focus of this course is on coronary care systems and equipment, defibrillators, pace makers, ultrasound systems, X-ray and MRI systems, and scaling and scanning systems. The course requirements may be met with an internship.

ELET 2750 Electronics Troubleshooting 4
Prerequisite: ELET 1100. Covers principles, techniques, and procedures for trouble-shooting electronics equipment. The equipment covered includes power supplies, audio and RF systems, analog, and digital systems. Emphasis is on use of test equipment.

ELET 2900 Special Topics in Electronics 1-15
Prerequisite: Variable. Special studies allow students to pursue special interests offered elsewhere in the program. Credit hours and course of study will be based on departmental approval. The course syllabus will outline documentation requirements of student.

ELI 1110 Electricity I A 5
Prerequisite: CPT 54 in Algebra or ELI 1470 with C or better. Electrical materials and devices, safety on the job site and handling of tools and equipments. Math for electricians and electrical code including definitions and basic direct current fundamentals.

ELI 1120 Electricity I B 5
Prerequisite: 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
Prerequisite: 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
Prerequisite: 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 5
This is a customized electricians' course in applied mathematics for the trades including algebraic and trigonometric functions.

ELI 2000 Electrical CO-OP 3-6
Prerequisite: 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
Prerequisite: 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
Prerequisite: 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
Prerequisite: 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
Prerequisite: 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
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
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.

ELTA 1010 DC/AC Basic Electronics 6
Covers basic electronics theory, DC and AC fundamentals, circuit analysis and troubleshooting. Students learn the use of electronics test equipment such as meters, oscilloscopes, and function generators.

ELTA 1030 Active Devices 6
Prerequisite: ELTA 1010, ELTA 2010. Fundamentals of active devices-diodes, bipolar, junction and field effect transistors, tyristor family and opto electronic family. Biasing techniques, basic amplifier classes and configurations. Basic power supplies.

ELTA 1040 Technical Basic 2
Prerequisite: Concurrent with ELET 1010. Course covers MSDOS, Windows applications and an introduction to structured programming using QBASIC. Focus is on practical applications that electronics and other technology students might encounter in industry.

ELTA 1050 Electronics Math 3
Prerequisite: CPT or MATH 1010. This course covers basic arithmetic, algebraic operations, and plane trigonometry required for an electronics training program. Graphical solutions, determinants, circular solutions, and systems of equations are covered.

ELTA 1080 Electronics Assembly Skills 2
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. Students receive an industry recognized certification.

ELTA 1100 Linear Circuits 4
Course active devices, such as diodes, transistors, thryristors, and opto-electric devices. Amplifier biasing and categories are covered, including linear and non-linear circuits. Troubleshooting concepts are emphasized.

ELTA 1130 Digital Circuits 4
Covers basic theory of digital circuits, binary, octal, and hexidecimal number systems, truth tables, gates, counters, and logic devices. AC/DC and DC/AC conversion is covered and lab projects emphasize trouble-shooting.

ELTA 2010 Advanced Circuit Analysis 2
Prerequisite: ELTA 1010, ELTA 1100. Covers advanced electronic network theory including Thevenins, Nortons, Millmans, and superposition. Analysis of the effects of input and output impedances, and loading effects on circuit performance are taught.

ELTA 2020 Technician Certification 2
Prerequisite: ELTA 1100, ELTA 1130. Review of electronics theory, applications to practical problems, & solutions. Computerized tutorial prepares students for industry-recognized Associate level examination (National Association of Radio & Telecommunication Engineers (NARTE).

ELTA 2100 Advanced Linear Circuits 6
Prerequisite: ELTA 1010, ELTA 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.

ELTA 2140 Advanced Digital Circuits 6
Prerequisite: ELTA 1130. The course covers advanced digital topics, including Karnaugh maps, advanced logic circuits, aadvanced counters, shift registers, memory systems, fundamentals of microprocessors and microprocessor architecture.

ELTA 2150 Communication Systems 4
Prerequisite: ELTA 1100, ELTA 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 class FCC exam.

ELTA 2200 Advanced Measurements 4
Prerequisite: ELTA 1010, ELTA 1130. Covers electrical measurements and calibrations. Includes statistical approaches to measurement and analysis of signal and noise values. In depth investigation of measurement techniques using O'scopes, meters, analyzers, etc.

ELTA 2300 Microprocessor Programming 4
Prerequisite: ELTA 1130, ELTA 2140. Concepts of the basic computer system architecture, 68HC11 architecture, machine language and assembly language programming, debugging and trouble shooting. Hands on trainer and program problem solving.

ELTA 2350 Microprocessor Applications 6
Prerequisite: ELTA 2300. Introduces the student to microprocessor interfacing including data & control in as well as data & control out. Using PIA Interface adapter & writing control programs to operate & control external devices. Introduction to robotics.

ELTA 2480 FCC License Preparation 4
Prerequisite: 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.

ELTA 2900 Special Topics in Electronics 4
Special studies allows students to pursue special interests offered elsewhere in the program. Credit hours and course of study will be based on departmental approval. The course syllabus will outline documentation requirements of student.

ENGL 1010 Intro to Writing (EN) 3
Prerequisite: WRTG 0990 with a C or better, or placement essay. 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 1050 Intro-Reading Contemp. Culture(HU) 3
Analysis of artifacts of contemporary culture found in media public places, education, work, family and how these relationships function to maintain, challenge and change social systems of power.

ENGL 1060 Tech Studies/Reading,Writing&Rspd(HU) 3
Examines how technology influences power, authority, social relations and literacy. Investigates the impact of technology on the individual and society.

ENGL 1200 Intro to Ling./Study of Language 3
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 1900 Special Studies 1-3
Prerequisite: 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 2000 English CO-OP Education 2-4
Prerequisite: Sophomore w/minimum 2.0 GPA, study-related employ. 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
Prerequisite: ENGL 1010 with a C 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.

ENGL 2030 Discourse Studies 3
Prerequisite: ENGL 1010 with a C or better. Study of written discourse within diverse social groups and academic disciplines.

ENGL 2100 Technical Writing (EN) 3
Prerequisite: ENGL 1010 with C 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.

ENGL 2250 Intro to Imaginative Writing 3
Prerequisite: ENGL 1010 with a C or better. Production of works in traditional genres, augmented by discussion of where generic districtions overlap, dissolve and collapse. Inquiries about identity, cultural influences and construction of imagination will be raised and tested.

ENGL 2260 Intro to Writing Poetry 3
Prerequisite: ENGL 2250. Poetry as genre will be examined regarding originations, conventions and effects on audience. Influences of culture as a source and site of conflict regarding poetic expression will be discussed. Students will write and read poetry.

ENGL 2270 Intro to Writing Fiction 3
Prerequisite: ENGL 2250. 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 2300 Intro to Shakespeare 3
Prerequisite: ENGL 1010 with a C 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 2600 Critical Intro to Lit. (HU) 3
Courses examines cultural texts with special attention to troubling the distinction of high and low forms. Students are guided through critical reading of a variety of texts and presented with methods involved in analyzing them.

ENGL 2610 Lit, Cult & Ideas/Amer Writing 3
Prerequisite: ENGL 1010 with a C 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 2620 Lit, Cult & Ideas/Brit Writing 3
Prerequisite: ENGL 1010 with a C or better. Course interrogates historical, political and cultural ideas suggested and sustained within representative British and Colonial texts, some classic, some newly emerging. Materials include both traditional and popular readings.

ENGL 2650 The Uses of Poetry 3
Prerequisite: ENGL 1010 with a C or better. This course investigates poetry and its status in relation to high culture. It deals with poetry's resistance to traditional poetics. The focus is predominantly critical, though students may also participate in the poetic process.

ENGL 2700 Introduction Critical Theory 3
Prerequisite: 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 Intro to Folklore (HU) 3
This course explores what folk tradition is, how it is studied and what it means. Students practice collecting and interpreting folklore, and explore relationships between folklore and other fields, such as history and literature.

ENGL 2720 Children's Literature 3
Prerequisite: ENGL 1010 with a C or better. This course explores texts written for children through the elementary level. Emphasis is placed on scope, artistic merit and selection.

ENGL 2730 Cultural Study of Science 3
Prerequisite: ENGL 1010 with C or better. This course examines scientific writings from non-fiction sources. Students will discuss how science has widened its appeal and become a dominant discourse for analyzing culture today. Authors include Crichton, Sagan, Zohar, and others.

ENGL 2740 Intro. to Women's Studies (HU) 3
This course surveys the cultural and social forces that have determined women's place in society. Women's issues are situated within cultural, social and political contexts that influence ideologies of gender and power.

ENGL 2750 Literatures of Med/Psych 3
Prerequisite: ENGL 1010 with a C or better. This course examines literatures of medicine and psychology as they reflect social attitudes towards these disciplines. Through fiction and non-fiction texts, students discuss cultural views of illness, madness and other topics.

ENGL 2810 Native American Literature 3
Prerequisite: ENGL 1010 with a C or better. This course is an introduction to Native American literature with topics rotating according to the expertise and design of the instructor. Readings may include oral narratives, autobiographies, poetry and fiction. Other media possible.

ENGL 2820 Intro to Women Writers 3
Prerequisite: ENGL 1010 with a C or better. Surveys various literatures to explore the diversity of women writers. Situates women's writing within its cultural context by examining social, cultural and political climate surrounding production of tests. Explores gender roles.

ENGR 1010 Engineering Problem Solving 2
Prerequisite: MATH 1060, and concurrent with ENGR 1020. Introduction to engineering problem solving techniques and tools used. Includes use of calculators, spreadsheets, math application software, and computer graphics in solving simplified engineering-type problems.

ENGR 1020 Intro. to Engineering as a Career 1
Prerequisite: Concurrent with ENGR 1010. An introduction to Engineering as a career including such topics as potential salaries, schooling required, career opportunities, problem solving techniques they use, and different disciplines within engineering.

ENGR 1030 MATLAB Problem Solving 3
Prerequisite: MATH 1060. An introduction to engineering problem-solving using MATLAB. Course work includes interactive computing, data analysis, and graphics.

ENVT 1010 Race to Save Planet (ID) 3
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. Designated as Service Learning class.

ENVT 1040 Workplace Safety Basics 2
This course reviews environmental, health and safety issues common to about all industrial work environments: such as chemical safety, worker's rights, personal protection, and other causes of workplace injuries and illnesses.

ENVT 1050 Intro to Environmental Tech 3
General overview of the Environmental Technology field. Focus on vocabulary, interdisciplinary aspects of the field and introduce environmental laws and regulations. Communication skills will be practiced.

ENVT 1060 Intro Occupational Health/Safety 3
General overview of OH&S Focus is on OSHA regs, workers comp, accident causation & prevention, OH&S fields such as industrial hygiene. Student presentations and internet use will be emphasized. No prerequisite.

ENVT 1100 Waste Stream Gen/Red/Trtment 3
Prerequisite: CHEM 1010. Students receive an understanding of industrial processes, waste reduction and treatment methods. Several common industries are examined. An industry of the students choice will be examined and presented in class.

ENVT 1250 Special Studies: EH&S Issues 1-3
Independent study course. May include attendance at conferences, review trade journal articles and research projects on pre-approved areas related to the ENVT field. Instructor permission required.

ENVT 1300 Basic Toxicology 3
Prerequisite: BIOL 1110. Overview of toxicology as it relates to the environmental & industrial setting. The toxic effect of common chemical families on the major organ systems will be addressed. A chemical profile will be researched and presented in class.

ENVT 1920 Short Courses & Workshops 1-3
Prerequisite: Instructor permission. This course will be a short course, workshop, or special program that focuses on a specific environmental technology or safety issue. Instructor permission required.

ENVT 2000 CO-OP Experience 2-4
Prerequisites: ENVT 1050, ENVT 1010. This is supervised work experience in a business, industry, or government position related to environmental technology. Credit is awarded for successful completion of learning objectives. Instructor permission required.

ENVT 2100 Environmental Compliance I 3
Prerequisite: ENVT 1050, ENVT 1100. Identify, interpret and practice application of EPA-Utah regulations associated with air quality, water quality, UST, National Environmental Policy Act. Calculations, permits, programs reviewed, and tours on industry taken.

ENVT 2150 Environmental Compliance II 3
Prerequisites: ENVT 1050, ENVT 1100. This course focuses on the regulatory requirements of the Resource Conservation and Recovery Act as well as the Emergency Planning and Community Right to Know Act. Course includes hands on exercises and internet use.

ENVT 2400 Haz Waste Op & Emerg Response 2
Prerequisite: ENVT 1300, concurrent with ENVT 2410. This course provides hands-on instruction for HAZWOPER and personal protection while working with chemical and physical hazards. Principles of PPE, ICS, hazard recognition, and spill response. Certificates are granted upon completion.

ENVT 2410 Haz Wste & Emerg Response Lab 1
Prerequisite: Concurrent with ENVT 2400. Graded lab to be taken concurrently with ENVT 2400.

ENVT 2800 Sampling and Analysis 2
Prerequisite: ENVT 1050 OR CHEM 1010 concurrent with ENVT 2810. Provides hands-on approach to sampling, monitoring, and analysis methods used in field sites and laboratories. A site assessment is completed of a selected site. Monitoring of Jordan River for local POTW. Taken with ENVT 2810.

ENVT 2810 Sampling and Analysis Lab 1
Prerequisite: Concurrent with ENVT 2800. Provides field opportunities to practice application of sampling, monitoring, and analysis of methods discussed in Envt 2800. Recordkeeping is major focus, along with following SOPs. Must be taken with ENVT 2800.

ESL 1010 College Listening and Speaking 7
Prerequisite: 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
Prerequisite: 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
Prerequisite: LOEP>72/TOEFL 133-172/>450. Helps students improve general English conversation skills through intensive practice.

ESL 1040 ESL Grammar 3
Prerequisite: 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
Prerequisite: 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
Prerequisite: 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
Prepares student to take the Test of English as a Foreign Language.

ESL 1080 Business English for ESL 3
Prerequisite: 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
Prerequisite: 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.

ETHS 2500 Native American Culture 3
This is an examination of the Native American experience from a cultural, historical, social, psychological and political perspective. It focuses on past and present.

ETHS 2580 Asian-American Culture 3
This is an examination of the Asian-American experience, focusing on commonalities and differences for different Asian-American groups within our society.

ETHS 2660 African-American Culture 3
This is an introduction to the African-American experience. Students will explore topics on the issues of race, self-concept, public policy and family relations within our society.

ETHS 2670 Mexican-American Culture 3
This is a brief survey of Mexican-American history and examination of the socioeconomic position of the Mexican-American people in Utah and the nation. This class uses seminar and discussion format.

FA 1080 Basic Metal Sculpting (FA) 3
This is hands-on training in the use of welding equipment. Students learn basic skills and safety necessary to create small art projects as approved by the instructor.

FA 1090 Bridging the Arts (FA) 3
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 2
An introduction to career opportunities available in the fashion industry, including an analysis of employer expectations and specialization areas such as buying and designing, fashion coordinating, and textile technology.

FASH 1100 Methods of Pattern Design 3
Basic pattern making skills are taught with an emphasis on learning to fit properly. Students will draft their own personal basic pattern through draping and flat pattern techniques. Half-scale standard patterns will be used.

FASH 1200 Quick Sketch 2
This course will teach students how to draw articles of clothing in correct proportions using a guide figure. Students will learn to sketch textures and use color to graphically illustrate individual designs.

FASH 1250 Fashion Illustration & Design 2
Prerequisite: FASH 1200. Students will develop their own style of illustration and broaden their knowledge of professional designers and illustrators and experience public exposure by exhibiting their designs in a showcase or gallery.

FASH 1300 Visual Merchandising 2
Course is 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 1350 Fashion Through The Ages 2
Class will review the history of fashion fads and trends through the use of prints and slides. Contemporary fashion and how design is influenced by historical costumes will also be reviewed and applied to in-class projects.

FASH 1500 Beginning Sewing 2
Course offers the opportunity to learn the use of the sewing machine or to improve basic sewing and construction skills. Also reviewed are fabric selection and care, fitting, measuring for and purchasing patterns.

FASH 1501 Advanced Sewing 2
Prerequisite: FASH 1500 or instructor approval. This course is designed to teach independent sewing skills and advanced clothing construction skills.

FASH 1550 Vocational Alter. & Costuming 2
Prerequisite: Instructor approval and basic knowledge of sewing. This course will teach the techniques of perfecting the fit of ready-made garments, which will prepare students for employment in stores, dry cleaners and costume shops.

FASH 1551 Adv. Alterations and Costuming 2
Prerequisite: FASH 1550. This course continues to teach the techniques of perfecting the fit of ready-made garments. Tailoring and other techniques will be introduced. Students will need to provide articles of clothing to work on.

FASH 1850 Fashion Show Production 4
This course will teach all aspects involved in producing a fashion show. The class will culminate with an actual fashion show put on by students featuring both clothing from the community and original student designs.

FASH 1900 Special Projects 1-3
Prerequisite: Instructor approval. This non-instructional course is designed to focus on individual student goals and career directions. Projects may range from design to production. Students may also explore individual business opportunities.

FASH 2010 Textiles 2
Course covers the process of textile construction and follows the production of the clothing article. Students will analyze various fibers and examine fiber strength, durability and resilience.

FASH 2100 Adv. Methods/Pattern Design-Fit 3
Prerequisite: 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 2190 Draping for Fashion 3
Prerequisite: FASH 1100 and Instructor approval. Course is a continuation of FASH 2100 adding the additional tool of draping to create more complicated styles. Students will be required to design, make patterns and sew quality items with the goal of displaying them in the fashion show.

FASH 2200 Psychology of Clothing 2
This course reviews the social, psychological and economic aspects of fashion from an historical perspective. Students also examine styles and approaches to fashion in various contemporary cultures.

FASH 2240 Fashion Buying and Management 2
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 2260 Fashion Forecast & Marketing 2
This course will teach students 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 2400 Advanced Design 4
Prerequisite: FASH 1100, 1200, 1500, 2010, conc. with FASH 2100. Explore past and present fashion designers and trends. Will design a line of clothing for the current trends in color, style and fabrics. Will have the opportunity to produce designs for acceptance into the Spring Fash. Show.

FHS 0010 Supervised Lab Experience 0
A lab experience in which students complete two hours per week of supervised interaction with children in the Eccles Lab School.

FHS 1320 Health, Safety, and Nutrition 2
The study of health, safety and nutrition, as related to the growth and development of children. The cause and prevention of common health and safety issues, menu planning, and the Federal Food Program are discussed.

FHS 1500 Human Development/Lifespan 3
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 Special Studies in FHS 1-2
Prerequisite: Instructor approval. Students plan areas of study and work with instructors on an individual basis. Students must identify a study project and have it approved by the instructor before enrolling in the course. Credit varies from 1 to 2 credit hours.

FHS 2000 Co-op Education in FHS 1-2
Prerequisite: 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). Instructor permission required.

FHS 2020 Special Studies-CDA Completion 3
Individuals who have been awarded the CDA Credential will be awarded credit.

FHS 2300 Admin.of E. C. Programs 2
This class examines basic management principles in directing a preschool or child care program. Budgeting, personnel, licensing and building issues are examined.

FHS 2330 Math and Science for Children 2
Prerequisite: FHS 2600. Applied course for integrating developmentally appropriate math and science concepts into early childhood programs. Includes basic scientific principles, skill assessment and activity planning, learning environments and materials.

FHS 2350 Art and Music for Children 2
Prerequisite: FHS 2600. Applied course for integrating developmentally appropriate arts concepts into early childhood programs. Includes basic principles of art, music and movement, developing activities and learning environments. Service learning component.

FHS 2400 Marriage and Family Rela. (ID) 3
Introduction to marriage an 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 Intro. to Human Sexuality (ID) 3
Integration of biological, behavioral & socio-cultural factors in human sexuality. Personal & social-sexual issues as they relate to decision-making concerning sexual behavior and sexual health are explored.

FHS 2500 Child Development: Birth-Eight 3
Prerequisites: FHS 1500, FHS 2600. The study of child development, birth to 8 years. Methods of teaching children are examined and practiced. Emphasis placed on developmentally appropriate practices. Includes observation & participation in a supervised lab experience.

FHS 2550 Infant Growth and Development 2
Prerequisite: FHS 1500. 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 & Dev. of Children 6-12 2
Prerequisite: FHS 1500. This class studies the growth & development of children ages 6 to 12 years. Principles & issues that impact the child's daily life in and out of the home are discussed.

FHS 2600 Intro. to Early Childhood Ed. 3
Prerequisite: Concurrent with 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
Prerequisite: Concurrent with FHS 0010. This is an introduction to effective strategies for guiding children in individual & large group settings. It includes observations & participation in a supervised lab.

FHS 2620 Creative Learning 3
Prerequisite: FHS 1500, FHS 2600, FHS 2610, concurrent w/FHS 0010. Emphasizes planning and implementing creative learning activities with young children. Role of observation and assessment in development of curriculum is emphasized. Includes participation in a supervised lab experience.

FHS 2630 Media for the Family 2
Prerequisite: FHS 2600. An applied course which provides learning of "hands-on" visual design, video and audio media. The use of technology in creating media for the home, school and classroom is emphasized.

FHS 2640 Working with Parents 2
The relationship between home, school and the community are explored. Emphasis is placed on building effective communication between parents and teachers. Students learn to present an effective parent education program.

FHS 2800 Practicum Teaching 5
Prerequisite: FHS2500, FHS2620, approval, concurrent w/ FHS2820. 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
Prerequisite: FHS2500, FHS2620, approval, concurrent w/FHS2800. 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.

FIN 1050 Personal Finance (ID) 3
Study of financial skills essential for economic success. Subjects: Financial planning, financial services, income taxes, consumer buying, insurance, retirement planning & estate planning.

FIN 1210 Principles of Banking 2
Evolution of American banking; deposit, credit & payment functions; loans & investment; liquidity, safety & income; bank language, documents, accounting & pricing; regulation & examination; personnel, mrktng & security; trust services.

FIN 1380 Financial Mathematics 3
Prerequisite: MATH 0970 or CPT. 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
Prerequisite: 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
Prerequisite: ACCT 1230. This course studies concepts essential to business success. Planning & 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
Prerequisite: FIN 1050. Process of investing; goal setting, risk-return, diversification & asset allocation. Study of available investment vehicles, functions of financial markets, investment techniques/strategies. Taxes, insurance, & estate planning.

FIN 2150 Mutual Funds 3
Prerequisite: FIN 1050 or approval. Mutual funds, a fast-growing form of financial institution, are explored. Topics include financial intermediaries, marketing to investors, portfolio management, technology and internationalization. Case studies are used for analysis.

FIN 2200 Personal Financial Plan 3
Prerequisite: FIN 1050. Real-life case studies; questioning & decision making; basic principles of financial planning, cash budgets, taxes, management of assets & debts; insurance review (life, health, property & liability), major investments, vehicles, retirement & estate planning.

FIN 2210 Principles of Business Credit 2
Prerequisite: ACCT 1110 or ACCT 1220. Business & consumer credit; credit management, developing credit information, finance systems analysis, decision making, collection practices & procedures; credit reporting agencies, dept. organization & policies, international trade credit, government use & regulations.

FIN 2220 Financial Statement Analysis 2
Prerequisite: ACCT 1120 or ACCT 1220, FIN 2210 or concurrent. Analysis of companies' financial statements to identify & evaluate credit risk. Analysis leads students to conclusions about firms' financial condition and credit worthiness.

FIN 2240 Credit Law 2
Prerequisite: FIN 2210. Legal aspects of credit & collections. Subjects:Credit laws, civil procedure, secured claims & bankruptcy.

FIN 2950 Executive Lectures I 1
Corporate, industry, & government leaders share their experiences in finance, mgmt, & economics. Students benefit from wisdom acquired through practical business exper. & learn about events affecting local/national businesses/economies.

FIN 2960 Executive Lectures II 1
Prerequisite: 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 & economic conditions.

FIN 2990 Special Studies in Finance 1-3
Prerequisite: Instructor approval. Under the supervision of the instructor, students develop and follow an individualized curriculum.

FLM 1030 Production Project I 2
An intensive workshop experience in which students, crewing in their area of specialization, complete the shooting and postproduction of projects up to 30 minutes in length. Required of all Film majors.

FLM 1031 Production Project II 2
Prerequisite: FLM 1030. A follow-up workshop experience to FLM 1030, in which students, crewing in their area of specialization, complete the shooting and postproduction of projects up to 30 minutes in length. Required of all Film majors.

FLM 1040 Intro. to Production for Film 2
rereq: Concurrent with FLM 1041. A comprehensive intro. to basic film production techniques & equipment. Proper procedures explained for use of cameras, lenses, film stocks, lights, mics, tape recorders, editors, & other equip. Required of all Film majors.

FLM 1041 Intro. to Prod. for Film Lab 2
Prerequisite: Concurrent with FLM 1040. This lab course allows continued development of production projects, utilizing principles previously learned in all other film classes.

FLM 1050 Intro to Film (FA) 4
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 THE 1050.

FLM 1060 Prod. II-Cinematography 1
Prerequisite: FLM 1040; Concurrent with FLM 1061. Assignments in film and video formats focusing on black/white/color cinematography, individual projects, camera and lighting techniques in commercial, education, & dramatic films.

FLM 1061 Prod. II-Cinematography Lab 3
Prerequisite: FLM 1041; Concurrent with FLM 1060. This lab course allows continued development of production projects, utilizing principles previously learned in all other film classes.

FLM 1070 Film and Culture (ID) 4
Course intended to raise awareness through aesthetic, critical and interdisciplinary examinations of the evolution of film. Some films may be considered controversial and/or R-rated. Also listed as THE 1070.

FLM 1100 Acting for the Camera I 1
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
This lab course allows for practice time in both solo and interactive performances for the camera.

FLM 1110 Voice & Speech for the Actors 3
Principles of diction, voice development & 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
Prerequisite: 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 & the study of methods used by Film/TV actors.

FLM 1201 Acting for the Camera II Lab 3
Prerequisite: FLM 1101. This lab course allows for practice time in both solo and interactive performances for the camera.

FLM 1800 Digital Media Essentials 4
Intro to software & hardware used to create multimedia productions. Hands-on experience using hardware, software to create 2D/3D graphics, sound, animation, & video. Discussion of the multimedia market, copyright, & ethics in mass media.

FLM 1900 Independent Studies 1-3
Students will plan their areas of study, performance and/or technical work with full-time instructor on an individual basis. Prerequisite: Instructor approval.

FLM 2010 Intro. to Film Directing 2
Prerequisite: FLM 1040, FLM 1060; Concurrent with FLM 2011. Emphasis on visualization of the screen play, the junction of the actor in interpreting the script, and the role of the director in handling actors during production of a film. Required of all Film majors.

FLM 2011 Intro. to Film Directing Lab 2
Prerequisite: Concurrent with FLM 2010. Practice time is allowed for actual film directing, using other classmates and community members in film projects.

FLM 2030 Production Project III 2
Prerequisite: FLM 1031. A follow-up workshop experience to FLM 1031. Students will crew in their area of specialization, as well as complete shooting and post-production work on projects. Required of all Film majors.

FLM 2040 Adv Prod-Modern Media Concpts 1
Prerequisite: FLM 1060; Concurrent with FLM 2041. Practicum in the creative & technical aspects of interactive media technology: multimedia; digital video; producing/designing for interactive TV/cinema/CD/online. Creative use of technologies for new forms of expression.

FLM 2041 Adv Prod/Mod. Media Con. Lab 3
Prerequisite: FLM 1061; Concurrent with FLM 2040. Practice time is provided to utilize technologies discussed in FLM 2040.

FLM 2060 Motion Picture Sound 1
Prerequisite: Concurrent with FLM 2061. Instruction in the method of recording sound with emphasis on motion pictures. Topics include: microphones, NAGRA & DAT recorders, location sound recording problems, transfer, ADR, Foley, sound effects, editing & mixing; basics of production.

FLM 2061 Motion Picture Sound Lab 3
Lab time is provided to experiment with various types of sound equipment for film.

FLM 2070 Bus Mgmt/Admin for Performing Arts 3
Introduces students to the multiple business, administrative & management issues & practices for the performing arts. Areas included: pre-production, production, post-production, insurance, liability, advertising, & marketing.

FLM 2200 Introduction to Film Criticism 4
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. Prerequisites: THE/FLM 1010, THE/FLM 1050 or THE/FLM 1070.

FLM 2700 Second-Year Project 1
Prerequisite: FLM 2030; Concurrent with FLM 2701. With one-on-one faculty supervision, the student researches, designs, and completes his own final film or digital video project.

FLM 2701 Adv Phys. Post-Prod/Tech Lab 2
Prerequisite: FLM 2030, w/FLM 2700. One-on-one faculty supervised technical film post-production project. Student participates in editing teams to perform post-production for film or digital video projects on which principal photography was completed in FLM 2700.

FLM 2750 Internship 3
Prerequisite: FLM 2030, FLM 2040. Provides students with hands-on experience in actual work environments. Students will learn throughout their fieldwork about television and movie sets, and actual film television, and movie production.

FLM 2800 Film Acting for Directors 1
Prerequisite: Concurrent with FLM 2801. Course demystifies the actor's craft and develops a range of techniques through scene study, improvisations, exercises & script analysis. Techniques are invaluable to directors and writers.

FLM 2801 Film Acting for Directors Lab 2
FLM 1010, THE/FLM 1050 or THE/FLM 1070. A course designed for students to explore specific areas of interest in a classroom setting.

FLM 2900 Special Topics 3
Prerequisite: THE/FLM 1010 THE/FLM 1050 or THE/FLM 1070.
A course designed for students to explore specific areas of interest in a classroom setting.

FLYT 1010 Air Transportation 3
A survey of the air transportation industry to include airline deregulation, government regulatory agencies, general aviation and airline management operations and aircraft.

FLYT 1040 Aviation Orientation 1
Students will be introduced to many aspects of the aviation industry, job opportunities, the flight program, procedures, and how to finance flight training. Students will be given the opportunity to meet with industry personnel.

FLYT 1050 Aviation History 3
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.

FLYT 1100 Private Pilot Ground School 4
Prerequisite: Concurrent with FLYT 1140. A study of aviation fundamentals, principles of flight, aircraft and engine operations, weather, navigation and radio communications as required by FAA regulations. Students will be prepared to begin flight training.

FLYT 1140 Solo Pilot Certification Lab 1
Prerequisite: Concurrent w/FLYT 1100. Students will begin flight training with a FAA certified flight instructor. Training will include all the skills necessary to fly solo.

FLYT 1150 Private Pilot Certification 2
Prerequisite: FLYT 1140. Students continue to fly with a 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.

FLYT 1250 Instrument Ground School 3
Prerequisites: FLYT 1150, concurrent w/FLYT 1260. A more in-depth study of the purpose, operation, and use of aircraft instrumentation in airport departures, en route navigation and instrument approaches. The student will be prepared to qualify as an instrument-rated pilot.

FLYT 1260 Instrument Simulator Lab 1
Prerequisite: Concurrent with FLYT 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.

FLYT 1299 Specialty Training FLYT 1-7
This course is designed to provide students with advanced training specific to industry. Students must register for 1-7 credits in the FLYT program. It is taught for advanced projects and industry requests.

FLYT 1300 Instrument Certification 3
Prerequisites: FLYT 1250, FLYT 1260, concurrent w/FLYT 1150. 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.

FLYT 1310 Human Factors and Safety 3
Pilot performance affected by training, environment, stress, fatigue, and cockpit design will be discussed. Students will study accidents and pilot error as they relate to safety. Illusions, vertigo, and disorientation will be studied.

FLYT 1990 Special Studies 1-2
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.

FLYT 2000 Aviation CO-OP 1-2
Prerequisite: Second-year student, instructor approval Aviation CO-OP is open to second year students. This elective class will require special approval prior to registration. See program coordinator for more information.

FLYT 2010 Pre-Graduation Seminar 1
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.

FLYT 2050 Aviation Meteorology 3
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.

FLYT 2100 Commercial Ground School 3
Prerequisite: FLYT 1250. All previous materials and concepts will be reviewed in addition to further development of complex applications. The fundamentals of a professional pilot will be presented to prepare students to complete the FAA commercial rating.

FLYT 2200 Commercial Pilot Cert Lab I 2
Prerequisite: FLYT 2100. A thorough introduction to pilot-in-command in a complex aircraft with precision flight maneuvers. This course will build the aeronautical knowledge, experience, and requirements toward commercial pilot certification.

FLYT 2210 Multi-Engine Ground School 2
Prerequisite: FLYT 1150. Concurrent with FLYT 2220 Student will obtain the knowledge, skill, and aeronautic experience necessary to meet the requirements of the multiengine certificate and multi-engine class rating.

FLYT 2220 Multi-Engine Add-On 1
Prerequisite: FLYT 1150, Concurrent with FLYT 2210. This course is taught one-on-one with a flight instructor. It includes the practical knowledge to fly a multi-engine aircraft safely and to the standards required for FAA certification.

FLYT 2240 Commercial Pilot Cert Lab II 2
Prerequisite: FLYT 2200. This course will complete the foundation necessary to prepare the student to take the FAA Part 141 commercial pilot certification examination. Commercial maneuvers in complex aircraft will be required for approx. 37 hours.

FLYT 2250 Physics of Flight 2
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.

FLYT 2300 CFI/Airplane 2
Prerequisite: FLYT 2250. Students desiring to instruct other pilot candidates are prepared in the aircraft by a flight instructor. The course will include flight maneuvers required for the FAA CFI certification process.

FLYT 2340 CFI Ground School 3
Prerequisite: FLYT 2100. Designed to teach learning theories, styles, domains, communication techniques, the teaching process, teaching methods, lesson plans, & evaluation of student performance & human factors resulting in instructional knowledge required to teach flight students.

FLYT 2350 CFI/Instrument 1
Prerequisite: FLYT 2300. This course will prepare the flight instructor with the requirements to become FAA certified to instruct in instrument flight.

FLYT 2400 CFI / Multi-Engine 1
Prerequisite: FLYT 2300; FLYT 2340. Certified flight instructors master multi-engine aircraft operation to safely and competently demonstrate the course of instruction leading to the multi-engine CFI rating.

FLYT 2420 Aircraft Systems 2
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, & electrical systems.

FLYT 2440 Mountain Flying 1
Prerequisite: FLYT 1150, FLYT 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.

FLYT 2470 Corporate / Business Aviation 2
This course will acquaint the student with a broad range of topics including corporate and business flight management, type of aircraft used, and operational considerations and regulations of the industry.

FRN 1010 Beginning French I 5
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 survival and social situations. Lab attendance required.

FRN 1020 Beginning French II 5
Prerequisite: FRN 1010 or instructor pproval. 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 survival and social situations. Lab attendance required.

FRN 1300 Beginning Conversation 1
Prerequisite: 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
Prerequisite: 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
Prerequisite: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
Prerequisite: FRN 1020 or instructor approval. Fourth 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 2300 Conversation 1
Prerequisite: 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
Prerequisite: 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
Prerequisite: 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
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 1010 Intro to Genealogical Research 3
Course will focus on: 1) How to utilize available sources to solve problems; 2) How to identify information you need; and 3) How to organize your documents and direct your research using the most efficient, systematic and logical processes.

GEN 1030 Genealogical Computer 1
Course will instruct students in: 1) PAF (Personal Ancestoral Files), the most commonly used genealogical software; and 2) CLOOZ, a program to help you organize your documents.

GEN 1110 Genealogical Writing 2
Course will instruct students on how to organize their thoughts from research and clearly write them down.

GEN 1120 Genealogical Writing II 2
Course will prepare students to write articles for professional historical and genealogical journals and magazines.

GEN 1200 Case Studies/Problem Solving 2
Course will present case studies in problem solving drawn from a large variety of fields. Focus will be on examining genealogical problems and using these case studies as patterns for yet unproven genealogical research.

GEN 1210 Ethics and Fraud in Genealogy 3
Students will learn how to: verify information accurately, identify and correct conflicting information, unmask fraudulent genealogy publications and properly use genealogical sources.

GEN 1220 Genealogical Vocabulary 1
Course will teach both legal terminology and foreign language vocabulary necessary for successful genealogical research from the 16th century to the present in American genealogical research.

GEN 1300 US Vital Church Census Records 3
Course is a comprehensive study of these and other related records and their uses in proving genealogical connections. Case studies from these sources will be studied and applied to research situations.

GEN 1310 US Court Immig Probate Recrds 3
Course is a comprehensive study of these sources and their uses in proving genealogical connections. Case studies from these sources will be studied and applied to research situations.

GEN 1320 US Land Prop Military Recrds 3
Course is a comprehensive study of these sources and their uses in proving genealogical connections. Case studies from these sources will be studied and applied to research situations.

GEN 1330 Conversational Danish 5
Course is designed to help the student develop proficient listening, speaking, reading and writing skills. Lab attendance is required. NOTE: Dutch, Norwegian and Swedish will also be blended into the course.

GEN 1400 Paleography 3
Students will learn to read and understand old handwritings found in early American records from the 16th through 18th centuries, including letters of the alphabet from England, France, Germany, Scandinavia, Spain and Latin script.

GEN 1500 Writing Life Stories 1
Instruct students on how to properly interpret genealogical research to assist them in writing accurate life stories of ancestors and/or others who have died.

GEN 1510 Missing Heir Searches 1
Teaches students the methodologies used for finding heirs of people who die without immediate family. This type of research is commonly needed for legally probating estates.

GEN 1520 Human Genetics in Gen Research 3
Instructs students on the types of medical problems traced in medical genetic genealogical research. Students will learn to use the latest genetic genealogical software.

GEN 1530 LDS Church Records 3
Instructs students on the proper use of sources created by the LDS Church of Genealogical Value, a tool used to trace Western United States families.

GEN 1540 International Gen Research I 2
Instructs students on the proper use of the Research Outlines prepared by The Family History Library in the following areas: French/Amer French, German/Amer German, British/Amer British Isles, Scandinavian/ Amer Scan Isles.

GEN 1550 Genealogical Research Apprentice 2
Students will do hands-on genealogical research, preparing research logs and writing genealogical client reports.

GEOG 1200 Earth's Surface Envrnmnts (PS) 3
This course examines the interrelationships of land, water, and atmosphere in the human environment. Location of features and countries is also emphasized.

GEOG 1400 Human Geography 3
The thematic study of human activity (population, religion, language, migration, industry) and the global distribution of these activities.

GEOG 1600 Regional Geography (ID) 3
The study of major cultural regions of the world. Includes introduction and analysis of current cultural, political, economic, and environmental issues.

GEOG 1700 Nat. Disasters Env. Fld. Study 3
Course introduces natural disasters, the related energy and processes which cause them, and the impact on human activity as an integral component. Investigations include methods of prevention, preparation and mitigation of damage.

GEOG 1800 Intro/Geographic Infor. Sci 3
Course provides a foundation for skill development in GIS. Multiple sources for acquiring and analyzing data with basic GIS application are introduced.

GEOG 1820 Applied GIS 3
Prerequisite: GEOG/GIS 1800 or Instructor approval. Class builds on skills introduced in GEOG 1800 with emphasis upon using original source data. May include use of Tiger files, hotlinking, GPS, joining/merging files and other advanced GIS skills.

GEOG 1900 Special Projects 1-3
Prerequisite: Instructor approval. With instructor as facilitator, students develop and pursue an individualizd currivulum, using ArcView/GIS procedures

GEOG 2000 Geography Co-Op

GEOG 2100 Maps and Measurement 5
Course provides basic cartographic skills, scale, grid systems, measurements, contour line/interpolation, aerial photos, remote sensing, surveying essentials, graphing, projections and other map interpretation skills.

GEOG 2200 Urban/Environmental Issues 3
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
Prerequisite: 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. May include Service Learning.

GEOG 2920 Contemporary Studies 3
Prerequisite: GEOG 1900 or Instructor approval. Individual studies with GIS application. Students will design project and present for approval. May have a service learning component. Purpose of class is to give students hands-on exerience using GIS.

GEOL 1010 Intro to Geology (PS) 3
An introduction to the processes and materials that shape the earth. It includes mineral identification, map reading, erosion, deposition, volcanism, earthquakes, and continental drift.

GEOL 1110 Physical Geology 3
Concurrent with GEOL 1120. 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.

GEOL 1120 Physical Geology Lab 1
Prerequisite: Concurrent with GEOL 1110. This is a laboratory experience in physical geology.

GEOL 1160 Environmental Geology 3
Prerequisite: Concurrent with GEOL 1170. This is the study of natural and man-made threats to human life and property. Their causes, preventions, and mitigation are covered.

GEOL 1170 Environmental Geology Lab 1
Concurrent with GEOL 1160. This course provides hands-on experience in the lab, the community, and the field with subjects covered in GEOL 1160.

GEOL 1220 Historical Geology 3
Prerequisites: GEOL 1110, GEOL 1120, concurrent w/GEOL 1230. Class covers physical and biological history of earth development of major structural and stratigraphic features; also an introduction to fossil record.

GEOL 1230 Historical Geology Lab 1
Prerequisite: Concurrent with GEOL 1220. This twice per week class is to provide hands-on experience in the lab, the community and the field with subjects covered in GEOL 1220.

GEOL 2350 Field Studies in Geology 3
Prerequisite: Instructor Permission. Course provides an introduction to geology field studies. Covers local geology, rock & mineral identification, map reading, structure recognition and relevant geologic processes.

GER 1010 Beginning German I 5
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 survival and social situations. Lab attendance required.

GER 1020 Beginning German II 5
Prerequisite: 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 survival and social situations. Lab attendance required.

GER 1300 Beginning Conversation 1
Prerequisite: 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
Prerequisite: 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
Prerequisite: GER 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.

GER 2020 Intermediate German II 4
Prerequisite: GER 1020 or instructor approval. Fourth 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.

GER 2300 Conversation 1
Prerequisite: 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
Prerequisite: 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
Prerequisite: 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
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.

GIS 1800 Intro/Geographic Info. Sci 3
Course provides a foundation for skill development in GIS. Multiple sources for acquiring and analyzing data with basic GIS application are introduced.

GIS 2900 Independent Projects 1-3
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. May include Service Learning.

GIS 2920 Contemporary Studies 3
Prerequisite: GIS 1900 or Instructor approval. Individual studies with GIS application. Students will design project and present for approval. May have a service learning component. Purpose of class is to give students hands-on experience using GIS.

HDEO 1110 Heavy Duty Equip. Operator 1A 5
This course studies the history of highway construction & elements of safety as they relate to the equipment operator. Equipment identification and basic equipment operation is covered.

HDEO 1120 Heavy Duty Equip. Operator 1B 5
Students receive an introduction to equipment lubrication. Students also complete a 40-hour Hazmat course.

HDEO 1210 Heavy Duty Equip. Operator 2A 5
Students receive hands-on equipment operation. Students also receive forklift certification and MSHA certification. Also included is a 40-hour grade setting component.

HDEO 1220 Heavy Duty Equip. Operator 2B 5
This course covers an introduction to crane identification, operation, and safety.

HDEO 2310 Heavy Duty Equip. Operator 3A 5
This course covers advanced operating techniques as well as an introduction to automatic controls.

HDEO 2320 Heavy Duty Equip. Operator 3B 5
This course covers advanced finishing techniques including laser controlled grading.

HIS 1010 Hist/Westrn Civ. to 1300 (SS) 3
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 to modern societies.

HIS 1020 Hist/ West Civ. since 1300 (SS) 3
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.

HIS 1040 World History to 1500 3
This course is the first half of a series covering World History to 1500. (HIS 1050 covers World History since 1500.)

HIS 1050 World History Since 1500 (SS) 3
Students examine civilizations of the world since 1500. Emphasis is on transformation from a world of divided regions to one of worldwide economic, political and cultural systems.

HIS 1100 Understanding History (SS) 3
An introduction to the nature and philosophy of history, its role in individual lives and society, and its potential as a liberating force. This course assumes that the past is also part of the present and influences us today.

HIS 1300 Colonial Latin America 3
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.

HIS 1310 Modern Latin America 3
This course surveys Latin America from the era of independence to the present. Emphasis is on contemporary issues of dependency, revolution and cultural identity.

HIS 1450 Islamic Civilization 3
This course addresses historical and cultural evolution of the dominant religious civilizations of the Middle East.

HIS 1700 American Civilization (AI) 3
This course covers the fundamentals of American history from exploration and colonizations to the present with emphasis on historical, political, social and economic events.

HIS 1900 Special Studies in History 1-2
Prerequisite: Instructor approval. Under the instructor supervision, students develop and follow an individualized curriculum.

HIS 2700 US History to 1865 3
This is a general survey of American history from discovery through the Civil War; including the establishment of the Constitution and westward expansion.

HIS 2710 US History Since 1865 3
This is a general survey of American history from the Civil War to the present.

HIS 2900 Special Topics 1-3
Prerequisite: Instructor approval. A course designed by faculty which allows students to explore specific interest areas of History on a semester-by-semester basis.

HIS 2990 Utah History (SS) 3
A general survey of the history of Utah to the present and its place in the region & the nation will be examined. . . Department, U of U.

HLA 1010 Cheerleading 1

HLA 1020 Cardio Fitness 1
Student will write, record and engage in a fitness program using a variety of workout options. Includes appraisals of student fitness level. Also offered on a flexible schedule format. Flex students attend an orientation in LAC 191.

HLA 1050 Fitness for Life 1
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 changes.

HLA 1060 Jog/Walk 1

Student will engage in a personalized jogging and/or walking program. Students will be taught proper technique, safety and footwear selection. A means to help students lose fat, firm up, improve cardiovascular endurance and ease tension.

HLA 1070 Aerobics I/Step 1
Aerobic conditioning designed to develop cardiovascular endurance, strength, coordination and flexibility. Involves routines which include step benches, and vigorous exercise set to music.

HLA 1071 Aerobics I/Interval 1
Aerobic conditioning class which may include jogging, interval training and vigorous exercise set to music. Covers proper guidelines to monitor target heart rate. Emphasis on proper safety and technique.

HLA 1080 Aerobics II/Kickboxing 1
A rigorous interval aerobic workout combining techniques of boxing and martial arts, set to music. Develops cardiovascular endurance and improves muscular strength.

HLA 1081 Aerobics II/Spinning 1
A rigorous aerobic workout on cycles, in a class setting, set to music. Develops cardiovascular endurance and improves overall muscular strength.

HLA 1090 Flexibility for Fitness 1
A comprehensive stretching program to increase the range of joint mobility, that will include all body parts through a regular flexibility exercise program. Covers safe practice and enjoyable ways to increase muscular flexibility.

HLA 1100 Strength Training I 1
Basic principles in resistance training, proper lifting techniques and methods to increase muscular strength and endurance. Free weights, weight machines and exercise apparatus will be used. Learn proper training fundamentals.

HLA 1110 Strength Training II 1
Prerequisite: HLA 1100 or instructor approval. Intermediate course to continue strength training program. Student will write own program and set goals attainable throughout training period. Includes related strength, chin-ups and dips.

HLA 1120 Aerobic Circuit 1
Cardiovascular workout combined with strength training. Use of resistance equipment, alternating with aerobic intervals Covers basic principles in resistance and cardiovascular training. Excellent for cross training and muscle toning.

HLA 1150 Basketball I 1
Course teaches the basic skills of shooting, passing, ball handling, rebounding, transition, teamwork and the rules and regulations of basketball. Introduces new skills and allows scrimmage time each class session.

HLA 1160 Basketball II 1
Prerequisite: HLA 1150 or instructor approval. Teaches intermediate skills of shooting, passing, rebounding and ball handling. Intermediate level strategies of the game with emphasis on a more competitive style of play. Includes scrimmage time during each class session.

HLA 1180 Soccer I 1
Covers soccer concepts including ball control, dribbling, heading, trapping, passing and shooting. Teaches rules and strategies of the game with an emphasis on team play.

HLA 1181 Soccer II 1
Prerequisite: HLA 1180 or instructor approval. This course moves beyond the recreational level by providing students an opportunity to increase soccer skills as it covers more advanced skills and strategies than Soccer I.

HLA 1190 Competitive Womens/Mens Soccer 1
Must be a member of SLCC competitive soccer club to enroll. Call 957-4002 for questions about the men's team or 957-4336 for questions about the women's team.

HLA 1210 Softball 1
Covers the basic fundamentals of softball. Students can increase individual skills and gain an understanding of the rules and regulations that govern this sport. Designed for fun and good competition.

HLA 1230 Volleyball I 1
Covers basic skills of setting, passing, serving, spiking, blocking and individual defense. Covers basic concepts of defense, offense and transition. Increase individual skill and understanding of rules which govern volleyball.

HLA 1240 Volleyball II 1
Prerequisite: HLA 1230 or instructor approval. Covers advanced skills and team concepts for intermediate players. Teaches 6-person, 3-person and 2-person intense transition drills. Excellent course for students who enjoy volleyball.

HLA 1260 Volleyball III 1
Prerequisite: HLA 1240 or instructor approval. Covers skills and team concepts for advanced players. Advanced techniques including offensive and defensive systems, blocking principles, stacking. Excellent course for students who enjoy competing in volleyball.

HLA 1390 Tennis I 1
Covers basic concepts of tennis. Includes scoring, serving, forehand, backhand, overhead, volley and net game. Covers basic tennis techniques, rules and strategies.

HLA 1400 Tennis II 1
Prerequisite: HLA 1390 or instructor approval. Course starts at advanced beginner level. Learn to adjust tennis strokes; power, control, height of bounces, speed and angles. More efficient use of court and court strategy. Also obtain more effective use of flat stroke.

HLA 1410 Tennis III 1
Prerequisite: HLA 1400 or instructor approval. Skills and concepts for intermediate to advanced players. Includes volley, hale volley and specialty shots such as drop, lob, and smash. Includes basic strokes incorporating slices, under spin and top spin. Includes competitive play.

HLA 1450 Racquetball I 1
Covers basic fundamentals of racquetball. Includes basic strokes, shots, safety, strategy and sportsmanship. Introduces and practices new skills each class session. Gain better understanding of rules and regulations of sport.

HLA 1460 Racquetball II 1
Prerequisite: HLA 1450 or instructor approval. Covers intermediate skills, techniques and strategies used in singles, doubles and cut-throat matches. Includes increased levels of proficiency and competition.

HLA 1500 Intercollegiate Athletics 1
Prerequisite: Instructor approval. This is competitive athletics: baseball, basketball, and volleyball. Instructor approval required.

HLA 1530 Bowling I 1
This course covers basic fundamentals of the game. Skills reviewed include ball selection, approach and delivery. Rules and etiquette will also be covered.

HLA 1531 Bowling II 1
Prerequisite: HLA 1530 or instructor approval. This course continues the study and application of effective bowling. Intermediate skills, techniques and strategies will be taught.

HLA 1532 Bowling III 1
Prerequisite: HLA 1531 or instructor approval. This advanced class consists of in-depth individual instruction and higher levels of competitive play.

HLA 1560 Golf I 1
Designed to teach basic techniques, rules and etiquette of golf. Excellent class for beginners.

HLA 1570 Golf II 1
Prerequisite: HLA 1560 or instructor approval. Course teaches intermediate golf skills, techniques and strategies. Includes individual evaluation of golf game strengths and weaknesses and emphasizes playing according to USGA rules.

HLA 1600 Skiing/Snowboarding 1
Designed for all level downhill skiers or snowboarders. Skills will be assessed. Covers correct techniques. Classes taught by professionally trained instructors. Special fee required.

HLA 1605 Snowshoeing I 1
Students taught basic skills in snowshoeing techniques. Maintenance, trip planning and first aid will be covered.

HLA 1606 Snowshoeing II 1
Prerequisite: HLA 1605 or instructor approval. Intermediate skills in snowshoeing techniques, maintenance, Trip planning and first aid will be taught.

HLA 1610 Ice Skating I 1
Designed for students to learn the basic fundamentals and skill levels of ice skating. Levels of ice skating institute (ISI) and united states figure skating association (USFSA) classifications will be covered.

HLA 1615 Hiking I 1
Designed for students to learn the basic skills of hiking, trip planning and first aid. This adventure class is a natural and inexpensive form of physical activity.

HLA 1616 Hiking II 1
Prerequisite: HLA 1615 or instructor approval. Covers intermediate hiking techniques, trip planning, safety and first aid. This course embarks on more demanding hikes than offered in Hiking I.

HLA 1620 Rock Climbing I 1
Provides physical exercise and gives each student the opportunity to develop their own skills in climbing. Students will be taught basic static and dynamic movement styles.

HLA 1621 Rock Climbing II 1
Prerequisite: HLA 1620 or instructor approval. Students learn intermediate static and dynamic movement styles. Detailed instruction on belaying clipping and rope management techniques. Students taught how to safely lead-climb indoors.

HLA 1625 Mountain Biking I 1
Provides instruction in basic mountain biking techniques, maintenance, trip planning, safety and first aid. Class meets at various locations along the Wasatch Front. Students must provide their own bike.

HLA 1626 Mountain Biking II 1
Prerequisite: HLA 1625 or instructor approval. Provides instruction in intermediate mountain biking skills including maintenance, trip planning, safety and first aid. Class meets at various locations along the Wasatch Front. Involves longer and more technical rides than Mtn Biking I.

HLA 1640 Related Outdoor Activity 1
This course provides credit for physical activity related to other courses offered by the College such as community services courses involving building homes for the homeless or anthropology courses involving field schools.

HLA 1660 Swimming I 1
Instruction includes floats, basic stroke techniques, water entries, water comfort, safety and endurance. Meets American Red Cross basic swimming stroke standards.

HLA 1670 Swimming II 1
Prerequisite: HLA 1660 or instructor approval. Designed to give in-depth instruction in stroke technique, mechanics and endurance, rhythmic breathing and water safety skills.

HLA 1690 Water Fitness 1
Designed for swimmers and non-swimmers. This water exercise program will increase cardiovascular fitness, flexibility, strength and endurance.

HLA 1710 Power Swim 1
Prerequisite: HLA 1670 or instructor approval. Course offers a variety of interval training techniques to improve cardiovascular endurance and strength fitness. Program individualized to students current fitness level and goals.

HLA 1720 Springboard Diving 1
Prerequisite: HLA 1670 or instructor approval. Teaches techniques involved in five basic dives: Front, back, reverse, inward and twisting. Emphasis is on safety and dive variations.

HLA 1740 Scuba I 1
Covers basic scuba diving techniques, safety and equipment use in an indoor pool setting. Learn about pressure, dive tables, respiration and planning. Special fee required.

HLA 1750 Scuba II 1
Prerequisite: HLA 1740 or instructor approval. Underwater search patterns, principles of underwater physics, volume and pressure changes, limited visibility diving. Specialty equipment, deep diving and photography will be covered. Special fee required.

HLA 1770 Lifeguard Training 2
Prerequisite: HLA 1670/CPR. Certification Class provides knowledge and skills necessary to performance as pool or nonsurf lifeguards. American Red Cross certification is available at successful completion of course.

HLA 1810 Social Dance I 1
Introduces social, ballroom and partner dancing. Includes basic steps of waltz, foxtrot, swing, cha-cha and other partner dances. Master basic movement and step patterns. Previous dance experience is not required.

HLA 1820 Social Dance II 1
Prerequisite: HLA 1810 or instructor approval. Designed for students with previous basic skills in ballroom dance. Intermediate steps of waltz, swing, cha-cha and other partner dances will be taught. This course is challenging and fun.

HLA 1840 Country Western Dance I 1
Includes western swing, line dances, Texas two-step, cotton-eyed toe, schottische and heel-tow polka. Includes partner dancing developing a country western dance style. Previous dance experience is not required.

HLA 1850 Country Western Dance II 1
Prerequisite: HLA 1840 or instructor approval. Includes pony swing, east coast swing, waltz, two-step and line dances. Covers patterns, techniques and style performed at an intermediate level, making the class more challenging and fun.

HLA 1870 Folk Dance 1
Includes music, dances steps and styles of folk dances from different countries. Covers basic folk dance formations, positions and terminology. Previous dance experience is not required.

HLA 1905 Yoga I 1
Introduction to hatha yoga stretching, breathing and relaxation techniques. Designed for stress management. Meditation, peace of mind and self awareness.

HLA 1910 Yoga II 1
Prerequisite: HLA 1905 or instructor approval. Intermediate instruction in hatha yoga techniques. Covers New asanas, pranayamas and meditations.

HLA 1930 Kung Fu I 1
Introduction to the basics of traditional Chinese hung gai kung fu. Includes development of strength, balance and form. Covers self-defense, philosophy and practice. Includes grappling techniques, chi kung and meditation.

HLA 1940 Kung Fu II 1
Prerequisite: HLA 1930 or instructor approval. The continued study of hung gai techniques and basics. Includes chi kung, conditioning, self-defense and intermediated shaolin. Instruction includes grappling techniques.

HLA 1960 Taekwon-Do I 1
Introduction in the martial arts of taekwon-do introduces basic techniques, skills, conditioning and self-defense movements. Provides opportunity to become proficient in kicking, blocking, punching and self-defense techniques.

HLA 1961 Taekwon-Do II 1
Prerequisite: HLA 1960 or instructor approval. Continuation of HLA 1960. with emphasis on intermediate skill technique, body conditioning and self-defense. Students will perform intermediate kicks, blocks, patterns and board breaking. Includes class participation and demonstrations.

HLA 1962 Taekwon-Do III 1
Prerequisite: HLA 1970 or instructor approval. Covers advanced levels of skill technique, body conditioning and self-defense movements. Advanced techniques introduced according to students rank and level of experience. Covers advanced kicks, blocks, patterns and board breaking.

HLA 1980 Tai Chi 1
Introduction in the incorporation of the fundamentals of martial arts into an exercise program rather than a combative program. Includes wellness and healthy lifestyle concepts.

HLA 2100 Intro to Health PE Rec & Dance 2
Introductory course covering the history, philosophy, theory and practice of the health, physical education, recreation and dance field. Career opportunities will be identified. Course includes wellness and healthy lifestyle concepts.

HLA 2110 Principles of Weight Training 1
Advanced course designed to provide students with the opportunity to become skilled in the use of free weights, weight machines and exercise apparatus. Will apply training fundamentals to careers in exercise, sports and health.

HLA 2620 Physical Ed in Elementary School 2
For elementary education majors, elementary teachers and early childhood development personnel. Covers planning, organizing and teaching physical education to elementary-age children. Examines basic motor skills and movement.

HLTH 1020 Foundations of Nutrition 3
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
A comprehensive examination of the personal, social, health, political and economic effects of substance use and abuse in the United States. Studies the impact of alcohol and other drugs on the individual, family, and society as a whole.

HLTH 1105 Healthy Body Image/Weight Mgmt 2
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 1200 First Aid and Safety 3
Course follows American Red Cross Responding to Emergency guidelines and leads to first aid and CPR certification.

HLTH 1250 Stress Management 2
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
Intro to mind/body potential for alleviating illness and improving health. Covers relaxation tech, guided imagery, & other alternative methods. Includes psychoneuroimmunology and support systems with practical application.

HLTH 1260 21st Century Medicine 3
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 1400 Intro Personal Trng Group Excercise Inst 2
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
Students will learn to use the tools available in assessing and evaluating the physical fitness level of their clients. Students will be introduced to assessment computer software and learn to administer and interpret the results.

HLTH 1410 Aerobics Instructor Training I 3
Prerequisite: HLTH 1400 or instructor approval. Students learn dynamics of teaching kickboxing, step, interval and circuit classes that combine cardio and strength workouts. Students learn to design & lead an exercise class using safety, proper technique, cueing & music coordination.

HLTH 1500 Lifetime Wellness/Fitness (ID) 3
Students become active participants responsible for achieving a higher level of wellness in the physical, mental, emotional, social, and spiritual areas of their lives. An interdisciplinary, service learning course.

HLTH 2020 Nutrition for the Life Cycle 3
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
Prerequisite: HLTH 1020 and HLTH 2020 recommended. Examines advances fitness and sport nutrition issues. Includes physiological and lifestyle practices of athletes and fitness participants. Covers ergogenic aids and nutrient metabolism for optical athletic performance.

HLTH 2100 Fitness Motiv./Behav Response 3
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 2200 Kinesiology 3
Prerequisite: BIOL 1110. This course will focus on the anatomical, physiological and mechanical principles as they are applied to human movement.

HLTH 2250 Exercise Physiology 3
Concerned with the functioning and subsequent adaptation of the human body to stress of physical activity and exercise. This course will explore these adaptations as well as the metabolic process of energy yielding pathways.

HLTH 2300 Emergency Medical Technician 10
11-weeks. Must be 18 years old. CPR certificate 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
Provides an understanding of the aging process and how it affects fitness and overall wellness. Students will assess and evaluate fitness level of aging population and design a training program that meets varying needs and resources.

HLTH 2410 Aerobics Instr. Training II 3
Prerequisite: HLTH 1410 or instructor approval. Students teach specialty group exercise classes: spinning, multiple step, strength/sculpting, boot camp, and stretch/ flexibility. Students design/lead an exercise class using safety, proper technique, cueing and music coordination.

HLTH 2420 Grp Exer Instructor Internship 2
Prerequisite: HLTH 2410 or instructor approval. Gives hands-on experience in a supervised setting to observe and teach group exercise classes. Students must meet 80 hours of onsite time to complete the internship. Sites include SLCC, fitness clubs and corporate fitness centers.

HLTH 2430 Designing Training Programs 3
Prerequisite: HLTH 1400, HLTH 2200. Provides health screening, needs assessment, fitness capacity, goal setting and effectiveness of training. Includes planning and implementing cardiorespiratory, strength, muscular endurance and flexibility programs.

HLTH 2435 Personal Fit Trainer Industry 3
Prerequisite: HLTH 2430. Introduce students to the personal fitness trainer industry. Includes certification, insurance & licensing requirements, professional responsibility, confidentiality, laws and ethics as they relate to the fitness industry.

HLTH 2450 Personal Trainer Internship 3
Prerequisite: Instructor approval. Under supervision, students will observe and assist in the fitness training of individuals. Students must complete 120 hours of onsite time to finish internship. Sites include SLCC, fitness clubs and corporate fitness centers.

HORT 0590 Beginning Floral Arranging 0
This is an exploration of floral design. Round, phased and live arrangements as well as the use of fresh, silk and dried flowers to create personal designs of professional quality will be taught.

HORT 0600 Advanced Floral Arranging 0
This is a further exploration of creative designs in European and Oriental products. As in the beginning class, students will be able to take arrangements home with them.

HSS 1500 Therapeutic Recreation Tech 4
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.

HSS 2100 Supported Employment Training 3
Course provides overview of supported employment best practices including assessment strategies, job/task analysis training strategies, data collection, job development, ADA, Social Security, behavior supports, advocacy, SE funding.

HSS 2110 Supported Employment Practicum 1
Prerequisite: Concurrent with HSS 2100. Taken concurrently with HSS 2100, students are provided with experience providing supported employment services to people with disabilities who are working in competitive employment settings.

HUMA 1100 Intro to the Humanities (HU) 3
This course explores the humanities through the arts and intellectual traditions, showing how they relate to concurrent societies. It includes critical discussion of art forms (visual art, music, literature, drama and film).

HUMA 1200 Philosophy of Work (ID) 3
This course explores attitudes toward work across cultures and time as well as the intersecting roles of community and the individual in various theories of work. This course may be taught with a service-learning component.

HUMA 1300 Dev/West Civ-Anc to Ren (HU) 3
This historical survey of major cultural achievements of Western Civilization introduces major figures and events that have stimulated philosophical, artistic and political movements influential in Western value systems.

HUMA 1310 Dev/West Civ-Ren -Modern (HU) 3
This is a continued historical survey of Western thought, including the major cultural influences on our own contemporary world.

HUMA 1900 Special Studies in Humanities 1-3
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
Prerequisite: Sophomore standing with minimum GPA 2.0. Supervised work experience in a business, industrial, non-profit 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 Texts & Mythologies (HU) 3
This course examines the sacred texts and oral narrations of diverse world cultures. Texts and narrations, both written and oral, from a variety of literate and non-literate cultures will be explored.

HUMA 2130 Philosophy in Literature (ID) 3
Students will study major eastern and western philosophical movements that have influenced world literary classics. Writers as diverse as Plato, Voltaire, Thoreau, Nietzsche, Tolstoi and Sartre will be discussed.

HUMA 2210 Intro to Russian Culture (ID) 3
This course explores the history, literature, politics, religion, arts and science of Russia and the former Soviet Union. It surveys the way of life in contemporary Russia against this backdrop.

HUMA 2220 Polynesian Studies (HU) 3
This course provides students with an overview of the geography, history and contemporary concerns of Polynesia through literature, art, music, film and philosophy.

HUMA 2301 Great Books I (HU) 2
This is an interdisciplinary examination of writers and thinkers who probe man's nature and situation. It is the first series of the Adult Great Books program.

HUMA 2302 Great Books II (HU) 2
This is an interdisciplinary examination of writers and thinkers who probe man's nature and situation. It is the second series of the Adult Great Books program.

HUMA 2350 History & Philosophy/Religion(HU) 3
This course surveys a range of religious views of the cosmos and their accompanying methods for living. The course looks at the world's major religious, philosophical and spiritual views and practices.

HUMA 2500 Future Studies (ID) 3
This is an examination of changes in society and current and probable trends which will affect society in the future. Students examine various ways of looking at change and developing visions of the future.

HUMA 2600 Decade of the '60s (HU) 3
Students will study the major social, cultural, political and artistic events and contributions of this important decade. Course will emphasize the Vietnam War, civil rights and environmental movements.

HVAC 1110 HVAC IA 5
Prerequisite: 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
Prerequisite: 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
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
Prerequisite: HVAC 1210. Reading and interpreting of HVAC system blueprints to design and install HVAC layout, fabricate and install common sheet metal duct fittings.

HVAC 1470 Math Basics for HVAC 5
Prerequisite: MATH 092 or MATH 095 or equivalent. This is a customized course in applied mathematics for the trades including algebraic and trigonometric functions.

HVAC 2000 Heat, Vent, Air Specialties 5
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
Prerequisite: HVAC 1120. Electron theory, AC and DC current, ohm's law, series and parallel circuits, operation of gas furnaces, basic heat and cool controls & balance equipment. ICE Residential & Light Commercial Air-Conditioning and Heating Certification tests.

HVAC 2320 HVAC IIIB 5
Prerequisite: 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
Prerequisite: HVAC 2320. Fan types, measure air flow, volume & 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
Prerequisite: HVAC 2410. Electronic components and control systems in electro-mechanical, pneumatic, electronic and DDC. Principles of psychometrics, humidification, desiccant cooling and dehumidification.

IEC 1110 Electricity I A 5
Electrical materials and devices, safety on the job site and handling of tools and equipments. Math for electricians and electrical code including definitions and basic direct current fundamentals.

IEC 1120 Electricity I B 5
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.

IEC 1210 Electricity II A 5
This is the continued study of direct current fundamentals and theory. It includes applied math for electricians, capacitance and impedance, series circuits and resistance.

IEC 1220 Electricity II B 5
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.

IEC 1470 Math for the Trades 5
This is a customized electricians' course in applied mathematics for the trades including algebraic and trigonometric functions.

IEC 2000 Electrical CO-OP 2-4
College credit for experience on the job site. Arranged in advance. Requirements are determined by the employer.

IEC 2310 Electricity III A 5
This course provides instruction in heating and air conditioning, continued math for electricians, and introduce instrumentation. Further instruction in National Electrical Code and testing equipment is provided.

IEC 2320 Electricity III B 5
This course covers advanced motor controls theory and application, transformers, and specialty applications. Instruction is also provided in electronics and continuation of math for electricians.

IEC 2410 Electricity IV A 5
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.

IEC 2420 Electricity IV B 5
Math for electricians including vectors and trigonometric functions. Various circuits, power sources and supply, advanced motor and motor control. National Electrical Code is included.

IEC 2510 Electricity V A 5
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.

IEC 2520 Electricity V B 5
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.

IND 1110 Industrial Electronics 2
Prerequisite: IND 1120. Industrial electronics is designed to introduce students to fundamental trouble shooting concepts in basic DC circuits. It involves DVOM training and work with series, parallel, and combined circuits.

IND 1120 Math for Industry 3
Math for industry provides training in elementary math skills that are required for various vocational areas. The course is designed to teach students how to apply basic math skills to problems in the work place.

IND 1130 Math for Welders 3
Prerequisite: IND 1120. Math for welders is designed to help students apply fundamental math skills to practical workplace problems.

IND 1140 Principles of Technology 3
Prerequisite: IND 1120. This course provides training in basic principles of physics and applies physics principles to various vocational areas.

INST 2010 Applied Physics Elect/Instrum 4
Prerequisite: ELEC 1110. This course provides comprehensive and practical coverage of applied physics for students considering a technical career in Electrical and Instrumentation fields.

INST 2020 Applied Math II Elect/Instrrum 4
Prerequisite: ELEC 1110. This course allows students to develop advanced math skills in solving linear and simultaneous equations, quadratic equation, network theorems, number systems, and Boolean algebra.

INST 2030 Applied Math III-Electr/Instr 2
Prerequisite: ELEC 1110, INST 2020. Topics include: elements of calculus, such as derivative and integral, and their application in process control.

INST 2110 Electronic Circuits I 2
This course introduces network theorems, diodes, zeners, LEDs and bipolar transistors. Power supplies will be covered This course will introduce the use of computers and computer simulation software.

INST 2120 Intro to Instrumentation 2
Prerequisites: INST 2010, or concurrent. This course will allow students to become familiar with the numerous instrument systems and the process variables that are measured and controlled in industry.

INST 2130 Electronic Circuits II 2
Prerequisite: INST 2110. This course is a continuation of ELEC-2160. FETs, thyristors and Op-amps will be studied. Frequency effects along with linear and non-linear amplifiers will be included. The use of computer simulation software will be continued.

INST 2140 Digital Devices 3
Prerequisite: ELEC 1150, ELEC 2110, INST 2130. This course introduces numbering systems, logic gates, combinational logic, sequential logic and an introduction to programmable logic controllers. Lab excercises include building and troubleshooting digital circuits.

INST 2160 Control System Documentation 1
Prerequisite: INST 2120. Topics include: symbols and identification associated with instruments; different types of instrumentation drawings, such as P&ID, loop diagrams, location plans, installation drawings; specification forms.

INST 2210 Pressure Level & Measurement 3
Prerequisite: INST 2120. Principles of pressure and level measurement and control are taught. Pressure gauges, conventional and Smart transmitters, ultrasonic instruments, manometers, their calibration, installation, and repair are covered.

INST 2220 Temperature Measurement 2
Prerequisite: Concurrent with INST 2120. Topics include: principles of temperature measurement and control in industrial processes; conventional and Smart temperature transmitters; calibration, installation, and repair temperature measuring instruments.

INST 2230 Process Controllers & Tuning 3
Prerequisite: INST 2120, INST 2240. The course provides students with a grasp of feedback control behavior with all its nuances. It also covers different methods of controller tuning and advanced regulatory control techniques.

INST 2240 Final Control Elements 2
Prerequisite: INST 2120. Topics include: different control valves and their accessories; actuators, positioners, including Smart valves sizing, selection and application; calibration, installation, and repair final control elements.

INST 2250 Analytical Instrument /Troubleshoot 3
Prerequisite: INST 2120. This course includes principles of analytical measurement and control, such as: conductivity, pH, density, humidity and gas analysis. Methods and techniques used for troubleshooting control loops and systems are taught.

INST 2260 Flow Measurement 2
Prerequisite: INST 2120. Students will learn primary and secondary flow measuring devices, including orifice plate, Venturi tube, magnetic and ultrasonic flowmeter. Selection, calibration, installation, and repair flowmeters are taught.

INST 2270 Instrument Calibration 2
Prerequisite: INST 2120, INST 2210, INST 2220, INST 2240. Topics include: concepts of error, accuracy, uncertainty, and their calculation; documented procedures for process instruments calibration; different calibrators and their use.

INST 2320 Distributed Control Systems 4
Prerequisite: INST 2230. This is a practical performance course using actual components of a DCS. Operation, troubleshooting and configuration, graphic design and actual operation of a DCS.

INST 2330 Programmable Control Applications 3
Prerequisites: ELEC 1230, INST 2140. This course is a continuation of ELEC-2140. Advanced topics will be presented, including but not limited to: analog I/O, math functions, timers, counters, etc. Rockwell RSLogix 500 programming software will be used in the labs.

INST 2410 CCST Prep, Level I, II, III 3
Prerequisite: Pretest. This course is a review of instrumentation concepts in preparation for taking the certification test of the ISA Certified Control System Technician program. It includes subjects relating to process control and instrumentation.

INST 2990 Studies in Instrumentation 1-3
Special Studies allows student to pursue unique interests not offered elsewhere within the program of study. Credit hours, subject, and course of study are determined and filed with the department after consulting with the instructor.

INTD 1010 Intro. to Interior Design 3
This course provides an overview of the interior design profession including principles and elements of design, furniture selection, accessories, lighting, fabrics and architectural finishes.

INTD 1200 Theory & Psychology of Color 3
This course reviews theories of color and their application, especially as it relates to psychological impacts of both residential and commercial settings.

INTD 1220 Drafting for Interior Designer 3
The tools, techniques & media used for drafting by interior designers are emphasized in this class. Space planning, working drawings, electrical plans & schedules are reviewed as well as applications in residential/ commercial projects.

INTD 1230 Historical Furnishings 3
This course is a survey of historical furnishings from ancient civilizations through the Victorian era, with special emphasis on French, English, and American periods.

INTD 1310 Prof. Practice/Interior Design 2
Prerequisite: INTD 1010, INTD 1200, INTD 1220, and INTD 1340. This course is an introduction to basic business principles involved in the interior design profession.

INTD 1320 Perspective and Rendering 2
Prerequisite: INTD 1220. This course emphasizes the techniques and media used by interior designers for perspective drawings and renderings.

INTD 1330 Contemporary Furnishings 3
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 1340 Materials & Components 3
Prerequisite: INTD 1010. A survey of properties, production, & use of textiles that are basic in apparel & household products. Included are an analysis of human-made and natural fibers, yarns, fabric construction, and finishes.

INTD 1350 ADA/Building Codes & Specs. 1
This course will focus on issues of accessibility. The Americans with Disabilities Act (ADA), the Fair Housing Act, & the International Building Code (IBC) will all be examined as they relate to issues & practices of Interior Designers.

INTD 1360 Lighting & Space Planning 3
Prerequisite: INTD 1010, INTD 1220. This course focuses on the scientific & aesthetic basis of light as it applies to interior environments and also analyzes the utilization of space, from rooms to buildings, as well as general zoning requirements.

INTD 1800 Special Projects 3
Prerequisite: Instructor approval. This course will teach the planning, preparastion and pres-entation of both portfolio and design projects. This class will culminate with a major presentation of a design project actually prepared during the semester.

INTD 1900 Senior Project & Portfolio 2
Prerequisites: All major course requirements. This course will teach the planning, preparation, and presentation of both a portfolio & design project. The class will culminate with a major presentation of a design project actually prepared during the term.

INTD 2000 Interior Design Internship 3
Prerequisite: Minimum of 15 cr. hours INTD. The course provides the opportunity to interact with a professional design studio or retail business in a working environment, under the combined supervision of an on-site supervisor and a college faculty member.

INTD 2900 Special Projects 2
Prerequisite: Instructor approval. This course will focus on students actually furnishing the model which the college builds each year.

ISA 1110 Ironworkers 1A 5
This course includes OSHA Outreach Training, MSILA New Miner Training, and specialized training for Steel Erection.

ISA 1120 Ironworkers 1B 5
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 2A 5
This course covers blueprint reading and the fundaments of construction and steel erection drawings.

ISA 1220 Ironworkers 2B 5
This course covers the fundamentals of planning, job layout, and steel erection.

ISA 2310 Ironworkers 3A 5
This course examines the basic fundamentals of welding.

ISA 2320 Ironworkers 3B 5
This course is a continuation of the basic fundamentals of welding.

ITL 1010 Beginning Italian I 5
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 survival and social situations. Lab attendance required.

ITL 1020 Beginning Italian II 5
Prerequisite: 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 survival and social situations. Lab attendance required.

ITL 1300 Beginning Conversation 1
Prerequisite: 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
Prerequisite: 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
Prerequisite: ITL 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.

ITL 2020 Intermediate Italian II 4
Prerequisite: ITL 1020 or instructor approval. Fourth 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.

ITL 2300 Conversation 1
Prerequisite: 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
Prerequisite: 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
Prerequisite: 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
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.

JEWL 1010 Jewelry:Culture&Creation (ID) 3
Jewelry has been a factor in the culture of many civilizations. JEWL 1010 teaches art and construction techniques. Students will design and create several unique jewelry pieces during the class using various techniques.

JPN 1010 Beginning Japanese I 5
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 survival and social situations. Lab attendance required.

JPN 1020 Beginning Japanese II 5
Prerequisite: 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 survival and social situations. Lab attendance required.

JPN 1300 Beginning Conversation 1
Prerequisite: 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
Prerequisite: 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
Prerequisite: JPN 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.

JPN 2020 Intermediate Japanese II 4
Prerequisite: JPN 1020 or instructor approval. Fourth 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.

JPN 2300 Conversation 1
Prerequisite: 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
Prerequisite: 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
Prerequisite: 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
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.

JRN 1900 Special Studies in Journalism 1-2
Students will work on special studies and projects in the area of journalism. Students plan areas of study and work with an instructor on an individual basis. Prerequisite: Department approval

JRN 2000 Journalism CO-OP/Internship 2-4
Supervised work experience in a journalism environment related to the student's communication program sequence. Credit awarded for successful completion of specific learning related to the job and to the program sequence. Prerequisite: Department approval

KABB 0100 Reading 0
Student tests in the classroom for proper placement in curriculum; gain comprehension and vocabulary skills on different levels; use computer aids, study grammar and spelling as it relates to reading and writing.

KABM 0100 Mathematics, Level 1 0
Student improves skills in basic arithmetic operations; makes gradual connections to more abstract relationships in applied math; does problem solving, analyzes and explores number patterns, computations, and pre-algebra.

KABM 0200 Mathematics, Level 2 0
Student improves skills in basic arithmetic operations, problem solving, and computation using fractions.

KABM 0300 Mathematics, Level 3 0
Student improves skills in basic arithmetic operations, problem solving, and computation using decimals.

KABM 0400 Mathematics, Level 4 0
Student improves skills in basic arithmetic operations, problem solving, and computation using percentages.

KABM 0500 Mathematics, Level 5 0
Student improves skills in basic arithmetic operations, problem solving, and computation using measurements and formulas.

KABM 0600 Mathematics, Level 6 0
Student improves skills in operations, problem solving, and computation using equations.

KABM 0700 Mathematics, Level 7 0
Student improves skills in operations, problem solving, and computation using ratios and proportions.

KABM 0800 Mathematics, Level 8 0
Students prepare for the GED Mathematics exam. Test-taking tips are presented in the course to lessen test anxiety and encourage confidence.

KABR 0100 Reading, Level 1 0
Student tests in the classroom for proper placement in curriculum; gain comprehension and vocabulary skills on different levels; use computer aids, study grammar and spelling as it relates to reading and writing.

KABR 0200 Reading, Level 2 0
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 this level of reading.

KABR 0300 Reading, Level 3 0
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 this level of reading.

KABR 0400 Reading, Level 4 0
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 this level of reading.

KABR 0500 Reading, Level 5 0
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 this level of reading.

KABR 0600 Reading, Level 6 0
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 this level of reading.

KABR 0700 Reading, Level 7 0
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 this level of reading.

KABR 0800 Reading, Level 8 0
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 this level of reading.

KABR 0900 Reading, Level 9 0
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 this level of reading.

KABR 0910 Integrated Learning Lab, Lev 9 0
Student receives supplementary computer-assisted instruction in math, reading comprehension, vocabulary, spelling, grammar, and GED subjects.

KACC 0110 Fundamentals of Electricity 0
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 0115 Fundamentals of Electricity 0
Prerequisite: Skills Center assessment. Students learn the fundamentals of electricity as applied to air conditioning, heating and refrigeration.

KACC 0120 Fundamentals of Refrigeration 0
Students learn refrigeration theory and hands-on experience as applied to domestic appliances. In addition, students learn low and medium temperature soldering and brazing techniques.

KACC 0125 Fundamentals of Refrigeration 0
Prerequisite: Skills Center assessment. Students learn refrigeration theory and hands-on experience as applied to domestic appliances. In addition, students learn low and medium temperature soldering and brazing techniques.

KACC 0130 Commercial Refrigeration/AC 0
This course includes light commercial theory and hands-on experience working on walk-in boxes (low and medium temp.), central air conditioning (domestic and light commercial), and heat load calculations.

KACC 0135 Commercial Refrigeration 0
Prerequisite: Skills Center assessment. Includes light commercial theory and hands-on experience working on walk-in boxes (low and medium temp.), central air conditioning (domestic and light commercial), and heat load calculation.

KACC 0140 Gas Fired Appliances Theory 0
Prerequisite: Skills Center assessment. Students learn the fundamentals of gas-fired appliances with theory and hands-on experience.

KACC 0150 Domestic Refrigeration 0
Prerequisite: Skills Center assessment. Includes domestic refrigeration theory and hands-on experience working on deomestic or household refrigerators and freezers.

KACC 0160 Air Conditioning Systems 0
Prerequisite: Skills Center assessment. Students will work with whole house, roof top, and auto air conditioning systems.

KACC 0170 Heat Load Calc. & EPA Test 0
Prerequisite: Skills Center assessment. Students learn how to calculate heat loss and sizing of air conditioning systems.

KACC 0290 Employment Workshop 0
Students learn job-seeking skills, resume writing, and interviewing skills necessary for job placement.

KACK 01110 Beginning Keyboarding 0
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.

KACK 0130 Ten-Key 0
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 0
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 0
The class covers professionalism as it pertains to attitude, ethics, communications, appearance, verbal presentation, conflict mgt./ resolution, problem-solving, team skills, telephone etiquette, notetaking, closing sales & life skills

KACK 0160 Keyboard Skill Building 0
Prerequisite: 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) 0
Prerequisite: KACK 0110, 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 0
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) 0
Prerequisite: 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) 0
Prerequisite: 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) 0
Prerequisite: KACK 0200. Hands-on simulations assist students in acquiring skills in importing and exporting data, using templates, formatting numbers, using named ranges, toolbars, macros, & analysis tools; auditing worksheets; collaborating with workgroups.

KACK 0220 Accounting (Modules 1 & 2) 0
Prerequisite: 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 0
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 0
Prerequisite: 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 0
Prerequisite: KACK 0140. Students will learn to use the QuickBooks software to its full potential. Pratical examples and exercises will show how to utilize functions that will allow you to record all regular and special transactions and produce reports.

KACK 0290 Employment Workshop 0
This course prepares students to find employment related to their training. It covers networking in the job market, writing resumes, giving proper responses in an interview, and keeping a job.

KALL 0110 Integrated Learning Lab 0
Students receive supplementary computer-assisted instruction in math, reading comprehension, vocabulary, spelling, grammar, and GED subjects.

KASV 0100 Reading-Math-Test Prep 0
Student meeting requirements of ABLE score 8.0 in comprehension & vocabulary takes math SCIL lab & ASVAB; student not meeting requirements takes math, reading, SCIL lab classes for ASVAB; includes diagnostic & practice test.

KBHR 0110 Beginning Keyboarding 0
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.

KBHR 0130 Ten-Key 0
Students learn basic ten-key calculator concepts and applications using the touch method.

KBHR 0140 Computer Concepts/Windows 0
Prerequisite: KBHR 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.

KBHR 0150 Customer Service/Life Skills 0
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.

KBHR 0160 Keyboard Skill Building 0
Prerequisite: KBHR 0110. This course reinforces the touch method of keyboarding, with emphasis on attaining the speed, accuracy, and knowledge necessary for an entry-level job.

KBHR 0170 Word Processing (MS Word Core) 0
Prerequisite: KBHR 0110, KBHR 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.

KBHR 0190 Medical Terminology 0
Through lecture and video presentations, students learn 300 medical elements (roots, suffixes, and prefixes), with emphasis on pronunciation, definitions, and usage.

KBHR 0200 Medical Filing 0
This class covers basic concepts and rules governing medical filing including the correct use of terminology. Both theory and practical applications are covered.

KBHR 0220 ICD-9 Coding 0
Prerequisite: KBHR 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.

KBHR 0230 Medical Office Procedures 0
Students learn time-management techniques, team skills, reprographic resources, office mechanics, and other basic skills required in a medical office or hospital.

KBHR 0240 Medical Acctg/Patient Software 0
Prerequisite: KBHR 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.

KBHR 0280 Cooperative Externship 0
The externship consists of 120 hours of work experience in a cooperative medical facility. Students will assemble and file patient files according to departmental coding system, fax records, purge records, pull and refile charts.

KBHR 0290 Employment Workshop 0
This course prepares students to find employment related to their training. It covers networking in the job market, writing resumes, giving proper responses in an interview, and keeping a job.

KCBS 0110 Keyboarding 0
Students learn touch keyboarding with a minimum of 20 words per minute.

KCBS 0120 Hardware and Software 0
Students learn basic computer architecture including hardware and software and how these elements are managed by the user.

KCBS 0130 Disk Operating System (DOS) 0
This course introduces students to Disk Operating system (DOS) and teaches students to use DOS commands to maintain and manage the computer. Students use the command line commands and write a simple batch file.

KCBS 0140 Windows and Operating Systems 0
Students learn how to use Windows 9X, Windows NT-2000 and receive an introduction to Linux and Unix operating systems.

KCBS 0150 Internet and Email 0
Students learn to use the internet as a tool for research and troubleshooting. Students will surf the internet, subscribe to an email service, and use email.

KCDL 0100 CDL Learner's Permit 0
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 0110 CDL License Refresher Course 0-99
Refresher course to improve skills in shifting, driving, backing, pre-trip inspections, log books, brake adjustments, or others as coordinated with the instructor. Students may also upgrade from a C or B license to an A license.

KCDL 0120 CDL License Upgrade 0
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.

KCHR 0110 ESL Carpentry/Life Skills 0
Students learn English vocabulary and conversation used in the construction trades. Instruction centers on life and employability skills in addition to the applied math and other related vocational skills required to build a structure from the foundation up.

KCHR 0120 HazMat Removal and Safety 0
Students will learn the safe handling and removal of hazardous waste, lead, and asbestos. Students will learn how to read and understand MSDS (Material Safety Data Sheets). Students will also learn how to work safely in confined spaces.

KCHR 0290 Employment Workshop 0
Students participate in workshops designed to assist them in obtaining training-related employment. Students receive assistance in interviewing, application/resume writing, job search strategies, and employment assistance.

KCMS 0110 Computer Technology Basics 0
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 0120 Operating System Technologies 0
Students study installation, configuration, diagnosis, an troubleshooting computer system operating systems, including Dos/Win9x/WinNT-2000, and the Internet. Students prepare for the A+ Operating System Technology Certification Exam.

KCMS 0130 A+ Core Exam Module 0
Students study techniques and practices for installation, configuration, diagnosis and troubleshooting, computer system hardware including memory expansion, disk drives, networks. Students prepare for A+ Core certification exam.

KCMS 0200 Cooperative Internship -Elect. 0
Students participate in cooperative internship with a local company. Student and instructor work with a company to insure students complete specific tasks and assignments in a workplace environment to enhance their competency.

KCMS 0210 Networking Technologies-Elect. 0
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 0220 Server Hardware - Elective 0
Students gain in-depth knowledge of servers: security, disaster recovery, hardware/software/network configuration, storage/transfer technologies, network protocols (TCP/IP,SNA SPX/IPX, SNMP.) Prepares student for Server+ Certification.

KCMS 0230 Internet Technician - Elective 0
Students learn Internet basics, clients, development including html, MS FrontPage, introduction to C++//Java/VB/ JavaScript, Internet Security, business concepts, and network technology. Students study for I-Net+ Certification.

KCMS 0290 Employment Workshop 0
Students participate in workshops designed to assist them in obtaining training-related employment. Students receive assistance in interviewing, application/resume writing, job search strategies, and employment assistance.

KCSR 0110 Beginning Keyboarding 0
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.

KCSR 0120 Data Entry 0
Prerequisite: KCSR 0110. Students learn data-entry terminology and how to enter alphanumeric data in fields of varying lengths, while striving to improve their speed and accuracy.

KCSR 0130 Ten-Key 0
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.

KCSR 0140 Computer Concepts/Windows 0
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.

KCSR 0150 Customer Service/Life Skills 0
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.

KCSR 0160 Keyboard Skill Building 0
Prerequisite: KCSR 0110. This course reinforces the touch method of keyboarding, with emphasis on attaining the speed, accuracy, and knowledge necessary for an entry-level job.

KCSR 0170 Into to Word Processing (Word) 0
Prerequisite: KCSR 0110, KCSR 0140. Students learn basic word-processing skills including formatting, editiing, proofing, saving, and printing documents.

KCSR 0180 Intro-Business Communications 0
Students learn elementary principles of English grammar, spelling, sentence structure and paragraph writing, proofreading, and introductory dictionary and reference manual usage.

KCSR 0290 Employment Workshop 0
This course prepares students to find employment related to their training. It covers networking in the job market, writing resumes, giving proper responses in an interview, and keeping a job.

KDDM 0110 Heavy Duty Drivetrains 0
Theory and lab 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.

KDDM 0120 Basic Diesel Engines 0
Theory and lab instruction in safety, theory, operation, trouble-shooting and repair maintenance. Part nomenclature for both 2-cycle and 4-cycle engines as well as tear-down and rebuilding of these engines is included.

KDDM 0130 Preventive Maintenance 0
Theory and lab instruction in preventive maintenance and service of heavy duty equipment.

KDDM 0210 Heavy Duty Electrical - Elect. 0
Theory and lab instruction in basic electronics, magnetism, electronic controls, operation, maintenance, testing, troubleshooting & repair of all electrical units. Basic operation, maintenance & repair of air conditioning units.

KDDM 0220 Advanced Diesel Engines-Elect. 0
Theory and lab instruction in the tune-up, trouble-shooting and maintenance of 2-cycle & 4-cycle diesel engines with emphasis on all systems, including operation, diagnostics, repair of electronic and computerized-engine controls.

KDDM 0230 Heavy Duty Hydraulics-Elective 0
Classroom and lab instruction in fundamentals, principles, and components of mobile hydraulic systems.

KDDM 0240 Welding - Elective 0
Theory and practical hands-on application of oxy-acetylene arc welding.

KDDM 0290 Employment Workshop 0
Students participate in workshops designed to assist them in obtaining training-related employment. Students receive assistance in interviewing, application/resume writing, job search strategies, and employment assistance.

KDEM 0110 Beginning Keyboarding 0
This course teaches the efficient operation of the keybaord, including the touch method of operation (not looking at the keyboard), correct techniques, and correct fingering.

KDEM 0130 Ten-Key 0
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 medical billing position.

KDEM 0140 Computer Concepts/Windows 0
Prerequisite: KDEM 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.

KDEM 0150 Customer Service/Life Skills 0
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.

KDEM 0160 Keyboard Skill Building 0
Prerequisite: KDEM 0110. This course reinforces the touch method of keyboarding, with emphasis on attaining the speed, accuracy, and knowledge necessary for an entry-level job.

KDEM 0170 Word Processing (MS Word Core) 0
Prerequisite: KDEM 0110, KDEM 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 Certificate Exam.

KDEM 0190 Medical Terminology 0
Through lecture and video presentations, students learn 300 medical elements (roots, suffixes, and prefixes), with emphasis on pronunciation, definitions, and usage.

KDEM 0200 Medical Filing 0
This class covers basic concepts and rules governing medical filing including the correct use of terminology. Both theory and practical applications are covered.

KDEM 0210 Anatomy/Medical Coding,Billing 0
Prerequisite: KDEM 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 & systems.

KDEM 0220 ICD-9 Coding 0
Prerequisite: KDEM 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.

KDEM 0230 Intro to HCPCS/CPT Coding 0
Prerequisite: KDEM 0190, KDEM 0220. Students learn basic concepts & rules governing the use of procedural coding for the medical billing process. Lecture and practical application using the CPT and HCPCS books are applied. Not designed for national AACP test preparation.

KDEM 0240 Medical Acctg/Patient Software 0
Prerequisite: KDEM 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.

KDEM 0250 QuickBooks 0
Prerequisite: KDEM 0140. Students will learn to use the QuickBooks software to its full potential. Practical examples and exercises will show students how to utilize functions allowing recording of all regular and special transactions and produce reports.

KDEM 0280 Cooperative Externship 0
The externship consists of 100 hours of work experience in an approved medical facility. Emphasis will be placed on the medical billing process.

KDEM 0290 Employment Workshop 0
This course prepares students to find employment related to their training. It covers networking in teh job market, writing resumes, giving proper responses in an interview, and keeping a job.

KDST 0245 Welding 0

KDST 0290 Employment Workshop 0
Students participate in workshops designed to assist them in obtaining training-related employment. Students receive assistance in interviewing, application/resume writing, job search strategies, and employment assistance.

KDST 0340 Safety/Basic Diesel Theory 0
Prerequisite: concurrent w/ DST 0350. Instruction in the theory of workplace safety, operation, parts nomenclature of both 2- and 4-cycle engines, use of measuring devices and fastener types. Combustion systems and engine sub-assemblies will be covered.

KDST 0350 Safety/Basic Diesel Lab 0
Prerequisite: concurrent w/ DST 0340. Practical experience in disassembly, inspection and re-assembly of both 2- and 4-cycle engines; sub-assemblies for different engine systems; running and tuning-up engines from different manufacturers.

KDST 0360 Safety/Basic Eng Perform Th 0
Prerequisite: concurrent w/ KDST 0370. Instruction in safety, trouble-shooting, and repair maintenance. Includes parts nomenclature of both 2-cycle and 4-cycle engines, hydro-mechanical fuel-injection system operation, and maintenance of these systems.

KDST 0370 Safety/Basic Eng Perform Lab 0
Prerequisite: concurrent w/ DST 0360. Practical experience in disassembly, inspection, reassembly of both 2- and 4-cycle diesel engines. Subassembly's for different engine systems will also be covered, as well as troubleshooting engine performance problems.

KDST 0440 Preventive Maintenance Brake Theory 0
Lecture in preventive maintenance & servicing of heavy-duty trucks and equipment. Includes general preventive maintenance inspections A, B, C, & D, truck systems servicing, and shop safety procedures.

KDST 0450 Preventive Maint. Brake Lab 0
Hands-on experience in preventive maintenance and servicing of heavy-duty trucks and equipment. Includes general preventive maintenance inspections A, B, C, & D; truck systems servicing and shop safety procedures.

KDST 0460 Prevent. Maint. Elect. Theory 0
Lecture in preventive maintenance & servicing of heavy-duty trucks and equipment. Includes batteries & electrical systems, drive line, U-joints, chassis & suspension systems and shop safety procedures.

KDST 0470 Prevent. Maint. Elect. Lab 0
Hands-on practice in preventive maintenance and servicing of heavy-duty trucks and equipment. Includes batteries and electrical systems, drive line, U-joints, chassis and suspension systems and shop safety procedures.

KDST 0540 Drivetrains/Gear Drives Theory 0
Prerequisite: concurrent w/ KDST 0550. Classroom instruction in clutch, twin countershaft manual transmissions, differentials, theory and operation; includes preventive maintenance and troubleshooting.

KDST 0550 Drivetrains/Gear Drives Lab 0
Prerequisite: concurrent w/ KDST 0540. Classroom/lab instruction in clutch, twin countershaft manual transmissions, differential, theory and operation. Track-type undercarriage will also be covered.

KDST 0560 Drivetrains/Fluid Drives Theory 0
Prerequisite: concurrent w/ KDST 0570. Classroom instruction in torque converter, automatic transmission, final drives, theory and operation; track-type undercarriage. Preventive maintenance and troubleshooting will be covered.

KDST 0570 Drivetrains/Fluid Drives Lab 0
Prerequisite: concurrent with KDST 0560. Classroom/lab instruction in torque converter, automatic transmissions, and final drives, theory and operation. Track type undercarriage will also be covered.

KELA 0150 Universal Assembly and Repair 0
Learn through-hole solder fundamentals, theory, rework/ repair techniques, component identification, wire solder, component installation, and setup and use of soldering workstations.

KELA 0160 Surface Mount Technology 0
Learn theory, installation and quality workmanship methods involved in surface mount technologies (SMT), including component identification, placement, and other associated soldering techniques

KELA 0170 IPC-A-610C Worker Proficiency Mod. 0
Students prepare for the IPC-A-610C Worker Proficiency Standards Certification test which includes soldering, soldering criteria, wires, PCB, and components. The certification test is included in the course.

KELA 0290 Employment Workshop 0
Students learn job seeking skills, resume writing , and interviewing skills necessary for job placement.

KESL 0110 Level 1 - Beginning Grammar 0
Prerequisite: A score of 0-20 on the CELSA test. Introduction to basic parts of speech and verb forms.

KESL 0120 Level 1-Begin Read/Write/Speak 0
Introduction to basic reading, writing, and communication skills.

KESL 0140 SCIL Language Lab 0
Individualized placement and practice of spelling, pronunciation, grammar, vocabulary, reading, writing, and keyboarding.

KESL 0210 Level 2-Intermediate Grammar 0
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 0220 Level 2-Intermediate Read/Write/Speak 0
Intermediate practice of reading and writing skills; vocabulary development; communication skills; cultural awareness.

KESL 0240 SCIL Language Lab 0
Individualized placement and practice of spelling, pronunciation, grammar, vocabulary, reading, writing, and keyboarding. Cultural awareness, current events and issues are discussed. Pronounciation and fluid oral production are practiced.

KESL 0250 Level 2-Inter Listen/Note-take 0
Introduce and develop listening strategies, note-taking and organizational skills, vocabulary building, and speaking abilities in various contexts.

KESL 0310 Level 3-Advanced Grammar 0
Advanced grammatical and complex sentence structures: verb tense review; passive; complete modal usage; gerunds and infinitives; conditionals.

KESL 0320 Level 3-Adv, Read/Write/Speak 0
Skills are refined by reading different styles and points of view, vocabulary building, essay writing, listening activities, and oral presentations.

KESL 0340 SCIL Language Lab 0
Individualized placement and practice of spelling, pronunciation, grammar, vocabulary, reading, writing, and keyboarding. Cultural awareness, current events and issues are discussed. Pronounciation and fluid oral production are practiced.

KESL 0350 Level 3-Adv. Listen/Note-take 0
Refine listening strategies, note-taking and organizational skills, academic vocabulary building, cooperative speaking activities, and test-taking skills.

KESL 0420 Level 1-Begin Read/Write/Speak 0
Introduction to basic reading, writing, and speaking skills.

KESL 0450 Language Lab 0
Prerequisite: CELSA 0-66. Computer-aided instruction and/or communicative activities to develop fluency.

KESL 0510 Level 2 - Intermed. Grammar 0
Fundamentals of parts-of-speech, sentence word order, and simple verb tenses are studied and practiced.

KESL 0720 Pre-College Reading/Writing 0
Thorough review of English grammar as needed for reading and writing; advanced reading and vocabulary skills; summaries; essays.

KESL 0730 Pre-College Listening/Speaking 0
Note-taking skills; lecture comprehension; prepared speeches; community service learning.

KESL 0740 Pre-College Computer Skills 0
Introduction and practice as needed for college success: word processing, e-mail, internet.

KESL 0750 Pre-College Workshop 0
Pronunciation, debate, particular grammar points, vocabulary, etc. Student needs and interests determine actual curriculum.

KET2 0115 Electronics Assembly 0
This project-oriented course provides basic assembly skills normally required of electronics technicians over and throughout the electronics industry. Students learn soldering (through-hole and surface-mount) techniques.

KET2 0120 Eectronic Math 0
Students solve electronics problems using functions, graphs, and graphical solutions used in circuitry, including quadratic equations, systems of equations, matrices, determinants, trigonometry,algebra, and inequalities

KET2 0130 Direct Current Electronics 0
Students learn basic electronics theory, units of measure, OHMS law, introductory network theorems and laws, series and parallel resistive combinations, RC networks, and use of oscilloscopes and meters.

KET2 0145 Alternating Current Electronics 0
Students learn basic AC theory, units of measure, OHMs law for AC circuits, series, parallel, resonant circuits, reactance, and use of common electronics test equipment such as Oscilloscopes, meters, and signal generators.

KET2 0155 Devices and Circuits 0
This course introduces basic theory of digital circuits including binary, octal, hexadecimal numbering systems, tables, digital logic devices, counters, sequential logic, and A/D, D/A conversion.

KET2 0165 Digital Electronics 0
This course introduces basic theory of digital circuits including binary, octal, hexadecimal numbering systems, tables, digital logic devices, counters, sequential logic, and A/D, D/A conversion.

KET2 0170 Computer Technology Basics 0
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 Email.

KET2 0210 Micro. Fundamentals - Elective 0
Students learn basic computer hardware (motherboards, CPUs, buses, memory, and disk drives) and software (DOS, Windows 9x, and Windows NT-2000), as well as Internet hardware and software.

KET2 0220 Coop. Internship - Elective 0
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 0230 Electr. Troubleshooting-Elective 0
Covers principles, techniques, and procedures for trouble-shooting electronics equipment, including power supplies, audio and RF systems, analog, and digital systems. Emphasis is placed on the use of test equipment.

KET2 0240 ISCET Exam Prep. - Elective 0
A review of electronics theory and applications to practical problems and solutions. Computerized tutorials prepare students for the industry recognized Certified Electronics Technician (CET) Associate level examination.

KET2 0290 Employment Workshop 0
Students participate in workshops designed to assist them in obtaining training-related employment. Students receive assistance in interviewing, application/resume writing, job search strategies, and employment assistance.

KGED 0100 GED Prep, Lang. Arts, Writing 0
Student prepares for GED test in 5 subject areas: writing, science, social studies, literature and arts, math; course includes diagnostic and practice tests.

KGED 0200 GED Prep, Social Studies 0
Students prepare for the GED Social Studies Exam. Test-taking tips are presented in the course to lessen test anxiety and encourage confidence.

KGED 0300 GED Prep, Science 0
Students prepare for the GED Science Exam. Test-taking tips are presented in the course to lessen test anxiety and encourage confidence.

KGED 0400 GED Prep, Lang. Arts, Read/Lit 0
Students prepare for the GED Language Arts/Reading Exam. Test-taking tips are presented in the course to lessen test anxiety and encourage confidence.

KGED 0500 Language Arts/Writing 0
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.

KGNC 0100 Basic Business Math 0
Students learn basic business math, i.e., averages and percentages and converting fractions & decimals. Students complete business tasks including payroll and deductions, cost, discounts, taxes, interest, and bank statements.

KGNC 0110 Beginning Keyboarding 0
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.

KGNC 0120 Data Entry 0
Prerequisite: KGNC 0110. Students learn data-entry terminology and how to enter alphanumeric data in fields of varying lengths, while striving to improve their speed and accuracy.

KGNC 0130 Ten-Key 0
Prerequisite: KGNC 0100. 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.

KGNC 0140 Computer Concepts/Windows 0
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.

KGNC 0150 Customer Service/Life Skills 0
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.

KGNC 0160 Keyboard Skill Building 0
Prerequisite: KGNC 0110. This course reinforces the touch method of keyboarding, with emphasis on attaining the speed, accuracy, and knowledge necessary for an entry-level job.

KGNC 0170 Word Processing (MS Word Core) 0
Prerequisite: KGNC 0110, KGNC 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.

KGNC 0200 Business Terminology 0
Students learn to recognize, pronounce, spell, define, understand, and accurately use basic business terms.

KGNC 0210 Business Language Comp. Skills 0
Prerequisite: KGNC 0200. Students build on skills acquired in business terminology to read, understand, and follow instructions given in various business documents including e-mails, memos, letters, and reports.

KGNC 0220 Basic Elements of Bus. Writing 0
Prerequisite: KGNC 0210. Students build on skills acquired in business terminology and business language comprehension to learn the basic elements of business writing using professional terminology.

KGNC 0230 Business Communications 0
Prerequisite: KGNC 0220. Students learn principles of English grammar; spelling; paragraph, essay, letter, and memo writing; proofreading; and dictionary and reference manual usage.

KGNC 0290 Employment Workshop 0
This course prepares students to find employment related to their training. It covers networking in the job market, writing resumes, giving proper responses in an interview, and keeping a job.

KHUC 0110 Communications 0
Students learn basic communication for working as a member of the patient care team, including telephone, intercom, paging and interpersonal skills.

KHUC 0120 Medical Terminology 0
Learn basic anatomy, physiology, medical terminology and abbreviations needed for transcription of patient charts.

KHUC 0130 Organizing Patients' Charts 0
Students learn the principles associated with maintaining and organizing patient charts.

KHUC 0140 Transcribing Doctor's Orders 0
Learn techniques associated with transcribing doctor's orders regarding patient care. Students use medical terminology, basic medication information, and ordering diagnostic procedures through hospital information system.

KHUC 0150 Lab Instruction 0
Students practice transcribing doctor's orders, specimen handling, and tour a hospital laboratory.

KHUC 0200 Cooperative Externship 0
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.

KHUC 0290 Employment Workshop 0
Students participate in workshops designed to assist them in obtaining training-related employment. Students receive assistance in interviewing, application/resume writing, job search strategies, and employment assistance.

KLCK 0110 Line Cook Skills 0
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.

KLCK 0120 Vocabulary/Communica. Skills 0
Content includes vocabulary associated with the food service industry. Food preparation and food presentation is stressed as well as good communication skills.

KLNA 0110 Linux Fundamentals 0
Teaches core concepts required for working effectively in the Linux/Unix environment and lays a solid foundation for more advanced Linux topics.

KLNA 0120 Linux System Administration 0
Teaches in-depth administration skills required to plan, deploy, maintain, and troubleshoot Linux servers.

KLNA 0130 Linux Network Services 0
Prerequisite: Complete Computer Support Specialist Program, have CompTIA A+ certification, or obtain instructor approval.
Covers the theory, installation, configuration, and troubleshooting of six widely used network services: DNS, LDAP, Apache, FTP, Samba, and Mail servers.

KLNA 0290 Employment Workshop 0
Students participate in workshops designed to assist them in obtaining training-related employment. Students receive assistance in interviewing, application/resume writing, job search strategies, and employment assistance.

KLSS 0110 A+ Certifcation Module 0
Prepares students for the CompTIA A+ computer hardware and software exams.

KLSS 0120 Linux Fundamentals 0
Teaches core concepts required for working effectively in the Linux/Unix environment and lays a solid foundation for more advanced Linux topics.

KLSS 0130 Linux System Administration 0

KLSS 0210 Network + Exam Preparation 0
Prerequisite: Complete Computer Specialist Program, have CompTIA A+ certification, or instructor approval. Students learn basic computer networking terms and concepts, the OSI model, transmission media, and protocols as well as many various vender protocols used in LAN and WAN network implementation. Prepares student for Network+ Certification.

KLSS 0220 I-Net + 0
Prerequisite: Complete Computer Specialist Program, have CompTIA A+ certification, or instructor approval. Students learn Internet basics, clients, development including html, MS FrontPage, introduction to C++/Java/VB/JavaScript, Internet Security, Business concepts, and network technology. Students study for I-Net+ certification.

KLSS 0230 Microsoft MCP 70-210 0
Prerequisite: Complete Computer Specialist Program, have CompTIA A+ certification, or instructor approval. Prepares students for the Microsoft Windows 2000 Profession 70-210 exam.

KLSS 0290 Employment Workshop 0
Students participate in workshops designed to assist them in obtaining training-related employment. Students receive assistance in interviewing, application/resume writing, job search strategies, and employment assistance.

KMCP 0110 Beginning Keyboarding 0
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 0
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 0
Prerequisite: 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 0
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 0
Prerequisite: 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) 0
Prerequisite: KMCP 0110, 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 0
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
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 0
Prerequisite: 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 & systems.

KMCP 0220 ICD-9 Coding 0
Prerequisite: 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) 0
Prerequisite: KMCP 0190, KMCP 0210, KMCP 0220. Students learn concepts & rules for the use of procedural coding including advanced ICD-9, CPT, & HCPCS. Successful completion will prepare student to take the AACP and/or the AHIMA national coding certification tests.

KMCP 0240 Medical Acctg/Patient Software 0
Prerequisite: 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.

KMCP 0280 Cooperative Externship 0
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.

KMCP 0290 Employment Workshop 0
This course prepares students to find employment related to their training. It covers networking in teh job market, writing resumes, giving proper responses in an interview, and keeping a job.

KMNA 0110 Networking Technologies 0
Prerequisite: Completed Computer Support Specialist program, have CompTIA A+ cert., or instructor approval. Students learn basic computer networking terms and concepts, the OSI model, transmission media, and protocols as well as many various vender protocols used in LAN and WAN network implementation.

KMNA 0125 Configuring Windows Clients 0
Prerequisite: Completed Computer Support Specialist program, have CompTIA A+ certification, or instructor approval. Prepares students for MCSE exam 70-210: installing, configuring, and administering MS Windows 2000 Professional. Students learn to install, implement, administer, and troubleshoot Windows 2000 Professional information systems.

KMNA 0135 Server Environment Manager 0
Prerequisite: Complete Computer Support Specialist program, have CompTIA A+ cert., or instructor approval. Prepares students for MCSE exam 70-215. Students learn to install, implement, administer, and troubleshoot information systems running Windows 2000 Server.

KMNA 0150 Network Infrastructure 0
Prerequisite: Completed Computer Support Specialist program, have CompTIA A+ certification, or instructor approval. Students learn to install, manage, maintain, troubleshoot and secure Windows Server network services such as DHCP, DNS, RRAS, NAT, VPNs, Routers, and Wins. Prepares students for one of the required core MCSA exams.

KMNA 0205 Cooperative Internship 0
Prerequisite: Complete competencies for all other courses in KMNA. Students participate in cooperative internship with a local company. Student and instructor will work with compnay to ensure students complete specific tasks and assignments in a workplace environment to enhance their competency.

KMNA 0220 Extended Cert. Test. Prep. 0
Prerequisite: Completed Computer Support Specialist program, have CompTIA A+ certification, or instructor approval. Designed to help students continue preparations for taking the MCSA exams. A focus on test-taking strategies, research resources and techniques, and time management will be given.

KMNA 0295 Employment Workshop 0
Students participate in workshops designed to assist them in obtaining training-related employment. Students receive assistance in interviewing, application/resume writing, job search strategies, and employment assistance.

KNAS 0110 Patient Care Th/Lab Span-Engl 0
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 learning basic English medical vocabulary and conversation.

KNAS 0120 0
Students practice basic hands-on patient care at a local long-term care facility and hospital. This clinical assignment prepares students for the state Certified Nurse Assistant basic skills demonstration test.

KNAS 0130 0
Students learn the basic English medical terminology and conversation in an intensive classroom/lab setting.

KNAS 0290 0
Students participate in workshops designed to assist them in obtaining training-related employment. Students receive assistance in interviewing, application/resume writing, job search strategies, and employment assistance.

KNEG 0135 Configuring Windows Clients 0
Prerequisite: Complete Computer Support Specialist Program, have CompTIA A+ certification, or obtain instructor approval. Prepares students for MCSE exam 70-210: installing, configuring, and administering MS Windows 2000 Professional. Students learn to install, implement, administer, and troubleshoot Windows 2000 Professional information systems.

KNEG 0145 Server Environment Manager 0
Prerequisite: Complete Computer Support Specialist Program, have CompTIA A+ certification, or obtain instructor approval. Prepares students for MCSE exam 70-215. Students learn to install, implement, administer, and troubleshoot information systems running Windows 2000 Server.

KNEG 0150 Network Infrastructure 0
Prerequisite: Complete Computer Support Specialist program, have CompTIA A+ cert., or instructor approval. Students learn to install, manage, maintain, troubleshoot and secure Windows Server network services such as DHCP, DNS, RRAS, NAT, VPNs Routers, and Wins. Prepares students for one of the required core MCSE exams.

KNEG 0165 Administer Directory Services 0
Prerequisite: Complete Computer Support Specialist program, have CompTIA A+ certification, or instructor approval. Students learn to install, maintain, implement, and troubleshoot Windows Active Directory directory services in a Windows network environment. Topics include group policy, forest, site, domain, and OU administration. Prepares students for a core MCSE exam.

KNEG 0175 Designing Network Environments 0
Prerequisite: Complete Computer Support Specialist program, have CompTIA A+ cert., or instructor approval. Covers planning and designing network environments using Windows technologies to meet business requirements. Prepares students for the MCSE network design exam.

KNEG 0180 Planning the Infrastructure 0
Prerequisite: Complete Computer Support Specialist program, have CompTIA A+ cert., or instructor approval. Covers Network topology, routing, IP addressing, name resolution, virtual private networks, remote access, and telephony solutions. Prepares students for one of the MCSE core exams.

KNEG 0190 Network Security 0
Prerequisite: Complete Computer Support Specialist program, have CompTIA A+ certification, or instructor approval. Covers how to implement, manage, maintain, and troubleshoot security in a Windows Server environment. Topics include: securing the network and securing server services, including RRAS, network communication and Active Directory.

KNEG 0205 Cooperative Internship 0
Prerequisite: Complete competencies for all other courses in KNEG. Students participate in cooperative internship with a local company. Student and instructor will work with company to insure students complete specific tasks and assignments in a workplace environment to enhance their competency.

KNEG 0220 Extended Cert. Test. Prep. 0
Prerequisite: Complete Computer Support Specialist program, have CompTIA A+ certification, or instructor approval. Designed to help students continue preparations for taking the MCSA exams. A focus on test-taking strategies, reseearch resources and techniques, and time management will be given.

KNEG 0295 Employment Workshop 0
Students participate in workshops designed to assist them in obtaining training-related employment. Students receive assistance in interviewing, application/resume writing, job search strategies, and employment assistance.

KNRS 0110 Patient Care, Theory and Labs 0
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.

KNRS 0120 Patient Care Clinical 0
Students practice basic hands-on patient care at a local long-term care facility and hospital. This clinical assignment prepares students for the state Certified Nurse Assistant basic skills demonstration test.

KNRS 0290 Employment Workshop 0
Students participate in workshops designed to assist them in obtaining training-related employment. Students receive assistance in interviewing, application/resume writing, job search strategies, and employment assistance.

KOFC 0110 Beginning Keyboarding 0
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.

KOFC 0130 Ten-Key 0
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 0
Prerequisite: 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 0
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 0
Prerequisite: 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) 0
Prerequisite: KOFC 0110, 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) 0
Prerequisite: 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 0
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) 0
Prerequisite: 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) 0
Prerequisite: 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) 0
Prerequisite: 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 0
Prerequisite: KOFC 0140. Students will learn to use the QuickBooks software to its full potential. Practical examples and exercises will show how to utilize funcitons that will allow you to record all regular and special transactions and produce reports.

KOFC 0230 Office Procedures 0
Students learn business alphabetic filing skills and other basic office procedures.

KOFC 0290 Employment Workshop 0
This course prepares students to find employment related to their training. It covers networking in the job market, writing resumes, giving proper responses in an interview, and keeping a job.

KOIS 0130 Ten-Key Calculator 0
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.

KOIS 0145 Computer Concepts/Windows 0
This course teaches concepts and skills on computer basics, computer terminology, navigating and using Windows controls, managing files and folders, customizing the Windows work environment, and using the Internet and e-mail.

KOIS 0155 Customer Service 0
Covers professionalism as it pertains to attitude, ethics, communication skills, grammar skills, conflict management/resolution, problem-solving skills, proper telephone etiquette, and teamwork in a business environment.

KOIS 0165 Keyboard Skill Building 0
This course teaches the touch method of keyboarding, including correct fingering and typing techniques. It emphasizes building speed and accuracy and developing proofreading and editing skills.

KOIS 0170 Word Processing (MS Word) 0
Students will learn basic skills of using Word Processing as well as some of the most important topics of MS Word, such as: creating styles, outlines, tables, merging files, and integrating Word iwth other programs and the World Wide Web.

KOIS 0185 Business English 0
This course reviews essential elements of English grammar, usage, capitalization, and punctuation. Students also review spelling and vocabulary rules, dictionary and reference manual usage, and writing skills.

KOIS 0215 Spreadsheets (MS Excel) 0
Hands-on simulations assist students in acquiring skills which include creating, editing, manipulating, & formatting worksheets, charts, and graphics; working with formulas and functions; working with multiple worksheets and workbooks.

KOIS 0225 Accounting 0
This course presents the complete accounting cycle, which includes analyzing transactions, journalizing, posting, petty cash, financial statements, and adjusting and closing entries.

KOIS 0240 Presentations (MS PowerPoint) 0
Students learn to create and edit presentations, including inserting and editing graphics and objects, adding sound and animation, integrating PowerPoint with other programs and the World Wide Web.

KOIS 0255 Database (MS Access) 0
Students learn how to create and maintain database tables; define table relationships; create, run, and save queries; sort and filter records; create and customize forms and reports; and integrate Access with other programs.

KOIS 0270 Medical Terminology 0
Through lecture and video presentations, students learn 300 medical elements (roots, suffixes, and prefixes), with emphasis on pronunciation, definitions, and usage.

KOIS 0280 Computer-Assisted Accounting 0
Use of automated accounting software to reinforce/integrate basic accounting principles in a real-world simulation. Concepts include creating a company, entering, maintaining/ retrieving data from accounts/ journals, & preparing reports.

KOIS 0290 Employment Workshop 0
Students learn job-seeking skills, resume writing, and interviewing skills necessary for job placement.

KPDR 0150 Intro to Professional Driving 0
Prerequisite: current Motor Vehicle Report (MVR) with no DUIs within the past two years; current Department of Transportation (DOT) medical card. Program includes history and growth of the transportation industry, driver qualifications, safe driving techniques, state and federal laws, maintenance, and introduction to operation of tractor-trailer operation.

KPDR 0160 Intro to Vehicle and Trailer 0
Prerequisites: current Motor Vehicle Report (MVR) with no DUIs within the past two years; current Department of Transportation (DOT) medical card. Hands-on lab instruction in pre-trip inspections, brake adjustments, minor tractor and trailer maintenance (lights, oil changes, lube, etc.)

KPDR 0170 Safe Driving Conditions 0
Prerequisites: current Motor Vehicle Report (MVR) with no DUIs within the past two years; current Department of Transportation (DOT) medical card. Students practice backing and shifting skills on the driving range, as well as techniques using rear view mirrors.

KPDR 0180 Driving Experience 0
Prerequisites: current Motor Vehicle Report (MVR) with no DUIs within the past two years; current Department of Transportation (DOT) medical card. Groups of up to three students prepare for the CDL road test by practicing safe driving techniques and rules of the road with a licensed instructor.

KPDR 0200 Professional Truck Driving-120 0
Prerequisite: Motor Vehicle Report for current driving record; no DUIs within past two years; current DOT medical card; Class A CDL Learner's permit; participation in random drug testing. 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.

KPDR 0210 CDL Written Test Preparation 0
Prerequisite: Motor Vehicle Report (MVR) for current driving record, no DUIs within last 2 years; current Dept. of Transportation (DOT) medical card. Students will prepare for the State of Utah's written test for a Class A CDL license.

KPDR 0220 Log Books/Map Reading 0
Prerequisite: Motor Vehicle Report (MVR) for current driving record, no DUIs within last 2 years; current Dept. of Transportation (DOT) medical card. Prepare students in trip planning, to document loads and properly log hours in the log book.

KPDR 0230 Life Skills for Drivers 0
Prerequisite: Motor Vehicle Report (MVR) for current driving record, no DUIs within last 2 years; current Dept. of Transportation (DOT) medical card. Includes skills for living on the road appropriate to the truck driving industry: driving behavior; fatigue; time management & punctuality; fitness/nutrition; planning for unexpected situations; personal hygiene and grooming.

KPDR 0240 Vehicle Inspections 0
Prerequisite: Motor Vehicle Report (MVR) for current driving record, no DUIs within last 2 years; current Dept. of Transportation (DOT) medical card. The student will learn vehicle inspections; before, during and after each trip, mandated by the state and federal government.

KPDR 0250 Loading/Off-Loading Safety 0
Prerequisite: Motor Vehicle Report (MVR) for current driving record, no DUIs within last 2 years; current Dept. of Transportation (DOT) medical card. Includes the safe operation of fork lifts, Pallet Jack, hand truck, and how to operate a refrigerated trailer.

KPDR 0260 Vehicle Maintenance 0
Prerequisite: Motor Vehicle Report (MVR) for current driving record, no DUIs within last 2 years; current Dept. of Transportation (DOT) medical card. Introductory class; minor maintenance required for safe operation of tractor-trailer combinations, such as changing light bulbs, adjusting brakes, tire chains, sliding the tandem on a trailer, coupling/uncoupling double trailers.

KPDR 0270 Backing Skills 0
Prerequisite: Motor Vehicle Report (MVR) for current driving record, no DUIs within last 2 years; current Dept. of Transportation (DOT) medical card. Includes the coupling and un-coupling of tractor-trailers, putting the vehicle in motion (backing) and learning backing skills.

KPDR 0280 Shifting Skills 0
Prerequisite: Motor Vehicle Report (MVR) for current driving record, no DUIs within last 2 years; current Dept. of Transportation (DOT) medical card. Students will learn the use of the clutch and the term double clutching; also, how to read the gauges on the dashboard and use certain gauges to help in shifting.

KPDR 0290 Employment Workshop 0
Students learn job seeking skills, resume writing, and interviewing skills necessary for job placement.

KPDR 0300 Introductory Driving Experience 0
Prerequisite: Motor Vehicle Report (MVR) for current driving record, no DUIs within last 2 years; current Dept. of Transportation (DOT) medical card. Students will be introduced to the safe operation, proper driving techniques, use of the foot pedals, park brake, engine brake, and other components on a tractor-trailer combination vehicle.

KPDR 0310 Safe Driving Observation 0
Prerequisite: Motor Vehicle Report (MVR) for current driving record, no DUIs within last 2 years; current Dept. of Transportation (DOT) medical card. The student will observe the driving techniques of others, learning proper skills in operating a tractor-trailer combination vehicle.

KPDR 0320 Local Driving Externship 0
Prerequisite: Motor Vehicle Report (MVR) for current driving record, no DUIs within last 2 years; current Dept. of Transportation (DOT) medical card. Students will work with a designated company to gain experience in delivery, driving, and customer relations.

KPDR 0330 Extended Driving Experience 0
Prerequisite: Motor Vehicle Report (MVR) for current driving record, no DUIs within last 2 years; current Dept. of Transportation (DOT) medical card. Students will receive extended behind-the-wheel driving time; local, freeway, up and down grades, and other driving situations as appropriate.

KPDR 0400 Log Books/Map Reading 0
Prerequisite: Motor Vehicle Report (MVR) for current driving record, no DUIs within last 2 years; current Dept. of Transportation (DOT) medical card. Prepare students in trip planning, to document loads and properly log hours in the log book.

KPDR 0420 Vehicle Maintenance 0
Prerequisite: Motor Vehicle Report (MVR) for current driving record, no DUIs within last 2 years; current Dept. of Transportation (DOT) medical card. Introductory class; minor maintenance required for safe operation of tractor-trailer combinations, such as changing light bulbs, adjusting brakes, tire chains, sliding the tandem on the trailer, coupling/un-coupling double trailers.

KPDR 0430 Backing Skills 0
Prerequisite: Motor Vehicle Report (MVR) for current driving record, no DUIs within last 2 years; current Dept. of Transportation (DOT) medical card. Includes the coupling and un-coupling of tractor trailers, putting the vehicle in motion (backing) and learning backing skills.

KPDR 0440 Shifting Skills 0
Prerequisite: Motor Vehicle Report (MVR) for current driving record, no DUIs within last 2 years; current Dept. of Transportation (DOT) medical card. Students will learn the use of the clutch and the term double clutching; also, how to read the gauges on the dashboard and use certain gauges to help in shifting.

KPDR 0450 Driving Experience 0
Prerequisite: Motor Vehicle Report (MVR) for current driving record, no DUIs within last 2 years; current Dept. of Transportation (DOT) medical card. The student will be introduced to the safe operation, proper driving techniques, use of the foot pedals, park brake, engine brake, and other components on a tractor-trailer combination vehicle.

KPDR 0460 Safe Driving Observation 0
Prerequisite: Motor Vehicle Report (MVR) for current driving record, no DUIs within last 2 years; current Dept. of Transportation (DOT) medical card. The student will observe the driving techniques of others, learning proper skills in operating a tractor-trailer combination vehicle.

KTSS 0110 Basic Office Technician Skills 0
Prerequisite: Selected for program enrollment; see advisor. Foundation course 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.

KTSS 0120 Adv. Office Technician Skills 0
Prerequisite: Completion of PWI Orientation; see advisor. Office Skills specialization courses for PWI. Students enroll in courses as specified in evaluations and consult with PWI coaches. Emphasis on preparation for MOS Certification

KTSS 0130 Technical Support 0
Prerequisite: Completion of PWI Orientation; see advisor. Technical skills specialization courses for PWI. Students enroll in courses as specified in evaluations and consult with PWI coaches

KTSS 0140 Network Plus 0
Prerequisite: Adv. Students w/ related IT industry exper. (after assessment/assignment by PWI staff) may be qualified; this course is not intended for entry level or first-time PWI students. Computer Networking skills specialization courses for PWI. Students enroll in courses as specified in evaluations and consultation with PWI coaches. Emphasis on preparation for Network+ Certification.

KTSS 0150 I-Net Plus 0
Prerequisite: Adv. Students w/ related IT industry exper. (after assessment/assignment by PWI staff) may be qualified; this course is not intended for entry level or first-time PWI students. Server Networking skills specialization courses for PWI. Students enroll in courses as specified in evaluations and consultation with PWI coaches. Emphasis on preparation for I-Net + Certification with Linux and Server+ options.

KTSS 0160 Cooperative Internship 0
Prerequisite: Completion of PWI Program
Students participate in cooperative internship with a local company. Student and instructor work with a company to ensure student completes specific tasks and assignments in a workplace environment to enhance his/her competency.

KWLD 0115 Intro to Welding & Lab Safety 0
Prerequisite: Skills Center entry; good eyesight, lift 50 lbs. Students are provided with a general introduction to the art, science, & technology of welding. General industrial safety practices are taught.

KWLD 0125 Oxy-Acetylene (OAW) 0
Prerequisite: good eyesight, lift 50 lbs., KWLD 0115. Learn practical welding and cutting skills using the oxy-acetylene welding process on carbon steel. Safe practices and theory of OAW are taught.

KWLD 0135 Shielded Metal Arc (SMAW) 0
Prerequisite: 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) 0
Prerequisite: KWLD 0135. Learn practical welding skills using the GMAW process on carbon steel and alumninum. Short circuiting and spray transfers. Safe practices and theory of GMAW are taught.

KWLD 0165 Blueprint Reading for Welders 0
Basic study of blueprint reading and drawing, welding symbols (AWS & SI), and NDT symbols.

KWLD 0170 Flux Cored Arc (FCAW) 0
Prerequisite: 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) 0
Prerequisite: KWLD 0170. Learn practical wleding 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 0
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 0
Students learn job-seeking skills, resume writing, and interviewing skills necessary for job placement.

LAND 1110 Plumbing/Pipefitting Application 5
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 Landscp Water Conserv./Elective 5
Prerequisite: 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
Prerequisite: 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 Mngmt/Sustnbl. Landscapes 5
Prerequisite: LAND 1210. Controlling pests through proper management practices & application of pesticides. Various landscapes & typical control methods for preventing destruction by pests. Proper personal protection when making these control applications.

LAND 2310 Fund. /Soil Sci. & Hort. Sci. 5
Prerequisite: 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 Mgt 5
Prerequisite: 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
Prerequisite: LAND 2320. Cultivation of tree and wooded plant growth through proper soil conditions, water management and training practices.

LAND 2420 Annual/Perenn. Plant Materials 5
Prerequisite: LAND 2410. Good landscaping practices through the utilization of annual and perennial plants with added available color variety and sustaining growth habitats.

LAW 1000 Special Function/Reserv Office 2
Module I - 12 weeks Mon-Thur 5:30-9:30pm Sat 8:30-4:30pm Must be 21yrs old by graduation from Module II. Eligible for airport or campus security, Corrections and constable service. Prerequisite: approval of P.O.S.T.

LAW 1050 Peace Officer Basic 4
Module II - 19 weeks Mon-Thurs 5:30-9:30pm Sat. 8:30-4:30pm Law Enforcement Certification. Prerequisite: Must complete LAW 1000. Prerequisites: LAW 1000 and approval from P.O.S.T.

LAW 1300 Bail Enforcement Agent 0
Friday and Saturday 8:00am-6:00pm Fulfills training requirements for Bail Enforcement Agent certification for the State of Utah.

LAW 1310 Bail Enforcement Agent Recert. 4
Friday 8:00am - 6:00 pm. Fulfills training requirements for Bail Enforcement Agent Re-certification for the State of Utah.

LAW 1400 Emergency Medical Technician 4
Mon-Wed 6pm-10pm for 11 weeks. Must be 18 yrs. old. CPR cert. available. Treatment of medical emergencies, trauma injuries, shock treatment, bleeding, illness, bandaging, splinting, taking vital signs. Utah certifiable.

LAW 1410 Emergency Medical Tech Recertification 0
Prerequisite: LAW 1400. For those holding current, valid certification. Training selected by the student and instructor from the ongoing LAW 1400 course. Provides required CME hrs for the currently certified EMT.

LAW 1420 Emergency Med Tech CPR Spec 4
Prerequisite: LAW 1400. Saturday 8:00am-5:00pm--To be arranged. Fulfills C-Level first aid requirement for the Emergency Medical Technician program.

LE 1020 Essentials-College Study (ID) 3
Orientation to prepare students for college study. Greater knowldege & skills to assist in academic objectives. Nature of adult learner, planning, testing, communication, study, library use, issues. Service learning component likely.

LE 1060 Internet Navigator 1
Internet skills taught via Internet. Will 1) help students develop skills to navigate Internet effectively, 2) help student to access, evaluate and use information over their lifetime, 3) initiate collaborative interactive learning.

LE 1220 Human Relations-Career Dev(SS) 3
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. Service learning comp.

LE 1240 Tutor Certification 1
Basic principles of tutoring through supervised practice tutoring. Students learn to become effective and certified tutors.

LE 1250 Effective Revision and Editing 2
Prerequisite: 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, & punctuation, relate to their writing.

LE 1260 Efficient Reading 3
Prerequisite: Min. score of 71 on CPT reading or RDG 990 w/C Emphasizes improving reading speed, recall, comprehension for college-level materials.

LE 1300 Human Relations & Self-Esteem 2
Examines relationship between human relations and self-esteem. Helps students develop human relation skills while improving self-image. Assessments, reading, discussions, group and individual activities, videos, other media.

LE 1310 Mind, Machine, Consciousness (ID) 3
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
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. Service learning comp.

LE 1900 Special Studies 1-3
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.

LOG 1010 Distribution Systems 3
Principles of transportation systems, understanding of the economic, political and social functions of transportation in the economy. Inflow, outflow, warehousing and their role in the physical distribution process are taught.

LOG 2000 Transportation CO-OP 1-4
Prerequisite: Sophomore status and instructor approval. Supervised work experience in business, industrial or government related to the program major. Credit is awarded for successful completion of specific learning objectives that provide new experience related to program major.

LOG 2020 Transportation Economics 3
Prerequisite: LOG 1010. Transportation procedures/ regulations:pricing with computer rate and contract negotiations, government economic regulations, tariff bureaus, auditing carrier freight bills and international rate pricing systems.

LOG 2050 Logistics Management 3
Prerequisite: LOG 1010. Business logistics and strategic elements of the marketing mix. Role of material management and physical distribution. Customer service, order processing, information flow, transportation,warehousing,purchasing and design examined.

LOG 2120 Risk and Loss Management 2
Prerequisite: LOG 1010. Basics in contractual aspects of transportation management including various freight classifications, how rates are developed; basics of contracts of coverage and their implications, negotiations; procedures for loss/damage claims.

LOG 2400 International Logistics 3
Prerequisite: LOG 1010. Management of international logistics;emphasis on shipper and carrier viewpoints. International topics: documentation; freight forwarding; govt. involvement; intermodal transportation; geography; financing; customer service; HR skills.

LOG 2990 Topics in Transportation 1-3
Prerequisite: Variable to topic or project. A study of transportation policy and current topics in transportation marketing. Free trade zones; distribution strategies; import and export in a changing world are are examined.

LST 1800 Legal Secretary 2
Class covers the major areas of the law: terminology, law office procedures, preparation of legal documents, state and federal court systems, civil and criminal procedures, corporate procedures and domestic relations.

LST 1810 Legal Secretary II 2
Class emphasizes knowledge and skills in contracts and torts litigation, appellate procedures, real estate law, legal research, bankruptcy, law office accounting, probate estate planning and gift and inheritance taxes.

LT 1010 Intro to Library Services 3
This 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, role or library associations.

LT 1200 Public and Info Services 3
Course includes information about library circ. systems: policies, procedures, reserve collections, patron holds/ requests, reference and info services, search strategies, info sources, customer communication/ search techniques.

LT 1500 Library Technical Services 3
Course is overview of the 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.

MA 1100 Medical Terminology 2
Course uses videos, supplemented lecture & covers over 350 medical word roots, suffixes, prefixes. Emphasis placed on pronunciation, spelling, proper usage of medical termin. Medical abbreviations are also introduced.

MA 1150 Medical Office Machines 3
Prerequisite: proof of word processing proficiency Course is in modules including 10-key/touch keyboard speed-building skills with timed wrt, WP use, machine use & maintaining copiers, fax machines. Students must pass all competencies as outlined by the course syllabus.

MA 1200 Medical Office Management 5
Prerequisite: proof of word processing proficiency Medical procedures including: billing, schedules, mail, telephones, office machines, computer hardware & software. Law & ethics, charting and other procedures as pertaining to the medical office.

MA 1210 Practical Medical Office Mgt. 3
Prerequisite: Concurrent with MA 1200. Practical application of MOM procedures taught in MA1200. Students must type 30wpm & demonstrate proficiency--passing all competencies outlined in the course by the end semester and before progressing to advanced medical courses.

MA 1300 Clinical Pharmacology 4
Prerequisite: MA 1100, 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 Pract. Clinical Pharmacology 1
Prerequisite: Concurrent with MA 1300. Practical application studied in MA 1300 includes admin of oral parenteral & topical meds. Dosage calculated using ratio proportions or other formula methods for conversion of measurements systems using decimals, fractions, whole num.

MA 1420 Clinical Pathology 7
Prerequisite: Concurrent with MA 1100. Discuss the S&F body systems including the cells neuro, endro CV, resp, GI, derm, and the pathology of the systems. Triage, Dx and Tx commonly seen in the office; and epidemi, and infectious diseases and the responsibilities of the MA.

MA 1600 Patient Care 2
Prerequisite: MA 1100, HLTH 1255, MA 1420. Theory & principles concerning fundamental skills necessary for care of patients in the medical office. Practicing aseptic tech, sterilization equip, assessing vital signs, assist with examinations, such as OB/GYN, peds, & nutrition.

MA 1610 Practical Patient Care 3
Prerequisite: Concurrent with MA 1600. Practical application of skills taught in MA1600. Students must pass all competencies in the syllabus before the end of the semester and before advancing to the advanced medical assisting courses.

MA 2220 Medical Office Transcription 3
Prerequisite: proof of word processing proficiecy, MA1200, MA1210. Introduction to more advanced medical transcript, including admission, & discharge summaries, office visit notes, pathology reports. Students must pass all competencies outlined in the course syllabus by the end of the semester.

MA 2230 Computerized Med. Office Mgt 2
Prerequisite: proof of word processing proficiency, MA1200, MA1210. Computerized applications using software to perform office skills such as scheduling, banking, accounts receivable and payable, patient ledgers. Student must pass all competencies outlined in the course syllabus by the end of the semester.

MA 2240 Medical Office Communication 2
Prerequisite: MA 1100, MA 1200, MA 1210. Verbal & 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
Prerequisite: MA 1100, 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 7
Prerequisite: MA 1100, MA 1420, MA 2300 or approval. Advanced practice with the current procedural terminology (CPT) and international classification of disease (ICD-9) coding procedures, HCPS for optimal reimbursement as practiced in medical settings.

MA 2540 Practical Radiology 2
Prerequisite: MA 1420, MA 1600, and Instructor approval. Theory & 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-Radiolo. 3
Prerequisite: Concurrent with MA 2540. Practical application of principles and theories taught in MA2540, including patient positioning for chest x-ray, extremities, pelvis and x-rays using the phantom.

MA 2600 Advanced Patient Care 2
Prerequisite: MA 1420, MA 1600. Theory and principles of advanced skills for care of patient in the medical office including; EKGs, instruments ident. tray set-up, patient exam, bandaging, Pt triage first aid & ortho. Lab skills, hematology, UA, OSHS regs. precaution.

MA 2610 Practical Adv. Patient Care 3
Prerequisite: Concurrent w/MA 2600. Practical skills for MA 2600. Students must pass all competencies as outlined in the syllabus such as EKGs, sterile trays, phlebotomy, capillary draws, UA with micro, culture prep, casting, and first aid.

MA 2810 Medical Assistant Externship 4
Prerequisite: 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 2830 Med. Admin. Assist. Externship 2
Prerequisite: Successful completion of required courses w/C. Students are placed into a health care facility for 160 hrs. unpaid supervised extern. Students to perform procedures learned in the program. Students are evaluated twice during the extern. Students must return all pages for grades.

MA 2990 Special Radiological Procedures 1-3
Prerequisite: MA 2540, MA2550 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.

MAT 1370 CAD/CAM 2
Prerequisite: EDDT 1100. CNC programming using CAD software to build solid models and CAM software to drive cutter paths to the solid model. Class includes programing of CNC lathes and mills.

MAT 1500 Manual Machining 3
Prerequisite: Concurrent with MAT 1510 or MAT 1510. Basic machine shop theory including operation and preformance of lathes and mills.

MAT 1510 Manual Machining Lab 1
Prerequisite: Concurrent with MAT 1500. Laboratory application of manual machine shop principles taught in MAT1500 including lathes and mills.

MAT 1600 CNC Machine Theory 3
Prerequisite: Concurrent with MAT 1610. Basic CNC machine Shop theory including G & M Programming, operation, and performance of CNC lathes and mills.

MAT 1610 CNC Machining Lab 1
Prerequisite: Concurrent with MAT 1600. Laboratory application of principles taught in MAT1600 including programming and operation of CNC laths and mills.

MATH 0900 Basic Mathematics 3
An introduction to basic mathematics, including operations with whole numbers, fractions, decimals, proportions, and percentages.

MATH 0920 Developmental Math 6
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 0950 Pre-Algebra 3
Prerequisite: A C or better in MATH 0900 or appropriate CPT 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 include a service-learning component.

MATH 0970 Elementary Algebra 4
Prerequisite: MATH 0920 or MATH 0950 w/C or appropriate CPT 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 1010 Intermediate Algebra (QL) 4
Prerequisite: MATH 0970 with C or appropriate CPT score. Linear and quadratic equations; inequities; polynominals; rational expressions; radicals; negative and rational exponents; complex numbers; linear systems; introduction to functions; logarithms; and exponential functions.

MATH 1020 Math for Health Disciplines 3
Prerequisite: MATH 0950 or MATH 0920 or appropriate CPT score. A general review of mathematics; introductory algebra, geometry; measurements systems; drug dosage calculations; and intravenous fluid administration. This course does not satisfy general ed. requirements for transfer students.

MATH 1030 Quantitative Reasoning (QL) 3
Prerequisite: MATH 1010 with C or appropriate CPT 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
Prerequisite: MATH 1010 with C or appropriate CPT score. Descriptive and inferential statistical methods. Emphasis on sampling design; descriptive statistics; linear regression & correlation; probability; sampling distributions; hypothesis testing and confidence intervals.

MATH 1050 College Algebra (QL) 4
Prerequisite: MATH 1010 with C or appropriate CPT score. Exponential, and logarithmic functions; matrices; conics; sequences and series; and mathematical induction.

MATH 1060 Trigonometry 3
Prerequisite: MATH 1050 with C or appropriate CPT score. Trigonometric functions and their graphs developed using circular and triangular methods including inverses; polar coordinates; and an introduction to vectors.

MATH 1090 College Algebra-Business (QL) 3
Prerequisite: MATH 1010 with C or appropriate CPT score. Topics include: graphs, linear, quadratic, logarithmic, and exponential functions; matrices; systems of equations and inequalities; leontieff models; compound interest; geometric and arithmetic series, loans and annuities.

MATH 1210 Calculus I 4
Prerequisite: MATH 1060 with a C or above. Topics include: limits; derivatives of algebraic and transcendental functions; applications of differentiation. Integration is introduced with the Fundamental Theorem of Calculus and the technique of substitution.

MATH 1220 Calculus II 4
Prerequisite: MATH 1210 with a C or above. Topics include applications and techniques of integration; parametric equations and polar coordinates; Taylor and power series, and 3-dimensional analytical geometry and vectors.

MATH 2000 Math CO-OP 1-2
Standard CO-OP. Prerequisite: Sophomore standing with GPA of 2.0, study-related employment and approval of Director of Cooperative Education.

MATH 2010 Math for Elem. Teachers I 3
Prerequisite: MATH 1050 with a C or above. Topics include problem-solving techniques; sects and logic; number theory including properties and operations; mental arithmetic; estimation; and topics in algebra. Technology projects, and manipulatives are utilized in this course.

MATH 2020 Math for Elem. Teachers II 3
Prerequisite: MATH 2010. 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 2210 Multivariate Calculus 3
Prerequisite: MATH 1220 with a C or above. 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 Eq/Linear Algebra 3
Prerequisite: MATH 1220 with a C or above. 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 2900 Spec Topics 1-3

MEEN 1050 Design & Visual Communications 3
The design process, sketching, three-dimensional visualization and communication, engineering drawing, CAD systems, data presentation and computer graphics are discussed in this class. Prerequisite: Drafting experience or education

MEEN 1300 Statics 3
Prerequisite: MATH 1210, PHY 2210. Principles of forces, moments & couples; resultant & static equilibrium of general force systems; statically equivalent systems, center of gravity & pressure; friction; Free body method of analysis. Principles applied to engr. problems.

MEEN 2000 Cooperative Education 1-2
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. Prerequisites: Sophomore standing with 2.0 GPA and approval

MEEN 2040 Numerical Techniques 2
Prerequisite: CS 1050, MATH 2250. Order of convergence; error accumulation; root finding; solution of linear & nonlinear equations; numerical integration & differentiation. Solutions to ordinary and partial differential equations will be discussed.

MEEN 2050 Engr. Manufacturing with Lab 4
Prerequisite: MEEN 1300, MEEN 2310. Structures and properties of ferrous and nonferrous materials, casting, forging, welding, heat treating, machining, grinding, numerical control, robotics, and economic analysis will be covered.

MEEN 2310 Strength of Materials I 2
Prerequisite: MEEN 1300, concurrent w/MEEN 2330 and MATH 2250. Internal forces in members, concept of stress & strain, axial loading, Hooke's Law, torsion, pure bending, traverse loading, transformations of stress & strain, pressure vessels, beam deflection & column bending are discussed.

MEEN 2330 Strength of Materials Lab 1
Prerequisite: Concurrent with MEEN 2310. This is an introductory laboratory in mechanical behavior of materials using basic testing methods and instrumentation, column bending, tension & compression of metals, concrete failure, Charpy's Impact, and creep tests.

MEEN 2340 Dynamics I 2
Prerequisite: MEEN 1300. 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 2350 Dynamics II 2
Prerequisite: MEEN 2340, MATH 2250. This course examines Kinetics & Kinematics of rigid bodies in 2-D & 3-D motion. It also covers moving frames, 3-D mass moment of inertia, conservation of momentum, energy, impact and an intro. to vibration analysis of mechanical systems.

MEEN 2900 Special Topics-Mech. Engr. 1-3
Special Topics in Mechanical Engineering

MET 1010 Intro to Meteorology (PS) 3
Students are introduced to the characteristics and dynamics of the atmosphere and how they influence weather, including clouds, fronts, weather prediction, severe weather and optical phenomena such as rainbows and halos.

MGT 1100 Small Business Management 3
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
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
Prerequisite: Sophomore standing, 2.0 GPA, 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
Prerequisite: BUS 1050, MKTG 1030, ACCT 1210. 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 2050 Legal Environment of Business 3
Prerequisite: 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
Prerequisite: 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
Prerequisite: 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 2090 Compensation and Benefits 2
Prerequisite: MGT 2070. Introduction to field of compensation and benefits. As a supplement to Human Resource Management various methods offered by organizations will be presented. Field studies and on-site visits are key components to be utilized.

MGT 2200 Business Statistics I 3
Prerequisite: BUS 1050, MATH 1010 or FIN 1380, or CIS 1020. Basic understanding of statistics and statistical methods applied in business. Focus on descriptive and a portion of inferential statistics, also principles and techniques used in collecting and analyzing data. Some computer software use.

MGT 2300 Business Statistics II 3
Prerequisite: MGT 2200, MATH 1090 or MATH 1050. Second course of two-semester series in applied business statistics. Focus on inferential statistics and analytical methods for decision making in business. Many techniques, testing and analysis studied along with use of computers.

MGT 2400 International Trade/Business 3
Prerequisite: 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 2500 Strategic Management Principle 3
Prerequisite: BUS 2010, 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 2950 Entrepreneurship Forum 1
Speakers selected from successful business owners across Wasatach 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
Prerequisite: Variable 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.

MIL 1110 Millwright IA 5
Use and safe practices for tools and equipment including hand and power tools. Mathematics, including formulas and angles, layout, and precision measuring. Fiber ropes including uses and safe handling.

MIL 1120 Millwright IB 5
Blueprint reading, precision measuring, and precision layout tools. Oxy-acetylene cutting, plasma arc cutting, and carbon arc cutting. Welding metallurgy and prints.

MIL 1210 Millwright 2A 5
This course provides training in shielded metal arc, MIG, and TIG welding practices and procedures. Included are tasks in layout, fabrication, and cutting. Rigging hardware and practical application.

MIL 1220 Millwright 2B 5
Cribbing, moving, and installation of machinery. Optic and transit level use and theory. Sole plates, power rigging, conveyors, and pump components will be presented.

MIL 2310 Millwright 3A 5
Single and double belt conveyors, roller, slider bed, table top, trough, and monorail. Belt splicing, leveling instruments including precision leveling. Advanced blue-print reading, rotary pumps, packings, and inspections.

MIL 2320 Millwright 3B 5
Course work presented includes gear boxes, bearings, shafts and keys. Hubs, clutches and couplings, drive systems including sprockets and chains. Belts and sheaves, calculating speeds, and coupling alignment included.

MIL 2410 Millwright 4A 5
Four levels of coupling alignment and two levels of reverse alignment are presented. Lasar alignment and basic electricity ar presented.

MIL 2420 Millwright 4B 5
Course study includes hydraulics, pneumatics, air compressor and sweat couplings. Turbine components and intermediate transit work and leveling. Electronics and controls are presented in this course.

MKTG 1030 Introduction To Marketing 3
Students receive a basic understanding of marketing principles and consumer-to-business relationships that influence consumer behavior. This course may be taught with a service-learning component.

MKTG 1050 Consumerism (ID) 3
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
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 1090 Retail Management 3
Research of retail businesses will allow students to apply retail concepts of merchandise management, assortment, pricing, visuals, etc. Presentation of the accumulated research will further strengthen understanding of concepts.

MKTG 1300 Business Presentations 2
Prerequisite: CIS 1020 or competency test. 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
Emphasis is placed on pre-approach, needs, benefits, objections and closes. Students experience basic techniques through paticipation in a series of simulated sales calls.

MKTG 1910 Event Marketing 3
This course focuses on planning and implementing events such as trade shows, conferences and large promotions. A group student project will bring personnel managers and company officials on campus for a one-day trade fair.

MKTG 1960 Professionalism in Business 3
This course provides a study of interpersonal and business survival skills including human relations, communication, motivation, self-disclosure, team building, transactions, relationships, coping with change, and much more.

MKTG 2000 Marketing CO-OP Education 1-3
Prerequisite: 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
Prerequisite: 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 2120 Product and Pricing Strategies 3
Prerequisite: MKTG 1030. As a group project, students will develop a new product or service. Students will apply the concepts of market research, packaging, design, pricing, suppliers, etc. Completion of the project includes a presentation of the product.

MKTG 2360 Business to Business 3
Prerequisite: MKTG 1030. Course provides attention to the planning process and to the products, distribution, pricing, support functions, selling, advertising, promotion in business to business marketing.

MKTG 2400 International Marketing 3
Prerequisite: MKTG 1030, ECON 2020. 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
Prerequisite: MKTG 1070, MKTG 1090 or MKTG 2360, MKTG 2100. This is a snythesis of marketing theory and practical application of marketing techniques to strategic planning and marketing plan management.

MKTG 2810 e-Commerce Design/Implementation 3
Prerequisite: MKTG 1030, MKTG 1480 or concurrent. Students will enlarge 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 2990 Current Topics in Marketing 1-3
Prerequisite: Variable to topic or project. Students develop special projects related to topics

MLS 1010 Leadership Discovery I 2
Focus on assessing an individual's leadership abilities. Classroom instruction and other activities include land navigation, rappelling, marksmanship, water survival and river rafting. Must participate in one/ two hour lab weekly.

MLS 1020 Leadership Discovery II 2
Continued leadership development and confidence building. Activities include helicopter operations, squad and platoon exercises. Student must participate in a one or two hour lab weekly.

MLS 1060 Military Physical Readiness 1
Program to prepare students for the rigors of military service through a systematic physical-conditioning program. Emphasis on cardiovascular and muscular development. Must be enrolled in MLS1010/1020/2010 or 2020. Can be repeated.

MLS 2010 Leadership Challenge I 3
Student develops leadership and management skills with an emphasis on problem solving and decision making skills. Training includes land navigation, marksmanship, rappelling and river rafting.

MLS 2020 Leadership Challenge II 3
Continued leadership and management skills development. Decision making skills will be developed during field exercises. Activities include helicopter operations, squad and platoon exercises.

MLS 2090 Ranger Challenge 2
Physical and military skills training program to prepare students for competition at Fort Hunter-Liggett, CA. Intense physical training and rigorous training schedule. Student must be enrolled in MLS1010/1020/ 2010/2020.

MLS 2950 Basic Independent Study 2-3
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.

MLT 1010 Diagnostic Med and the Lab 2
Course is designed to increase students general knowledge of the significance of the medical lab. Focus is on correlation of lab test results with clinical diagnosis and promotion of lab medicine.

MLT 1620 Intro To Med Lab Science 1
This course discusses principles of microscopy, Lab math, reagent preparation and lab safety. Includes lab session so students may perform various lab techniques. Prerequisite: Admission to program

MLT 1700 Prin./Practice of Phlebotomy 3
This course consists of discussions of the principles and practice of blood collection. Venipuncture technique is included.

MLT 2200 Clinical Chemistry 4
Prerequisite: Instructor approval. General lab principles, math & statistics, safety, specimen collection/transport requirements, quality control principle instrumentation and chemical procedures for blood/urine. Includes Lab.

MLT 2300 Hematology 3
Prerequisite: Instructor approval. This course focuses on the origins, morphology, biochemistry and function of blood cells. The laboratory evaluation of hematologic disorders is discussed. Laboratory sessions help to develop diagnostic skills.

MLT 2310 Coagulation 2
Prerequisite: MLT 2300. This course discusses hemostatic disorders, associated clinical symptoms and the appropriate laboratory evaluation necessary for diagnosis. Laboratory sessions help to develop diagnostic skills.

MLT 2400 Immunohematology 4
Prerequisite: Instructor approval. Historical, practical and theoretical aspects of blood group serology and its clinical applications.

MLT 2500 Pathogenic Microbiology 5
Prerequisite: Instructor approval. This course is a basic overview of medical microbiology -- the study of bacterial, viruses, fungi, and parasites. The focus is on isolation and identification of organisms. Includes laboratory sessions.

MLT 2700 Immunology 3
Prerequisite: Instructor approval. Study of the immune system as it relates to the human body's defense against foreign substances.

MLT 2850 Body Fluids 2
Prerequisite: Instructor approval. Review of various body fluids such as effusions, spinal fluids, synovial fluid and urine. Emphasis is placed on renal function and urinalysis. Includes lab.

MLT 2900 Applied Clinical Chemistry 3
Prerequisite: Instructor approval. Routine chemical analysis of blood and other fluids in defining diagnoses and detecting unknown diseases.

MLT 2910 Applied Clinical Coagulation 1
Prerequisite: Instructor approval. Performance and discussion of procedures that diagnose bleeding disorders, assess anticoagulant therapy and identify patients at risk for thrombosis.

MLT 2920 Applied Clinical Hematology 3
Prerequisite: Instructor approval. Performing tests to establish at hematologic diagnosis, detect unsuspected disease or monitor effects of treatment protocols.

MLT 2930 Applied Clinical Blood Bank 3
Prerequisite: Instructor approval. Applying principles of blood-donor history, component preparation, compatibility testing and antibody screening and identification.

MLT 2940 Applied Clinical Immunology 1
Prerequisite: Instructor approval. Performing immunologic procedures used to diagnose diseases.

MLT 2950 Applied Clinical Microbiology 3
Prerequisite: Instructor approval. Practicum in hospital microbiology laboratory. Student identifies common pathogens- bacteria, viruses, parasites, fungi, mycobacteria, anaerobes- and uses modern techniques and instruments.

MLT 2960 Special Topics 1
Prerequisite: Instructor approval. This course is designed to develop professional skills, including critical thinking, decision making and troubleshooting. Students are encouraged to think in an interdisciplinary manner and develop ethical standards.

MSE 2000 Cooperative Education 1-2
Prerequisite: Sophomore Standing w/minimum 2.0 GPA and 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 Intro to Materials Science Eng. 4
Prerequisite: CHEM 1220. An introduction to materials science for majors. The five material categories; metals, ceramics, polymers, composites, semiconductors are introduced. Concepts are reinforced in laboratory experiences.

MSE 2160 Elements of Materials Science Engr 3
Prerequisite: 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 Elem of Mat Sci for Civil Eng. 1.5
Prerequisite: CHEM 1210. Five classes of materials (metals, ceramics, polymers, composites & semiconductors) are introduced. The effect of structure on material properties is explored on both the macroscopic and microscopic level. For civil eng. majors.

MSE 2210 Electronic Prop. of Materials 2
Prerequisite: CHEM 1220, MSE 2010, PHY 2220. physics and fabrication of semiconductor devices including silicon integrated circuits, superconducting magnetic and dielectronid materials will be studied.

MSE 2410 Introduction to Polymers 2
Prerequisite: CHEM 1220, MSE 2010. commercial polymers will be introduced. Students will obtain an awareness and working understanding of the broad field of polymer science.

MSE 2900 Special Topics-Mat. Sci. Engr. 1-3

MSI 1110 Machinist IA 5
Safety in the work place and with tools and equipment, math for machining lathes, feeding and speeds, threading tools and grinding.

MSI 1120 Machinist IB 5
Prerequisite: MSI 1110. This is a continued applied math for machinists, metric units, tolerances and clearances. Blueprint reading, welding and applied symbols, lathe turning tapers, job planning and layout will be reviewed.

MSI 1210 Machinist IIA 5
Prerequisite: MSI 1120. Applied algebraic operations and equations, datums, dimensioning; and applied geometric dimensioning with millwork fees, speeds and set-ups will be studied.

MSI 1220 Machinist IIB 5
Prerequisite: MSI 1210. Math for machinists including ratio and proportion, application of formulas to cutting and revolutions. Spur gears, graphic technology, sketching and basic forms with gear cutting.

MSI 2000 Machinist CO-OP 2-4
Prerequisite: Instructor approval.

MSI 2310 Machinist IIIA 5
Prerequisite: MSI 1220. This is an introduction to geometric figures and principles. Fundamental construction with orthographic projection, specialty views and continued tool cutting and grinding will be taught.

MSI 2320 Machinist IIIB 5
Prerequisite: Instructor approval. Introduction to trigonometric functions with practical machine application including threaded fasteners. An introduction to numerically controlled (NC) and computerized numerically controlled (CNC) operations.

MSI 2410 Machinist IVA 5
Prerequisite: MSI 2320. This is a study of compound angles, drilling and boring compound angular holes, rotation tilt pipe threads. Identification of materials, dove tails casting and use of NC and CNC machines will be covered.

MSI 2420 Machinist IVB 5
Prerequisite: MSI 2410. This is an applied application to numerical control point-to -point programming and binary numeration systems. Structural steel shapes and welding worm gearing with use of NC machines will be stressed.

MUS 0990 Recital Attendance 0
Attendance at departmental recitals during the semester. Required for all music majors.

MUS 1010 Intro to Music (FA) 3
An introductory course in music appreciation. Covers the story of western musical development from the Middle Ages to the present.

MUS 1050 Songwriting I 2
Learn songwriting skills including song forms, melody and text. Students will use MIDI technology to produce recordings of their songs.

MUS 1060 Songwriting II 2
Prerequisite: MUS 1050. Second semester of songwriting and MIDI skills. Students apply these skills to their original music.

MUS 1090 Bridging the Arts (FA) 3
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.

MUS 1100 Introduction to Piano 2
Beginning piano instruction in a group setting for non-music majors.

MUS 1110 Group Piano I 1
First semester of beginning piano instruction in a group setting for music majors.

MUS 1120 Group Piano II 1
Prerequisite: MUS 1110 or instructor approval. Second semester of beginning piano instruction in a group setting for music majors.

MUS 1210 Music History I (FA) 3
A music history course taught in context with other arts, literature and ideas of the times. This class covers the Middle Ages to Beethoven.

MUS 1220 Music History II (FA) 3
A music history course taught in context with the other arts, literature and ideas of the times. It covers Beethoven to present.

MUS 1310 Group Voice 2
Individual student vocal skills developed in a group setting. Music fundamentals are introduced.

MUS 1350 College Chorale 1
A non-audition choir. Teaches choral singing skills. Open to all students who would like to sing. May be repeated for credit.

MUS 1360 College Chorale 0
Same as MUS 1350. No credit, a special fee required.

MUS 1370 Concert Choir 1
Prerequisite: Audition. A large four-part audition ensemble representing Salt Lake Community College at community, collegiate and intercollegiate functions. Required for music majors. May be repeated for credit.

MUS 1380 Chamber Singers 1
Prerequisite: Audition. The College's premier vocal ensemble. Intensive study and performance of choral music from all periods and styles. May be repeated for credit.

MUS 1390 South City Jazz 1
Prerequisite: Audition. A small, auditioned ensemble that performs music from the vocal jazz and popular literature.

MUS 1450 Band 1
A pep band for basketball and other College activities.

MUS 1460 Chamber Orchestra 1
Prerequisite: Audition. A chamber orchestra that performs music of a variety of styles at various College functions.

MUS 1470 Jazz Band 1
Prerequisite: Audition. A jazz band that will work on individual skills and ensemble jazz performance.

MUS 1480 Guitar Ensemble 1
Prerequisite: Audition. A performing guitar ensemble for intermediate to advanced students.

MUS 1550 Introduction to Music Theory 2
A beginning music course covering music notation, key signatures, scales, intervals, triads and seventh chords. Students will learn to identify intervals and chords by their sound.

MUS 1560 Music Theory I 3
Prerequisite: Concurrent with MUS 1561. Students will review music fundamentals, study counterpoint and beginning four-part harmony and voice leading. Students must earn a B- or higher grade to transfer to a four-year institution.

MUS 1561 Sightsinging and Eartraining I 1
Prerequisite: Concurrent with MUS 1560. A beginning course in developing aural skills in music. It includes intervals, triads, cadences, rhythmic and melodic dictation and sightsinging. Students must earn a B- or higher grade to transfer to a four-year institution.

MUS 1570 Music Theory II 3
Prerequisite: MUS 1560, concurrent with MUS 1571. Second semester music theory. Continued study of four-part harmony and voice leading. Students must earn a B- grade or higher to transfer to a four-year institution.

MUS 1571 Sightsinging /Eartraining II 1
Prerequisite: MUS 1561, concurrent with MUS 1570 Continuation of MUS 1561. Coursework includes triads, triad inversions, chord progressions and rhythmic, melodic and two and four part dictation. Students must earn a B- grade or better to transfer to a four-year institution.

MUS 1610 Group Guitar I 2
Beginning guitar in a group setting. Includes basic chords in open position, strumming, finger style acompaniment patterns, standard notation, transposition and construction of chord progressions.

MUS 1620 Group Guitar II 2
Prerequisite: MUS 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.

MUS 1660 Fretboard Theory I 2
Music theory for guitar. Includes scales, intervals, triads, seventh chords, harmonizing simple melodies and basic rhythm reading.

MUS 1670 Fretboard Theory II 2
Prerequisite: MUS 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.

MUS 1710 Private Guitar 1
Twelve individual 1/2 hour guitar lessons. Additional fee is required.

MUS 1730 Private Piano Instruction 1
Twelve individual one-half hour piano lessons for non-beginning pianists. One hour daily practice is required. Additional fee is required.

MUS 1750 Private Voice 1
Twelve individual one-half hour voice lessons. Students study proper vocal production, technique and development in several styles of literature. Additional fee is required.

MUS 1900 Special Topics 1-2
Prerequisite: Instructor approval. Students plan their areas of work or performance with the instructor on an individual basis.

MUS 2500 Basic Conducting 2
Prerequisite: MUS 1570. An introductory course covering the basic fundamentals of conducting.

MUS 2560 Music Theory III 3
Prerequisite: MUS 1570, concurrent with MUS 2561. Student will continue study of four-part harmony and voice leading. Students must earn a B- grade or higher to transfer to a four-year institution.

MUS 2561 Sightsinging/Eartraining III 1
Prerequisite: MUS 1570, concurrent with MUS 2560. Student will continue study of aural and writing skills in music from the materials in MUS 2560. Students must earn a B- grade or higher to transfer to a four-year institution.

MUS 2570 Music Theory IV 3
Prerequisite: MUS 2560, concurrent with MUS 2571. This class covers 20th century music techniques. Students must earn a B- grade or higher to transfer to a four-year institution.

MUS 2571 Sightsinging/Eartraining IV 1
Prerequisite: MUS 2561, concurrent with MUS 2570. Covers aural and writing skills of 20th century music. Students must earn a B- grade or higher to transfer to a four-year institution.

MUS 2900 Special Topics 1-3
Prerequisite: Department approval. A course in which students explore specific areas of interest under faculty direction.

MUS 2990 Fine Arts Project 2
Prerequisite: 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
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 survival and social situations. Lab attendance required.

NAV 2900 Special Topics in Navajo 1-3
This is a course designed by faculty which allows students to explore specific interests in Navajo language and culture. Lab attendance required. May be repeated for credit.

NDT 1110 Intro./Non-Destructive Testing 3
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
Prerequisite: Concurrent with IND 1120 and NDT 1115. A basic theory of ultrasonic inspection including formulas, methods, applications and limitations.

NDT 1115 Ultrasonics I Lab 1
Prerequisite: Concurrent with 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 & II 2
Prerequisite: Concurrent with 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 & II Lab 1
Prerequisite: Concurrent with NDT 1120. Students will learn basic and advanced applications of magnetic fields, material sensitivity and equipment calibration.

NDT 1122 Eddy Current I 3
Prerequisite: IND 1120, concurrent with NDT 1123. A basic theory of electromagnetic principles, formulas, material applications, methods and limitations.

NDT 1123 Eddy Current I Lab 1
Prerequisite: Concurrent with NDT 1122. Emphasis is placed on familiarizing students with controls of eddy current machines and calibration.

NDT 1130 Radiation Safety 3
Prerequisite: 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
Prerequisite: NDT 1130, IND 1120, concurrent with NDT 1133. A basic theory of radiography, formulas, inspection methods, film processing, material sensitivity applications and limitations.

NDT 1133 Radiography I Lab 1
Prerequisite: Concurrent with 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
Prerequisite: Concurrent with 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
Prerequisite: Concurrent with NDT 1210. Students will learn basic and advanced applications of liquid penetrants material sensitivity and equipment calibration.

NDT 1213 Ultrasonics II 3
Prerequisite: NDT 1114, NDT 1115, concurrent with NDT 121. This advanced theory of ultrasonic inspection concentrates on codes and standards as they apply to ultrasonics, reporting of test results and developing inspection techniques.

NDT 1214 Ultrasonics II Lab 1
Prerequisite: Concurrent with 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
Prerequisite: NDT 1122, NDT 1123 concurrent with 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
Prerequisite: Concurrent with NDT 1222. Students perform eddy current inspection to applicable codes and standards, applying techniques developed and special applications.

NDT 1230 Codes and Procedures 2
Prerequisite: 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
Prerequisite: NDT 1132, NDT 1133, concurrent with 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
Prerequisite: Concurrent with NDT 1232. This advanced course concentrates on film interpretation, multiple film loading techniques and radiographic procedures.

NDT 1234 Advanced NDT Concepts 3
Prerequisite: 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
Prerequisite: Admission to program. 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 8
Prerequisite: BIOL 1170/1180, BIOL 2050/2060. Introduces theories and skills 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 1400 Maternal Newborn Nursing 3
Prerequisite: NSG 1250, NSG 1350, and NSG 2900. Provides a family centered approach to nursing care of the childbearing client and family across the health continuum as provider and manager of care in health care settings.

NSG 1500 Nursing Care of Children 3
Prerequisite: NSG 1350. Introduces students to family centered pediatric nursing care of infants, children, adolescents and their families across the health continuum. in body systems. Clinical experience is provided.

NSG 1700 Medical-Surgical I 5
Prerequisite: NSG 1350. Builds upon prior curriculum content to introduce the student to basic medical/surgical nursing care across the health continuum.

NSG 1800 Transition Into Practical Nursing 3
Prerequisite: Completion of first year of Nursing. 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 1900 Transition into A.S. Nursing 1
Prerequisite: Completion of first year of Nursing. Designed to assist the licensed pratical nurse in adapting to the new role of a registered nurse as provider, manager and member of the nursing profession. Orientation to conceptual framework of SLCC nursing.

NSG 2200 Advanced Med/Surg Nursing 6
Prerequisite: Completion of first year of Nursing. This course builds upon concepts introduced in Medical/Surgical I. Course content expands critical thinking and nursing interventions to incorporate the multi disciplinary team in the care of the medical/surgical clients.

NSG 2250 Pharmacology II 1
Prerequisite: NSG 1250. Continues to build upon the concepts introduced in Pharmacology I in the safe administration of medications of clients across the health continuum. .

NSG 2300 Community Nursing 3
Prerequisite: NSG 2200. Introduces the student to various health care delivery systems within the community. Holistic care is emphasized in providing primary, secondary and tertiary prevention to aggregrates across the health continuum.

NSG 2400 High Acuity Nursing 3
Prerequisites: NSG 2200. This course intregrates all previous curricular concepts into the care of the high acuity client. The student assumes the role of the provider and manager of care to clients with multi-system complex needs.

NSG 2500 Nursing Mgt, Trends and Issues 1-2
Prerequisite: NSG 2200. Introduces the student to current trends and issues affecting client care and the nursing profession. . .

NSG 2600 Mental Health Nursing 3
Prerequisite: NSG 2200. Intended to provide basic understanding of psychiatric nursing care principles to clients across the health continuum. care within the community and home.

NSG 2900 Pathophysiology 4
Prerequisite: BIOL 2050, BIOL 2060, BIOL 2100, and BIOL 2110. 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.

OTA 1020 Intro to Occupational Therapy 2
Students learn history, principles, philosophy of profession & scope of practice, work settings and specialty areas. Ethics, standards, legal issues and behavior addressed. Visits to local clinicians and field trips scheduled. Prerequisite: OTA 1020

OTA 1100 Functional Anatomy 4
Prerequisite: OTA 1020. Students to explore neuro-musculo-skeletal anatomy in depth. The relationship to function and occupation will be studied. Topics of neuroanatomy, musculo-skeletal systems covered.

OTA 1110 Pathophysiology 2
Prerequisite: OTA 1020. Students learn effects of disease process on humans. Physical, psychosocial impact on human occupation studied. Holistic therapeutic interventions introduced and discussed.

OTA 1120 OT Modalities Lecture 2
Prerequisite: 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 Lab 1
Prerequisite: OTA 1020. Students learn practical application of lecture content.

OTA 1140 Physical Dysfunction Lecture 3
Prerequisite: 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
Prerequisite: OTA 1020. Students learn practical application of lecture content.

OTA 1170 Phys Dysfunction Field Wk I Ex 2
Prerequisite: OTA 1020. Students will obtain clinical experience in adult physical dysfunction specialty area. FW sites will be arranged by OT faculty & will consist of 30 hours of off-campus observation and participation at a physical rehab facility.

OTA 1210 OT Professional Issues I 2
Prerequisite: 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.

OTA 1220 OT Modalities II Lecture 2
Prerequisite: OTA 1120. Students will learn theory of assistive technology and application of upper extremity splinting, prostheses, ortho devices, computer technology and environmental controls.

OTA 1230 OT Modalities II Lab 1
Prerequisite: OTA 1130. Students learn practical application of lecture content.

OTA 1240 Physical Dysfunction II 3
Prerequisite: OTA 1100, OTA 1110, concurrent with OTA 1250. Students learn how occupational performance is affected by human motion across the life span & types of disabilities. Students learn how OT interventions & community resources impact functional performance.

OTA 1250 Physical Dysfunction II Lab 1
Prerequisite: OTA 1100, OTA 1110, concurrent with OTA 1240. Students learn practical application of lecture content.

OTA 1270 Pediatric FW Experience 2
Prerequisite: 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.

OTA 1280 Pediatric/Adolescence Lecture 3
Prerequisite: OTA 1100, OTA 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
Prerequisite: OTA 1100, OTA 1110. Students learn practical application of lecture content.

OTA 2310 OT Professional Issues II 2
Prerequisite: 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.

OTA 2320 OT Modalities Lecture III 2
Prerequisite: OTA 1220. Students will learn to use hand tools and basic craft techniques for therapeutic application, skill development, activity analysis, and group therapy process.

OTA 2330 Modalities III Lab 1
Prerequisite: OTA 1130, OTA 1230. Students learn practical application of lecture content.

OTA 2340 Psychosocial Behavior 3
Students will study psychosocial dysfunction across life. Prerequisite: OTA 1140, OTA 1280. OT interventions through current OT frames of reference, and treatment planning interventions including group dynamics and operations.

OTA 2350 Geriatrics 3
Prerequisite: OTA 1140, OTA 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.

OTA 2380 Psychosocial/Geri FW I Exper 2
Prerequisite: OTA 1170, OTA 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.

OTA 2450 Fieldwork Experience II Part 1 6
Prerequisite: OTA 1170, OTA 1270 and OTA 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.

OTA 2460 Fieldwork Experience II Part 2 6
Prerequisite: OTA 1170, OTA 1270, and OTA 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.

OTA 2960 OT and PT in the Workplace 2
Prerequisite: 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
Prerequisite: 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
This course overviews concepts relevent 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
Prerequisite: 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 2000 Health Issues 2
Course orients students to health issues as they relate to individuals with disabilities. Students learn to recognize and respond appropriately to emergencies and other health-related issues that may arise in the classroom.

PED 2150 Introductory Experience 3
Prerequisite: 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 Intro Experience Practicum 1
Prerequisite: Concurrent with 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 2990 Special Studies in Paraed 1-3
Prerequisite: 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
Appliced 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
Theory and application of soldered and brazed joints, pipe preparation, and reaming.

PFA 1140 Principles of Technology 2
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
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
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 1210 Gas Installations 2
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 Systems 2
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
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
This course provides the student with basic principles and practices of plan drafting and interpretation.

PFA 1800 Job Safety and Heritage 2

PFA 2151 Welding I 2
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
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
Advanced plate welding and certification. Introduction to pipe welding.

PFA 2154 Welding IV 2
Advanced welding practices in the pipefitting industry, preparation for certification and code welding methods.

PFA 2155 Welding V 2
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
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
Advanced welding practices in the pipefitting industry, preparation for certification and code welding methods.

PFA 2158 Welding VIII 2
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
Advanced plate welding and certification. Introduction to pipe welding.

PFA 2160 Welding X 2
Advanced welding practices in the pipefitting industry, preparation for certification and code welding methods.

PFA 2161 Pipe Bending 2
Theory and application of practical pipe bending and methods utilized in the industry.

PFA 2311 Pumps and Steam Systems 2
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
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 2
Utilization of drainage in commercial and industrial applications including various materials, applicable piping for drainage systems, installation and joint connections.

PFA 2351 Drainage 2
Industrial and commercial drainage systems, sumps, drain fields, hazardous material handling.

PFA 2360 Water Supply 2
Water supply systems including potable and non-potable water systems. Material usage and application.

PFA 2361 Water Supply 2
Advanced water supply system study including commercial and industrial applications.

PFA 2441 Advanced Plan Reading 2
Study of isometric pipe and plumbing drawings and shop drawings as used in the industry.

PFA 2450 Bldrs Level and Special Inst. 2
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
Advanced course in hydronics systems, use and installation and fabrication of joints and materials.

PFA 2470 Plumbing Fixtures, Appliances 2
Detailed course in plumbing fixtures and appliances used in the industry including use, installation, and code requirements.

PFA 2541 Medical Gas Certification 2
Instruction on requirements and competencies for Certification in medical gas installation and repair.

PFA 2550 Back Flow Testing Cert. 2
Instruction on code and Utah requirements and competencies for Certification to install and/or repair back flow prevention systems.

PFA 2551 General Pipefitting 2
This course introduces students to general pipefitting principles and techniques.

PFA 2560 International Plumbing Code 2
Detailed course on the International Plumbing Code with any amendments and provisions.

PFA 2570 Test Prep-Code 2
New code updates and amendments as needed and practical hands on applications.

PFA 2571 Test Prep-Math 2
Applied mathematical conclusions for plumbing and pipefitting code applications and installation.

PFA 2572 Test Prep-Shop 2
Safety requirements and detail work in shop environments including tools, materials, and msd sheets.

PFA 2575 Test Prep-Code 2
New code updates and amendments as needed and practical hands on applications.

PFA 2576 Test Prep-Math 2
Applied mathematical conclusions for plumbing and pipefitting code applications and installation.

PFA 2577 Test Prep-Shop 2
Safety requirements and detail work in shop environments including tools, materials, and msd sheets.

PFI 1110 Independent Pipefitting 1A 5
This introductory course will put emphasis on drawing and sketching in relation to architectural drawings, isometric single-line pipe sketching, dimensioning, and working drawings.

PFI 1120 Independent Pipe Fitting 1B 5
This course covers the fundamental mathematics for plumbers and pipefitters. Also included will be piping drawings, isometric pipe drawings, interpreting residential blueprints and commercial building blueprints.

PHAR 1010 Intro. to Pharmacy Practice 2
Prerequisite: MATH 0920 or MATH 0950 or 57 on CPT. 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 I 2
Prerequisite: MATH 0920 or MATH 0950 or 57 on CPT. Course discusses the nature of drugs, drug absorption and patient variables that affect drug therapy. Course begins to evaluate the classificiations and therapeutic use of drugs.

PHAR 1030 Compounding/Sterile Products 2
Prerequisite: PHAR 1010, PHAR 1020. 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
Prerequisite: MATH 0920, MATH 0950, or CPT placement into MATH0970. 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
Prerequisite: Concurrent with PHAR 1010. 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 1060 Pharmacology II 2
Prerequisite: PHAR 1020 Course is a continuation of PHAR 1020. It continues with evaluation of further drug classifications and therapeutic use of those drugs.

PHAR 1070 Fieldwork Preparation 3
Prerequisite: PHAR 1010, PHAR 1020, concurrent w/PHAR 1030. 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.

PHIL 1010 Intro to Philosophy (HU) 3
Students look closely at themselves and the world they live in through readings, discussions and lectures on varying philosophical views concerning truth, reality, and values.

PHIL 1110 Personal Ethics (ID) 3
This course challenges students to confront ethical systems and questions as they relate to their own lives. Students will explore a variety of philosophical views on personal and societal issues.

PHY 1010 Elementary Physics (PS) 3
Conceptual survey course in introductory physics. For non-science majors. Principles of mechanics, heat light, sound, electricity, magnetism and modern physics.

PHY 1270 Conceptual Astronomy (PS) 3
Structure, scale and behavior of the universe and its underlying laws presented in a conceptual format. Formation and workings of the sun and planets. Earth as a planet and as a reference for reckoning of the celestial sphere.

PHY 2010 Mechanics, Heat and Waves 4
Prerequisite: MATH 1060, concurrent w/PHY 2030. 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.

PHY 2020 Elect, Mag and Modern Physics 4
Prerequisite: PHY 2010, concurrent with PHY 2040 Continuation of PHY 2010. Laws of electricity and magnetism optics and light, modern atomic theory, nuclear physics and an overview of relativity.

PHY 2030 Physics Lab I 1
Prerequisite: Concurrent with PHY 2010. Graded laboratory concurrent with PHY 2010.

PHY 2040 Physics Lab II 1
Prerequisite: Concurrent with PHY 2020. Graded laboratory concurrent with PHY 2020.

PHY 2110 Physics Problem Session 1
Problem session for PHY 2010, based on the lecture class. Though not required, students are strongly encouraged to register for this session.

PHY 2120 Physics Problem Session 1
Problem session for PHY 2020, based on lecture classes. Though not required, students are strongly encouraged to register for this session.

PHY 2210 Engineering Physics I 4
Prerequisite: MATH 1210, concurrent with PHY 2230. For engineering and science majors. Competence in algebra and trigonometry assumed. Newton's laws of motion and mechanics presented with calculus. Work, energy, solid body motion, fluid motion, gravity, vibrations, harmonic motion.

PHY 2220 Engineering Physics II 4
Prerequisite: PHY 2210, MATH 1220, concurrent with PHY 2240. Continuation of PHY 2210. Laws of electricity and magnetism, AC circuits, optics and waves. Use of computers in problem-solving.

PHY 2230 Engineering Physics Lab I 1
Prerequisite: Concurrent with PHY 2210. Graded laboratory taken concurrently with PHY 2210.

PHY 2240 Engineering Physics Lab II 1
Prerequisite: Concurrent with PHY 2220, Graded laboratory taken concurrently with PHY 2220.

PHY 2310 Physics Problem Session 1
Problem session for PHY 2210, based on lecture classes. Though not required, students are strongly encouraged to register for this session.

PHY 2320 Physics Problem Session 1
Problem session for PHY 2220, based on lecture classes. Though not required, students are strongly encouraged to register for this session.

PHY 2710 Physics for Sci, Engineers 3
Prerequisite: MATH 2210, MATH 2250, PHY 2220, PHY 2240 with C. 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. Use of computers in problem solving.

PHY 2720 Lab for Physics for Sci, Engin 1
Prerequisite: Concurrent with PHY 2710. Graded laboratory to be taken concurrently with PHY 2710.

PLI 1110 Plumbing I A 5
Prerequisites: CPT exam scores, 74 Arithmetic, 35 Algebra. 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 & the study of water sources and gases are covered.

PLI 1120 Plumbing IB 5
Prerequisite: 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
Prerequisite: PLI 1120. Installation practices, introduction to blueprint reading & 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 IIB 5
Prerequisite: 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 5
This is a customized plumbers' course in applied mathematics for the trades including algebraic and trigonometric functions.

PLI 2000 Plumbing CO-OP 3-5
Prerequisite: Instructor approval. College credit for experience on the job site. Arranged in College credit for experience on the job site. Arranged in advance. Requirements are determined by the employer.

PLI 2310 Plumbing IIIA 5
Prerequisite: 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 taught.

PLI 2320 Plumbing III B 5
Prerequisite: 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 IVA 5
Prerequisite: PLI 2320. Installation practices, repair and service work. Blueprint reading, indirect water sytems and special waste systems. Hydraulic theory, heating systems and their practical application.

PLI 2420 Plumbing IVB 5
Prerequisite: 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
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
Special course requested by the Utah State Licensing Board for applicant plumbers to review lab projects prior to retaking practical journeyman's examination.

PLS 1010 Introduction to Law 3
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 also will overview most substantive areas of law.

PLS 1020 Intro to Civil Litigation 3
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.

PLS 1030 Intro to Research & Writing 3
Prerequisite: ENGL 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.

PLS 1050 Legal Research & Writing II 3
Prerequisite: PLS 1020, 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 course with B- or better.

PLS 1070 Criminal Law & Procedure 3
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.

PLS 1080 Contracts 3
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.

PLS 1100 Bankruptcy and Collections 3
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.

PLS 1110 Wills, Probate and Estates 3
Course covers preparation of wills, deposition of property other than by will, probate administration and estate litigation. Estate planning and functions of paralegals in this legal area discussed.

PLS 1120 Paralegal Proc. I 3
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.

PLS 1130 Administrative Law 3
This survey class covers variety of paralegal opportunities, duties and tasks available in the active practice of government offices and agencies.

PLS 1140 Environmental Law 3
Prerequisite: PLS 1010. 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.

PLS 1170 Family Law 3
The class focuses on Utah statutes and case law governing relationships between husband & wife and their relationship with their offspring. Also basic elements of marriage, divorce, alimony, property distribution and child custody.

PLS 1180 Evidence 3
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. Prerequisite: PLS 1070.

PLS 1190 Constitutional Law 3
Course exposes students to the history and substance of the Constitution & 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.

PLS 1300 Torts 3
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.

PLS 1530 Real Estate Law 3
Study of principles of title, ownership and transfer, joint tenants and tenants in common. Documents of conveyance, security instruments' notes & contracts, liens, foreclosures & redemptions, escrow and closing, public records, & taxes.

PLS 2000 Paralegal CO-OP 3-6
Prerequisite: PLS 2050. Course provides 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.

PLS 2010 Computer Essentials Paralegals 3
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
Prerequisite: PLS 1050. This course is designed to bring the research expertise gleaned in R & W I together with the writing abilities learned in R & W II. Course provides practical opportunity and experience preparing persuasive legal memoranda.

PLS 2070 Mediation 3
Prerequisite: Variable 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.

PLS 2090 Paralegal Practicum 3
Prerequisite: PLS 1010, 1030, 1050, 1120, 2010. Course provides students with practical experience working on actual research assignments and projects provided through the law and mediation center. Students will experience legal work both as individuals and members of a team.

PLS 2190 Ethics 3
Prerequisite: 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.

PLS 2200 Legal Portfolio 3
Prerequisite: All previous writing courses. 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.

PLS 2250 Securities 3
Prerequisite: PLS 1010. Federal and State statutes governing the offering and sale of securities, notes, stocks, bonds and debentures will be covered.

PLS 2260 Hollywood and the Law 3
Prerequisite: Variable. Course designed as an enjoyable examination of principles of law as portrayed by Hollywood. Students will study and discuss movies about issues of procedures & constitutional significance. Course designed for the short summer session.

PLS 2990 Special Studies 3
Prerequisite: Variable to topic. 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.

PMGT 2230 Work Design/Work Measurement 3
Prerequisite: MGT 2200, CIS 1020 or competency test. This course teaches the techniques of plant design and facility operation in order to maximize profits. Emphasis on finding preferred work method through motion study/ method design; determining standard time to perform specific tasks.

PMGT 2250 Production Management 3
Prerequisite: BUS 1050, MGT 2200. This course contains core production and operations activities. Introduction to the field of production and operations management will include examination of planning, analysis, control and current computer software.

PMGT 2350 Integrated Production Systems 3
Prerequisites: MGT 2250, MGT 2230. Focus on how various aspects of production management integrate within context of the entire production system. Planning, scheduling, inventory control, quality,design and measurement, automated manufacturing/plant layout included.

PMGT 2600 Statistical Quality Control 2
Prerequisite: MGT 2200, MGT 2300 (recommended). The course will focus on Statistical Quality Control. Basic principles, theories and applications of quality control and related topics of probability, reliability, product liability and quality cost and planning will be addressed.

PMGT 2700 Mgt. of Automated Mfg. Systems 3
Prerequisite: MGT 2230, MGT 2250, MGT 2600. Analysis of automation including use of microprocessors, computer-aided manufacturing, computer-integrated manufacturing, computer-aided design and numerical control are covered.

PMGT 2990 Special Topics/Production 1-3
Students will be introduced to various topics in production management. Topics relevant to production management will be studied to enhance preparation for work and/or continued study of production management.

POLI 1020 Political Ideologies (SS) 3
This surveys significant political ideologies, documenting their present and past relevance to society. Emphasis is placed on conservatism, fascism, liberalism and socialism.

POLI 1100 US Government & Politics (AI) 3
This is a survey of the institutions and practices of the U.S. government with emphasis placed on political behavior and social conflict.

POLI 1110 Intro State/Local Government 3
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.

POLI 1900 Special Studies 1-2
Prerequisite: Instructor approval Under the instructor supervision, an individualized curriculum is jointly developed and followed.

POLI 2000 Internship 2-4
Prerequisite: Instructor approval. Students undertake a supervised hands-on experience in the public sector such as election, legislative and administrative processes.

POLI 2020 Legislative Decision Making 2
In this course, students learn the dynamics of decision making in an orderly and efficient manner with special attention to the legislative process.

POLI 2100 Intro International Politics 3
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.

POLI 2160 Politics in Action 2
This course acquaints the student with the basic concepts of the American election process, how to become involved and participate in a campaign of their choice.

POLI 2200 Intro to Comparative Politics 3
This course analyzes how political systems differ in terms of institutions, ideologies and political practices. The course looks at past as well as present governments.

POLI 2900 Special Topics 1-3
Prerequisite: Instructor approval. This is a course designed by faculty which allows students to explore specific interest areas of political science in a classroom setting.

POLI 2950 Leadership 2
This multi-disciplinary course will focus on leadership and management skills, including communication, motivating, problem solving, conflict management and goal setting with an emphasis on personal growth.

POLI 2960 Leadership 2
This multi-disciplinary course will focus on leadership and management skills, including communication, organizational behavior, problem solving, resource management, delegating and goal setting.

POR 1010 Beginning Portuguese I 5
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 survival and social situations. Lab attendance required.

POR 1020 Beginning Portuguese II 5
Prerequisite: 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 survival and social situations. Lab attendance required.

POR 1300 Beginning Conversation 1
Prerequisite: 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
Prerequisite: 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
Prerequisite: POR 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.

POR 2020 Intermediate Portuguese II 4
Prerequisite: POR 1020 or instructor approval. Fourth 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.

POR 2300 Conversation 1
Prerequisite: 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
Prerequisite: 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 Intro to Portuguese Film 3
Prerequisite: 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
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
A basic survey of psychology emphasizing common problems of life including learning, motivation, emotion, personality, human growth and development and physiological psychology.

PSY 1400 Personal Growth / Development 3
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 1500 Human Growth & Development(SS) 3
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 1900 Special Studies 1-2
Under an instructor supervision, students develop and follow an individualized curriculum. Prerequisite: PSY 1010 or instructor approval

PSY 2000 Psychology CO-OP Education 2-4
Prerequisite: PSY1010, Sophomore w/2.0GPA, study related employ. 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 2200 Social Psychology 3
Prerequisite: ENGL 1010, 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 2250 Personality Theory 3
Prerequisite: ENGL 1010, 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
Prerequisite: ENGL 1010, 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 2370 Gender Roles in America (SS) 3
Examines the significance and impact of gender in American society; social construction of gender; connections between biological sex and gender roles; theories of gender socialization; and impact of gender on identity.

PSY 2400 Eco-Psychology 3
Prerequisite: PSY 1010. Blended class, online and field school combination. Eco-psychology is the interaction of self and the environment. Examines how the environment affects us and how we impact the environment.

PSY 2500 Psychilogy: Statistical Methods 3
Prerequisite: PSY 1010. Application of statistical methods to psychological research, including basic descriptive statistics, hypothesis testing and correlation. A lab is also included.

PSY 2650 Psychology: Research Methods 3
Prerequisite: ENGL 1010, PSY 1010, PSY 2500. Naturalistic, case study, correlational and experimental research methods will be taught. A lab is also included.

PSY 2710 Brain and Behavior 3
Prerequisite: PSY 1010. Examines the biology of behavior with emphasis on underlying neural mechanism, the interaction between genes and environment in determining who we are, and the evolutionary pressures that have shaped mind.

PSY 2900 Special Topics in Psychology 1-3
Prerequisite: 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 Intro to Physical Therapy 2
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 3
Prerequisite: 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 4
Prerequisite: PTA 1500 and acceptance into technical program. Students will explore neuro-musculo-skeletal anatomy in dept and relate to functional activity. Topics include neuroanat structure and function of the musculo-skeletal system, and components of human motion.

PTA 2030 Pathophysiology 2
Prerequisite: Admission into technical portion of program. Students will be study organ systems in the human body and selected disease processes which affect those systems. Essentials of clinical pharmacology and role of medication in disease management will be discussed.

PTA 2100 Patient Care Skills 2
Prerequisite: 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
Prerequisite: Admission into technical portion of program. Students practice patient care skills, body mechanics, trans use of mobility devices, and medical documentation.

PTA 2200 Therapeutic Modalities 2
Prerequisite: 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
Prerequisite: Admission into technical portion of program. Students practice applications of therapeutic modalities using heat, cold, radiation, and electricity.

PTA 2300 Principles of Therapeutic Exer 2
Prerequisite: PTA 2010, PTA 2030, PTA 2100. Students learn the principles and techniques of therapeutic exercise.

PTA 2310 Princ of Therapeutic Exer Lab 2
Prerequisite: PTA 2010, PTA 2030, PTA 2110. Students practice techniques of therapeutic exercise, including uses of specialized exercise equipment.

PTA 2350 Clinical Assessment/PTA 2
Prerequisite: PTA 2010, PTA 2100. Students develop competency in critical assessment skills including manual muscle testing, range of motion assessment, evaluation of posture and gait, balance assessment, and selected special tests.

PTA 2360 Clinical Assess./PTA Lab 2
Prerequisite: PTA 2010, PTA 2100. Students learn how to implement clinical assessment skills including manual muscle testing, range of motion, posture and gait, balance, and selected special tests.

PTA 2400 Musculoskeletal Disorders 2
Prerequisite: PTA 2030, PTA 2100, PTA 2200. Students will learn principles of management of common orthopedic disorders including post-surgical, orthopedic, industrial, and amputations.

PTA 2410 Musculoskeletal Disorders Lab 1
Prerequisite: PTA 2030, PTA 2110, PTA 2210. Students will develop treatment skills for post-surgical, orthopedic, industrial, and amputation clients.

PTA 2450 Neurological Disorders 2
Prerequisite: PTA 2010, PTA 2030. Students will learn principles and components of physical therapy procedures for the neurological patient.

PTA 2460 Neurological Disorders Lab 2
Prerequisite: PTA 2030, PTA 2310, PTA 2360. Students implement physical therapy techniques and design treatments for selected neurological disorders.

PTA 2510 PT for Specific Clientele 2
Prerequisite: PTA 2010, PTA 2100, PTA 2200. Student learn principles and components of physical therapy treatments for OB/GYN, cardiopulmonary, pediatric and adolescent disorders.

PTA 2520 PT for Specific Clientele Lab 1
Prerequisite: PTA 2010, PTA 2110, PTA 2210. Students implement physical therapy techniques and design treatments for OB/GYN, cardiopulmonary, pediatric and adolescent disorders.

PTA 2530 Gerontology 1
Prerequisite: PTA 2030, PTA 2300. 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
Prerequisite: PTA 2300, PTA 2400, PTA 2600. Students will learn the psychological aspects of the rehabilitation process. Topics include health focus of control, learned helplessness, self-efficiency and the biopsycho-social model of treatment.

PTA 2600 Clinical Experience I 2
Prerequisite: PTA 2030, PTA 2100, PTA 2200. Students will participate in supervised clinical experience in physical therapy department affiliated with the College.

PTA 2650 Clinical Experience II 2
Students will participate in supervised clinical experience in physical therapy departments affiliated with the College and the application of physical therapy procedures in the treatment of patients.

PTA 2700 Clinical Affiliation 12
Prerequisite: PTA 2450, PTA 2600, PTA 2650. 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 2750 Seminar for PTAs 1
Prerequisite: PTA 2550, PTA 2450. Students will integrate principles of academic learning with clinical practice, discussion, and presentation of current trends and issues in PT, along with professional job reviews, and development of employment skills.

PTA 2850 Special Topics for PTAs 2
Prerequisite: Instructor approval. This is a special studies course to prepare students for the national licensing examination.

PTA 2950 Sports Physical Therapy 2
Prerequisite: 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
Prerequisite: 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 Intro to Radiologic Technolog 2
Exploration into the field of radiography and its role in health care delivery. Fundamental radiography concepts to include radiation protection, medical terminology, ethics, professional development and hospital operations.

RADS 1020 Rad. Anatomy & Procedures I 4
Prerequisite: Admission to 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
Prerequisite: Admission to program. Atomic structure, imaging equipment, film, screens, wet and dry processing. Production and properties of x-rays and radiographic quality to include density, contrast, detail and distortion.

RADS 1040 Clinical Education I 4
Prerequisite: Admission to program. Covers the role of a radiographer as patient care provider. Standard precautions, immobilization, lifting, emergencies, vital signs, oxygen and suction, asepsis and infection control, history taking, communication and patient education.

RADS 1050 Patient Care 2
Prerequisite: Admission to program. Covers the role of a radiographer as patient care provider. Standard precautions, immobilization, lifting, emergencies, vital signs, oxygen & suction, asepsis & infection control, history taking, communication and patient education.

RADS 1110 Radiation Protection 2
Prerequisite: 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 Rad. Anatomy & Procedures II 4
Prerequisite: RADS 1020. This course covers anatomy and procedures of: the spine, pediatrics, thorax, skull, sinuses and facial the spine, pediatrics, thorax, skull, sinuses and facial osteoporosis.

RADS 1130 Radiographic Imaging II 4
Prerequisite: 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
Prerequisite: 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 Rad. Anatomy & Procedures III 2
Prerequisite: RADS 1120. This course covers anatomy and procedures of: the gastro-intestinal and genito-urinary systems.

RADS 1240 Clinical Education III 3
Prerequisite: 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
Prerequisite: 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 Rad. Anatomy & Procedures IV 2
Prerequisite: 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
Prerequisite: 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
Prerequisite: 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
Prerequisite: 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 Radiologic and Health Physics 2
Prerequisite: RADS 1110. Interactions of radiation with living systems. Radiation effects on molecules and organisms. Factors affecting biological response. Acute and chronic effects of radiation exposure. Principles related to health physics.

RADS 2100 Comprehensive Radiology 3
Prerequisite: RADS 2010. A review of radiology knowledge learned throughout the program to prepare students to pass the ARRT exam. Portfolios are developed and professional growth is explored.

RADS 2110 Radiographic Pathology 2
Prerequisite: RADS 2050. Students learn causes, signs and symptoms of diseases. Students will identify pathology on radiographs. Course includes how diseases impact performance of exams. Technical factors and patient care issues are discussed.

RADS 2120 Sectional Anatomy 2
Prerequisite: RADS 2020. Covers understanding and identification of abdominal, brain, and thoracic anatomy as seen on sagittal, coronal, axial and other images using the modalities of CT and MRI.

RADS 2140 Clinical Education V 4
Prerequisite: RADS 2040. Students attend a clinical setting 24 hours a week. Emphasis on performing with accuracy and efficiency. Students gain entry level skills.

RDG 0900 Developmental Reading 6
Prerequisite: CPT reading comprehension score below 55. 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
Prerequisite: RDG 0900. w/C or minimum 55 on CPT reading. Whole language format that develops critical thinking and comprehension skills. Prepares students to become full participants in courses requiring college-level reading.

REAP 1620 Foundations of Real Estate Appraising 2
Teaches basic principles of real property value, appraisal reports, site analysis, evaluation, market area analysis and capitalization. HP 12C Financial Calculator or equivalent required.

REAP 1630 Residential Appraisal 2
Prerequisite: REAP 1620. This course covers market data and collection analysis for residential properties and development of costs, sales comparisons and income approaches. HP 12C Financial Calculator or equivalent required.

REAP 1650 Real Estate Development and Finance 2
Prerequisite: REAP 1630. Course provides a step-by-step analysis of the real estate development processes, building design and construction, project financing & budgeting, leasing, property appraisal, tax issues & the sale of real estate. HP 12C Financial Calculator or equivalent required.

RFA 1110 Refrigeration I Mathematics 7
Prerequisite: Instructor approval. History of the pipe trades, care and use of tools, basic instruction in steam fitter/pipe fitter, soldering, brazing, oxy-acetylene cutting and shielded metal arc welding are taught.

RFA 1120 Refrigeration IB 7
Prerequisite: Instructor approval. Math, rigging, signaling, blueprint reading and interpretation will be covered.

RFA 1210 Refrigeration IIA 7
Prerequisite: Instructor approval. Basic electricity, blueprint drawing and interpretation and science of steam fitter/pipe fitter will be taught.

RFA 1220 Refrigeration IIB 7
Prerequisite: Instructor approval. Shielded metal arc welding will be taught.

RFA 2300 Electrical Controls 2
This course covers equipment, tools, and codes associated with electrical components of refrigeration.

RFA 2310 Steam Systems 2
Prerequisite: Instructor approval. Electric pumps and steam systems and refrigeration will be covered.

RFA 2320 Refrigeration IIIB 7
Prerequisite: Instructor approval. Refrigeration and controls, steam systems and hydronic systems will be studied.

RFA 2350 Refrigeration I 2
History of pipetrades, care and use of tools, basic instruction in steam fitter/pipefitter, math rigging, signaling, blueprint reading and intrepretation will be covered.

RFA 2400 Air Conditioning I 2
This course introduces refrigerant principles and the basics of air-conditioning.

RFA 2410 Troubleshooting 2
Prerequisite: Instructor approval. Students will learn pipe drafting, hydronic systems two and air-conditioning.

RFA 2420 Refrigeration IV B 7
Prerequisite: Instructor approval. Air-conditioning II and pneumatic controls will be reviewed.

RFA 2450 Chillers 2
Theory and practical application of chillers including components, pumps, safety, and inspection.

RFA 2500 Shop Projects 2
This course allows students to complete hands-on projects in a supervised shop environment.

RFA 2510 Evaporators, Compressors, Cond 2
Prerequisite: 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
Prerequisite: 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
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
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 Cntrl 2
Theory and hands on application of control and measurement instruments and process control including computer oriented control systems.

RFA 2570 Pneumatic Controls 2
Theory and hands on application study of pneumatic controls, materials for installation, trouble-shooting, and repair.

RFA 2580 Air Conditioning II 2
Advanced theory and hands on application of air conditioning principles, air handling equipment, installation, repair, and trouble-shooting.

RFA 2590 Refrigeration II 2
Advanced theory and hands on application of refrigeration principles, equipment, installation, repair, troubleshooting and advanced specialty equipment needs and requirements.

RFA 2600 Adv. Electricity & Electronics 2
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
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
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 survival and social situations. Lab attendance required.

RUS 1020 Beginning Russian II 5
Prerequisite: 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 survival and social situations. Lab attendance required.

RUS 1300 Beginning Conversation 1
Prerequisite: 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
Prerequisite: 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
Prerequisite: RUS 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.

RUS 2020 Intermediate Russian II 4
Prerequisite: RUS 2010 or instructor approval. Fourth 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.

RUS 2300 Conversation 1
Prerequisite: 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 Literature 3
Prerequisite: 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 Intro to Russian Film 3
Prerequisite: 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
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
The first in a four-course series focusing on five skills: listening, speaking, reading, writing and culture to develop functional language ability in survival & social situations. Emphasis is on proficiency. Attendance in lab is required.

SAM 1020 Beginning Samoan II 5
Prerequisite: SAM 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 & social situations. Emphasis is on proficiency. Attendance in lab is required.

SAM 1300 Beginning Conversation/Samoan 1
Prerequisite: 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 reuqired. Course may be repeated for credit.

SAM 1900 Special Studies in Samoan 1-2
Prerequisite: Instructor approval. Students plan areas of study, service learning or travel & 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 2010 Intermediate Samoan I 4
Prerequisite: SAM 1020 or instructor approval. The second year of Samoan focuses on five skills: listening, speaking, reading, writing and culture to develop functional language ability in survival & social situations. Emphasis is on proficiency. Attendance in lab is required.

SAM 2020 Intermediate Samoan II 4
Prerequisite: SAM 1020 or instructor approval. The second year of Samoan focuses on five skills: listening, speaking, reading, writing and culture to develop functional language ability in survival & social situations. Emphasis is on proficiency. Attendance in lab is required.

SAM 2300 Intermediate Conversation 1
Prerequisite: 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.

SAM 2900 Special Topics in Samoan 1-3
This is a course designed by faculty which allows students to explore specific interests in Samoan language and culture. Lab attendance is required. May be repeated for credit.

SCI 1000 Integrated Science (ID) 3
Presents a broad overview of science, and is process and skills oriented, focusing on science and society, scientific thought, tools of science, and the skills required for science. Three hours of lecture per week.

SHA 1110 Stagehands 1A 5
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 1B 5
Theatre history, stagecraft responsibilities and proper handling and storage of set pieces, and wardrobe.

SHA 1210 Stagehands 2A 5
Theory and practical application including lamps and cables, Trade Shows set-up and maintenance. Also costume dressing and management.

SHA 1220 Stagehands 2B 5
Theory and hands-on application for sound, lighting boards, forklift operation and certification, and construction and repair of stock scenery pieces.

SHA 2000 Stagehand CO-OP 2-4
College credit for experience on the job site. Arranged in advance. Requirements are determined by the employer.

SHA 2310 Stagehands 3A 5
Theory and practical hands-on application of stage carpentry and electrical, and instruction in Trade Show Electrical.

SHA 2320 Stagehands 3B 5
High lift and trade show rigging, audio-visual equipment and software, and an introduction to work within the film and movie industry.

SLI 1050 Health Interpreting 2
Overview of issues relevant to spoken language for health care settings. Medical terminology, interpreting, skills, multi-cultural perspectives in health care. Students must be fully bilingual in English and another language. Prerequisite: Bilingual in English and another language

SMA 1110 Sheet Metal IA 5
This introductory course presents curriculum in shop safety, tools and equipment, tool maintenance and fabrication. Seams, how they are designed and installed, and drafting also are covered. Prerequisite: Instructor approval.

SMA 1118 Sheet Metal Welding 5
Specialty welding course for sheet metal industry offered at the specific request of industry with variable curriculum.

SMA 1120 Sheet Metal IB 5
Prerequisite: Instructor approval. Applied techniques and principles of soldering, drafting, beginning lay-out and safety are presented in this course. Asbestos abatement and safety are discussed & the importance of identification & material handling are covered.

SMA 1180 Sheet Metal Welding II 5
Specialty welding course for sheet metal industry offered at the specific request of industry with variable curriculum.

SMA 1210 Sheet Metal IIA 5
Prerequisite: SMA 1120. This is a continuation of pictorial drawings, blueprint reading and pattern development.

SMA 1220 Sheet Metal IIB 5
Prerequisite: Instructor approval. Course studies flashings, their design and purposes, metal roofs, designs and efficiency and vents. Code requirements for ventilation and fire protection, including dampers both manual and automatic are reviewed.

SMA 2000 Sheet Metal CO-OP 2-4
Prerequisite: Instructor approval. College credit for experience on the job site. Arranged in advance. Requirements are determined by employer.

SMA 2310 Sheet Metal IIIA 5
Prerequisite: Instructor approval. This is a study of complete heating and cooling systems including layout and design. Various fan needs and uses, fan balancing and air balancing are discussed and presented to students.

SMA 2320 Sheet Metal IIIB 5
Prerequisite: Instructor approval. This is an in-depth study of architectural drawings, shop drawings and computer-aided drafting. Applied techniques of rigging and moving large or heavy objects in a combined space will be examined.

SMA 2410 Sheet Metal IVA 5
Prerequisite: Instructor approval. Supervision, management, responsibilities involved and reporting process. Jobs and work schedules to accommodate all of the phases, computer estimating including material and labor costs.

SMA 2420 Sheet Metal IVB 5
Prerequisite: Instructor approval. Electricity and application including low voltage, controls and control processes. Clean rooms & protocol for erecting a clean room environment; air quality; and blowpipe systems.

SMA 2480 Sheet Metal Blueprint Reading 5
Specialty blueprint reading course for the sheet metal industry. Includes symbols, codes, material usage, types of fabrication and usage.

SMA 2510 Sheet Metal Specialty 5
Special sheet metal course requested by industry for variable subjects and curriculum to meet industry needs.

SOC 1010 Intro to Sociology (SS) 3
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
Cultural, economic and social 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
Prerequisite: SOC 1010. Under the instructor supervision, students develop and follow an individualized curriculum.

SOC 2150 Social Psychology 3
Prerequisite: SOC 1010 or PSY 1010. Social psychology focuses on understanding the behavior of individuals in social contexts. It is concerned with how and why individuals behave, think, and feel as they do in their social interactions.

SOC 2370 Gender Roles in America (SS) 3
Social construction of gender, connections between biological sex and gender; theories of gender socialization; impact of gender on relationships and communication; connection between social institutions and gender.

SOC 2380 Marriage and Family 3
Prerequisite: 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 2400 IntermountainWest & People(ID) 3
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 2630 Race and Ethnic Relations 3
Prerequisite: 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
Prerequisite: 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
Prerequisite: 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
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 survival and social situations. Lab attendance required.

SPN 1020 Beginning Spanish II 5
Prerequisite: 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 survival and social situations. Lab attendance required.

SPN 1300 Beginning Conversation 1
Prerequisite: 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 1-3
Prerequisite: 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
Prerequisite: SPN 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.

SPN 2020 Intermediate Spanish II 4
Prerequisite: SPN 2010 or instructor approval. Fourth 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.

SPN 2300 Conversation 1
Prerequisite: 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 Literature 3
Prerequisite: 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 Intro to Spanish Film 3
Prerequisite: 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
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.

SURG 1200 Intro to Surgical Technology 6
Fundamentals course in Surgical Technology.

SURG 1300 Beginning Surgical Practicum 6
Prerequisite: Admission into technical program. This course is a co-op education work experience in a clinical health facility under the direct supervision of the personnel in facility. Student expected to meet objectives.

SURG 2200 Advanced Surgical Theory 6
Prerequisite: SURG 1200. Course introduces student to more advanced surgical practices, such as circulating duties, equipment and surgical procedures.

SURG 2300 Advanced Surgical Practicum 6
Prerequisite: SURG 1300. 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
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 3
Prerequisite: SVT 1110 or MATH 1060. This provides hands-on experience with survey equipment. Horizontal traverses, levels, distance measuring techniques & devices, including how to take field notes, are explored.

SVT 1110 Surveying Math I 4
Prerequisite: MATH 1010 or CPT score. Considers survey applications of algebra, trigonometry and analytic geometry. Includes bearing systems, elevations, traverse, adjustments & measurements corrections, horizontal/vertical curves, areas & volumes, partitioning of land. division calculations and intersections.

SVT 1120 Surveying Math II 4
Prerequisite: 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
Prerequisite: Sophomore w/minimum 2.0 GPA. study related employm. 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 & program.

SVT 2020 Public Land Surveying 3
Prerequisite: SVT 1030 and SVT 1120. Covers a detailed study of land systems, including general & special instructions, lost & obliterated corners, single & double proportion, monumentation, riparian boundaries laps, hiatuses mineral surveys & official survey documents.

SVT 2030 Advanced Surveying Techniques 3
Prerequisite: SVT 1030. Field experience in GPS fundamentals and data collection: survey of public lands/state plane coordinate systems,radial surveying, RTK/STATIC methods for control surveys,transverse mercator projection, vector processing/adjustment,coordinate creation.

SVT 2040 Control Surveys 3
Prerequisite: 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
Prerequisite: ENGL 2100, SVT 1120, SVT 2020 or concurrent. This course is about writing and understanding survey legal descriptions. Latent & patent ambiguities, basis of bearing and interpretation of terms are integrated into the course.

SVT 2060 Ethics and Liability 2
This is a course study of professional practice(s) with emphasis on survey liability cases.

SVT 2100 Land Development 3
Prerequisite: 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
Prerequisite: SVT 1110. This course is an in-depth study of photo identification, stereographic interpretation, geometry and measurements from aerial photography.

SVT 2120 Land Information Systems 3
Computerized information networks and related land use are discussed and studied. Additionally graphic layering & case studies are conducted on various systems that are currently in use.

SVT 2160 Land Boundary Law I 2
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 & presumptions are discussed.

SVT 2170 Land Boundary Law II 2
Prerequisite: SVT 2160 recommended but not required. Course studies researching of common law, location of sequential conveyances, location of simultaneous conveyances and unwritten transfers.

SVT 2200 Public Records 2
Prerequisite: SVT 2160, SVT 2170 or concur. & SVT 2050 or concur. Students will study public records relating to land and its governing laws. This course requires tours of local record systems & law libraries. Extensive research & how to access & use the various systems will be explored.

SVT 2290 Applied Surveying Drafting 3
Prerequisite: 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
Prerequisite: Instructor approval. This course is designed so the students can work on special individualized projects under the supervision of the instructor.

SWK 1010 Introduction to Social Work 3
This is an introduction to the multi-skilled, multi-disciplinary role of the social worker within the community.

SWK 1900 Independent Studies 1-2
Prerequisite: SWK 1010. Under the instructor supervision, students will develop and follow an individualized curriculum.

SWK 2130 Human Behavior/Soc Environ 3
Prerequisite: SWK 1010. Students will study interrelatedness of social, cultural, and environmental factors that combine with biological and psychological components to mold human behavior.

SWK 2230 Intro Group Therapy Process 2
Prerequisite: SWK 1010, SWK 2130. This is an applied workshop-styled experience where students will experience group dynamics through the classroom process.

SWK 2280 Drugs and Alcohol Abuse 2
Prerequisite: SWK 1010. Drugs and alcohol abuse and its effect on individuals, as well as intervention variables from a social work perspective will be studied.

SWK 2650 Social Welfare Policy 3
Students will examine the development of social welfare policies and programs in the United States as well as legislation that sanctions social services programs.

SWK 2720 Mental Health 2
Prerequisite: SWK 1010. This course examines society's attempts in understanding and treating mental illness.

SWK 2750 Ethics/Soc Wk Professionals 2
Prerequisite: SWK 1010. This is an examination of the ethical, legal, and moral questions that confront social workers.

SWK 2900 Special Topics 1-3
This is a course designed by faculty which allows students to explore specific interests in social work in a classroom setting.

SWK 2920 First-Year Soc Wrk Internship 2
Prerequisite: SWK 2130. This is a supervised work experience in social work setting in a community agency.

SWK 2930 Second-Year Soc Wrk Internship 3
Prerequisite: SWK 2920. This is supervised work experience in a social work setting in a community agency. This course may be taught with a service-learning component. Check course schedule for details.

TECH 1010 Technology and the Future (ID) 3
Looks at the past, present and future of technology and its impact on society & individual. Students explore future of their life & work through discussions, videos, demonstrations, & opportunities to create or evaluate new inventions.

TED 1010 Intro to Utah Schools 3
Course provides an overview of the Utah public school system for professional educators from foreign countries. Topics include curriculum, laws, special education and the history of education to prepare students for state licensure

TELA 1110 Telecommunications IA 5
This course teaches the different types of the structured cabling systems and the backbone needed to support them. Installations techniques for backbone cabling, copper horizontal cabling and fiber optics are addressed.

TELA 1120 Telecommunications IB 5
this course teaches Electrical Code and theory for grounding/ bonding, ground faults and grounding electrode systems. Signal characteristics and troubleshooting will also be covered.

TELA 1210 Telecommunications IIA 5
This course will cover the effects of electrical power on telecommunications signals and corrective measures. Fiber optic termination theory, to include the mechanics of fiber vs copper will also be included.

TELA 1220 Telecommunications IIB 5
In this course, students will learn cable infrastructure including codes, entrance facilities, testing, trouble-shooting, vendor certification and administrative documentation. CCTV and CATV systems will be covered.

TELA 2310 Telecommunications IIIA 5
This course begins with electronic theory, integrating systems, electromechanics and controls, DC power theory, invertors, rectifiers as it applies to UPS systems and Central Offices. Advanced fiber optics concludes the course.

TELA 2320 Telecommunications IIIB 5
The final course in this series includes Building Management Systems, such as access, security, and intelligent buildings. IP Telephony and premise PBX systems are taught. Advanced Outside Plant (OSP) is also included.

TELE 1090 Intro to Telecom Installation 2
Covers basic telecom installation standards, worker conduct at customer sites, workmanship guidelines, cable color codes, labeling, and use of installation tools. Students learn to identify common telecom components.

TELE 1110 Telecommunication Cabling 2
Covers CAT 5-6 copper and fiber optical installation, grounding & bonding, use of high end cable scanners, OTDR's, optical power meters, and fusion splicers. Students can earn two industry recognized certifications.

TELE 2000 Telecommunications Co-op Ed. 1-5
Prerequisite: Department approval. Allows coursework to be integrated with subject area related to on-the-job experience with departmental approval. The course requirements may be met with an internship.

TELE 2040 Basic Programming for Tech. 2
Prerequisite: ELET 1040. This class familiarizes students with the fundamental concepts of C++ and Visual BASIC programming. Students work on projects directly related to, and in support of their electronics training.

TELE 2210 MCSA/MCSE Module 1 4
Prerequisite: Computer Literacy. Prepares students for Microsoft exams 70-270, Windows XP Professional and 70-290, Installing, Configuring, and Administering Microsoft Windows 2003 Server Environment. This satisfies two of the core MCSA/MCSE requirements.

TELE 2220 MCSA/MCSE Module 2 4
Prerequisite: TELE 2210. Prepares students for Microsoft exams 70-291, Implementing, Managing, and Maintaining a Microsoft Windows Server 2003 Network Infrastructure and 70-227, Installing, Configuring, & Administering Microsoft Internet Security & Acceleration (ISA) Server 2000 Enterprise Edition.

TELE 2230 MCSA/MCSE Module 3 4
Prerequisite: TELE 2220. Prepares students for Microsoft exams 70-293, Planning & Maintaining MS Windows Server 2003 Network Infrastructure and 70-294, Planning, Implementing & Maintaining MS Windows Server 2003 Active Directory Infrastructure.

TELE 2320 Computer Maintenance (A+) Cert 4
Prerequisite: CIS 1010 or equivalent. Troubleshooting, maintenance, and upgrade of PC's. Covers setup, memory management, data back-up, and hardware/ software diagnostic procedures. The course is designed to prepare students for the CompTIA A+ examination.

TELE 2337 Microsoft MCSE Series Module 7 2
Prerequisite: TELE 2333. This course consists of a variable elective in the MCSE Series. The specific course material will be based on the demand from students who are completing the seven exam series or want to broaden their background.

TELE 2340 Telecommunication System Design 4
Prerequisite: TELE 1110. Design course based on TIA/EIA standards and the BICSI Telecom Design Methods Manual. Covers network architectures and all types of transmission media. Students who complete the course receive an industry recognized LAN Designer cert.

TELE 2341 Designing LANs & Internetworks 4
In-depth coverage of the design rules, configuration options and media selection criteria for today's most popular LAN and internetworking technologies. Real world vendor spec sheets are used to design LAN and WAN configurations.

TELE 2342 Design & Inst of Fast Ethernet 4
Covers fast ethernet protocols, and design criteria for fast ethernet LAN's. 100 BASE-T LAN's are emphasized. 100VG-AnyLAN is also covered and compared with 100BASE-T.

TELE 2343 Design & Inst of Gb Ethernet 4
Prerequisite: Knowledge of Ethernet networks. Review of network principles and LAN troubleshooting. Examination of network cabling & topology configurations with reference to performance at different ethernet network speeds. Covers design considerations for Gigabit ethernet.

TELE 2344 Troubleshooting Ethernet Systems 4
Prerequisite: Knowledge of Ethernet networks. Examines ethernet errors and troubleshooting problems. Also reviews the roles of protocols and troubleshooting problems related to protocols. Students use Fluke One Touch Network Assistant in troubleshooting lab projects.

TELE 2400 Introduction to Computer Networking 4
Prerequisite: Computer Literacy. This course covers networking administration and support, media and topologies, protocols and standards, and network implementation. The focus of the course is to prepare students for the CompTIA NET+ certification exam.

TELE 2461 Network Routing & Switching I 4
Prerequisite: CIS 1010. Covers first two modules of the Cisco CCNA Network Academy Training to prepare students to take the Cisco CCNA exam. It covers network essentials with an introduction to routers and routing protocols. Students fabricate cables & LANs.

TELE 2462 Network Switching & Routing II 4
Prerequisite: TELE 2461. Covers second two modules of the Cisco Network Academy training to prepare students to take the Cisco CCNA exam. It covers network switches, routers, routing protocols, and troubleshooting fundamentals.

TELE 2463 Internetworking Design 4
Prerequisite: TELE 2461. Prepares students for the Cisco Certified Design Associate (CCDA) examination. Covers the design of routed & switched networks involving LAN, WAN, and dial access services for businesses and organizations.

TELE 2464 Building Scalable Networks 4
Prerequisite: TELE 2462 or CCNA certificate. Prepares students for one of the four required examinations (640-503), for the Cisco Certified Network Professional (CCNP.) Covers routing principles, extending IP addresses, configuring OSFP in single & multiple areas, configuring EIG & Border Gateway protocols, & optimizing router update ops.

TELE 2465 Building Scalable Internetworks 4
Prerequisite: TELE 2462 or CCNA Certificate. Prepares students for one of the four required examinations (640-504) for the Cisco Certified Network Professional (CCNP.) Covers CGMP, multicasts, multilayer switching, spanning tree, switching interconnectivity, trunking & VLAN ops.

TELE 2466 Remote Access Networks 4
Prerequisite: TELE 2462 or CCNA Certificate. Prepares students for one of the four required examinations (640-505) for the Cisco Certified Network Professional (CCNP.) Covers remote connections, cabling & WAN components, configuring asynchronous connections, PPP, PAP, & CHAP, ISDN & DRR technologies, X25 & frame relay, & IP addresses.

TELE 2467 Network Troubleshooting & Support 4
Prepares students for one of the four required examinations (640-506) for the Cisco Certified Network Professional (CCNP.) Covers layer-specific troubleshooting, info sources, troubleshooting tools, and troubleshooting techniques. Prerequisite: TELE 2462 or CCNA Certificate.

TELE 2468 CCNA Test Preparation 1
Prerequisite: TELE 2462 or equivalent experience. This course is an intensive boot camp designed to prepare students for the Cisco CCNA certification examination. Students should have completed a CCNA training program or have equivalent industry experience.

TELE 2470 Telephone Technology 4
Prerequisite: TELE 1110. Covers converging technologies in telephone system operation and design, including various transmission media, PSTN services, and satellite links. The course emphasizes voice data, and video transmission.

TELE 2510 Computer Network Security 4
Prerequisite: TELE 2462 or TELE 2463 or equivalent industry experience. This course covers communication security, infrastructure security, cryptography, access control, authentication, external attack and operational and organization security. Students prepare for CompTIA Security+ Certification exam.

TELE 2900 Telecommunications Special Topics 1-5
Prerequisite: Department approval. Special topics allow students to pursue interests not offered elsewhere in the program. Credit hours and course of study will be based on departmental approval. The course syllabus will outline documentation requirements of student.

THE 1010 Survey of Theatre (FA) 3
Survey of Western theatre from ritual to contemporary theatre. Students explore the role of theater from an Indo-European and Asian perspective in the development of modern thought, culture, politics and society.

THE 1050 Introduction to Film (FA) 4
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 1050.

THE 1070 Film and Culture (ID) 4
Course intended to raise awareness through aesthetic, critical and interdisciplinary examinations of the evolution of film. Some films may be considered controversial and/or R-rated. Also listed as FLM 1070.

THE 1090 Bridging the Arts (FA) 3
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.

THE 1120 Acting I-Basic Acting 3
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.

THE 1130 Acting II-Scene Acting 3
Prerequisite: THE 1120 or instructor approval. This is a continuation of THE 1120. Emphasis will focus on improving stage skills, development of character, play will be the final project.

THE 1140 Musical Theatre Performance 3
Prerequisite: THE 1120 or instructor approval. This course explores artistic elements of musical theatre through performance of its form and style.

THE 1160 Technical Theatre I-Lab 3
Prerequisite: Concurrent with THE 1180. Course provides practical backstage experience with emphasis on stagecraft.

THE 1170 Technical Theatre II-Lab 3
Prerequisite: Concurrent with THE 1560. Course provides practical backstage experience with emphasis on lighting and sound.

THE 1171 Technical Theatre III-Lab 3
Prerequisite: Concurrent with THE 1550. Course provides practical backstage experience with emphasis on design.

THE 1180 Technical Theatre I-Stagecraft 3
Prerequisite: Concurrent with THE 1160. Introduction to theatre production, stage design, the practicality of technical theatre and technical stage production. Set design, set construction, scene painting, budget control and working with a production staff.

THE 1190 Production 3
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.

THE 1550 Technical Theatre III-Design 3
Prerequisite: THE 1160, THE 1180, concurrent w/THE 1171. Students will learn advanced design, construction and rigging techniques, drafting elevation and modeling for construction and backstage management.

THE 1560 Technical Theatre II-Lighting/Sound 3
Prerequisite: THE 1160, THE 1180, concurrent w/THE 1170. This class teaches lighting and sound through design, instrument placement and operation of control boards.

THE 1900 Special Projects in Theatre 1-3
Prerequisite: Instructor approval. Students will plan their areas of study, performance and/or technical work with full-time instructor on an individual basis.

THE 2150 Acting III-Audition 3
Prerequisite: THE 1120 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.

THE 2200 Introduction to Film Criticism 4
Prerequisite: ENGL 1010, THE/FLM 1050 or THE/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.

THE 2250 Make-up 3
This is an introduction to methods and materials of stage make-up. A make-up kit is required.

THE 2520 Creative Dramatics 2
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. There is a service-learning component.

THE 2900 Special Topics 1-3
This is a course designed by faculty which allows students to explore specific areas of interest in theatre in a classroom setting.

THE 2990 Performing Arts Connections 2
Prerequisite: Department's approval. This is a collaboration of dance, music, theatre and/or art students to create individual works to be peformed in the Performing Arts Showcase.

TNG 1010 Beginning Tongan I 5
The first in a four-course series focusing on five skills: listening, speaking, reading, writing and culture to develop functional language ability in survival & social situations. Emphasis is on proficiency. Attendance in lab is required.

TNG 1020 Beginning Tongan II 5
Prerequisite: TNG 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 & social situations. Emphasis is on proficiency. Attendance in lab is required.

TNG 1300 Beginning Conversation/Tongan 1
Prerequisite: 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
Prerequisite: instructor approval. Students plan areas of study, service learning or travel & 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 2010 Intermediate Tongan I 4
Prerequisite: TNG 1020 or instructor approval. The second year of Tongan focuses on five skills: listening, speaking, reading, writing and culture to develop functional language ability in survival & social situations. emphasis is on proficiency. Attendance in lab is required.

TNG 2020 Intermediate Tongan II 4
Prerequisite: TNG 1020 or instructor approval. The second year of Tongan focuses on five skills: listening, speaking, reading, writing and culture to develop functional language ability in survival & social situations. Emphasis is on proficiency. Attendance in lab is required.

TNG 2300 Intermediate Conversation 1
Prerequisite: 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.

TNG 2900 Special Topics in Tongan 1-3
This is a course designed by faculty which allows students to explore specific interests in Tongan language and culture. Lab attendance required. May be repeated for credit.

VOC 2000 Cooperative Education 1-3
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
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 4
Prerequisite: Concurrent with WLDA 1111. Course covers the theory of shielded metal arc welding, oxy-acetylene welding and cutting. Study of electrode classification and Mastery of Safety procedure. Prerequisite: Concurrent with WLD 1111

WLD 1111 Fundamentals of Welding Lab 8
Prerequisite: Concurrent with WLDA 1110. Practical lab applications of shield metal arc welding, oxy-acetylene welding and cutting. Study of electrode classification, mastery of safety, rolling bend test. Prerequisite: Concurrent with WLD 1110

WLD 1120 Welding Processes and Quality 4
Prerequisite: WLD 1110, WLD 1111, concurrent w/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 8
Prerequisite: WLD 1110, WLD 1111, or equivalent, concurrent w/ 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
Varied credit and contact hours to train students in industry specific specialty areas as requested by industry.

WLD 1230 Gas Shield Weld Inspection 4
Prerequisite: WLD 1120, WLD 1121, or equivalent, concurrent w/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 Weld/Inspection Lab 8
Prerequisite: WLD 1220, WLD 1221 or equivalent, concurrent w/WLD 1230. Practical hands on lab application of GMAW to include short arc (MIG) and spray acr 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 4
Prerequisite: WLD 1230, WLD 1231, or equivalent, concurrent w/WLD 1241. Theory of FCAW (inner shield and dual shield), SAW (submerged arc welding), pipe welding and fitting, layout, and fabricaton including blueprint reading and interpretation. Emphasis on A.W.S. prep for Certification.

WLD 1241 Flux Core, Pipe Fab Lab 8
Prerequisite: WLD 1230, WLD 1231, or equivalent, concurrent w/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 Reading for Welding 3
Study of welding, blueprint reading and drawing. Special study of pipe symbols, welding symbols and layout work.

WLD 1299 Specialty Training - Welding 1-8
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
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
Prerequisite: Concurrent with WLDA 1111. Course covers the theory of shielded metal arc welding, oxy-acetylene welding and cutting. Study of electrode classification and Mastery of Safety Procedure.

WLDA 1111 Fundamentals of Welding Lab 2
Prerequisite: Concurrent with WLDA 1110. Practical lab applications of shelded 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
Prerequisite: WLDA 1110, WLDA 1111, Concurrent with 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 qualificaton for A.W.S. Certification.

WLDA 1121 Welding Processes/Quality Lab 2
Prerequisite: WLDA 1110, WLDA 1111, concurrent with WLDA 1120. Advanced welding, thermal cutting, braze welding, and fabrication. Mumerically controlled cutting and an emphasis on Certification preparation with the A.W.S.

WLDA 1199 Specialty Training in Welding 3-4
Varied credit and contract hours to train students in industry specific specialty areas as requested by industry.

WLDA 1230 Gas Shield Weld/Inspection Gas 4
Prerequisite: WLDA 1120, WLDA 1121, Concurrent with 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 Weld/Inspection Lab 2
Prerequisite: WLDA 1120, WLDA 1121, Concurrent with 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
Prerequisite: WLDA 1230, WLDA 1231, Concurrent with 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
Prerequisite: WLDA 1230, WLDA 1231, Concurrent with 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 Reading for Welding 3
Study of welding blueprint reading and drawing. Special study of pipe symbols, welding symbols, and layout work.

WLDA 1299 Specialty Training -Welding 4
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
College credit for experience on the job site. Arranged in advance. Requirements are determined by the employer.

WRTG 0900 Basic Writing 5
Prerequisite: English placement essay or ESL 1020 w/C. 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
Prerequisite: English placement essay or exit test from WRTG 0900. Prepares students for college-level writing. Uses discussion, critical thinking, reading and writing to discover ideas and meaning for writer and reader alike.

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Craig Stoker . . . . . Granite School District
Applied Technology Director
Joe Yenchik . . . . . L-3 Communications
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Student Body President . . . . . SLCC

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SHAA President . . . . . Richard Taggart
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. . . . . Norman Riggs
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Executive Assistant to the President . . . . . Rand A. Johnson

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Business Service . . . . . Donald L. Porter
Student Services . . . . . Deneece Huftalin (Interim)
Community, State
and National Affairs . . . . . Brent G. Goodfellow

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Administrative Assistant/Secretary . . . . . Yvonne Beasley
Administrative Assistant/Secretary . . . . . Janice Schmidt

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Soni Adams, *Associate Professor* *07/01/1990*
1981 BS UNIVERSITY OF UTAH
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1973 BS SUNY AT POTSDAM
1977 MS SUNY AT ALBANY
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1966 BS BRIGHAM YOUNG UNIVERSITY
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1974 BS BRIGHAM YOUNG UNIVERSITY
1980 AS PIKES PEAK COMMUNITY COLLEGE
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Computer Science

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Developmental Writing

(Katherine) Renee Barlow, *Assistant Professor* *09/01/2000*
1984 BA BRIGHAM YOUNG UNIVERSITY
1993 MA UNIVERSITY OF UTAH
1997 PhD UNIVERSITY OF UTAH
Humanities

Jennie Barnes, *Assistant Professor* *9/11/2000*
1981 LPN COLLEGE OF EASTERN UTAH
1982 AS COLLEGE OF EASTERN UTAH
1992 ASN WEBER STATE UNIVERSITY
1994 BSN WEBER STATE UNIVERSITY
2003 MSN UNIVERSITY OF PHOENIX
Nursing

Curtis Barnett, *Instructor* *08/16/2001*
2001 AAS SALT LAKE COMMUNITY COLLEGE
Building Construction/Construction Management

Gary Barnett, *Associate Professor* *01/05/1987*
1973 AS MT. VIEW COMMUNITY COLLEGE
1976 BA UNIVERSITY OF TEXAS
Accounting

Joyce Barra, *Associate Professor* *01/01/1990*
1980 BS NORTHERN ILLINOIS
1992 MS UNIVERSITY OF UTAH
Nursing

Tim Beagley, *Instructor* *04/01/1990*
1987 BS UNIVERSITY OF UTAH
1989 MS UNIVERSITY OF UTAH
1997 PhD UNIVERSITY OF UTAH
Biology

Michael Beddoes, *Professor* *07/01/1983*
1972 BS UNIVERSITY OF UTAH
1990 MS WESTMINISTER COLLEGE
Computer Information Systems

Debra Bertoch, *Instructor* *12/01/1990*
1974 AAS SALT LAKE COMMUNITY COLLEGE
Barbering/Cosmetology

Lisa Bickmore, *Associate Professor* *09/16/1992*
1979 BA BRIGHAM YOUNG UNIVERSITY
1984 MA BRIGHAM YOUNG UNIVERSITY
English

Grace Birch, *Assistant Professor* *07/01/1985*
1994 AA SALT LAKE COMMUNITY COLLEGE
1996 M Equiv SALT LAKE COMMUNITY COLLEGE
Barbering/Cosmetology

Clyda Rae Blackburn, *Associate Professor* *10/01/1989*
1971 BS UNIVERSITY OF UTAH
1990 MS UTAH STATE UNIVERSITY
English

Spencer Blake, *Assistant Professor* *10/01/1997*
1993 BS BRIGHAM YOUNG UNIVERSITY
1997 MA REGIS UNIVERSITY
Sociology

James Blevins, *Instructor* *01/01/1992*
1987 BS BOISE STATE UNIVERSITY
1991 MS WESTERN WASHINGTON UNIVERSITY
Biology

Therese Boone, *Associate Professor* *07/01/1986*
1979 BFA UNIVERSITY OF UTAH
1991 MS UNIVERSITY OF UTAH
Fine Arts/Dance

Louise Bown, *Associate Professor* *10/01/1987*
1970 BA UNIVERSITY OF UTAH
1991 M A UTAH STATE UNIVERSITY
English

Laura Bradford, *Associate Professor* *09/30/1986*
1988 AS SALT LAKE COMMUNITY COLLEGE
1990 BA UNIVERSITY OF UTAH
1992 MA UNIVERSITY OF UTAH
Languages

Jerry Bradshaw, *Associate Professor* *10/01/1987*
1978 AS COLLEGE OF EASTERN UTAH
1981 BA UTAH STATE UNIVERSITY
1983 BA UTAH STATE UNIVERSITY
1991 MA UTAH STATE UNIVERSITY
Humanities

Judith Braun, *Assistant Professor* *03/01/1989*
1981 BS WEST VIRGINIA UNIVERSITY
2000 M Ed UNIVERSITY OF UTAH
Developmental Reading/Learning Enhancement

Paula Braun, *Instructor* *08/16/2002*
1984 MSN UNIVERSITY OF UTAH
1979 BSN UNIVERSITY OF PORTLAND
Nursing

William (Bill) Breedlove, *Instructor* *04/16/1995*
1974 CERT AMERICAN HONDA TRAINING CENTER
1980 CERT GM MANAGEMENT TRAINING
Automotive and Related Technologies

Sue Briggs, *Assistant Professor* *08/16/2001*
1973 BA VALDOSTA STATE COLLEGE
1978 MS TROY STATE UNIVERSITY
English

Lee Brinton, *Instructor* *10/16/1995*
1983 BS UNIVERSITY OF UTAH
1984 MS UNIVERSITY OF UTAH
Engineering

Janet Brohm, *Assistant Professor* *10/01/1995*
1975 BS SOUTHERN ILLINOIS UNIVERSITY
1980 MS Ed SOUTHERN ILLINOIS UNIVERSITY
Family and Human Studies

Kim Brown, *Associate Professor* *09/01/1990*
1987 BS UTAH STATE UNIVERSITY
Digital Media Technology

Katherine (Kathy) Bruner, *Instructor* *11/16/1999*
1994 AAS SALT LAKE COMMUNITY COLLEGE
1999 BS UNIVERSITY OF FINDLEY OHIO
Occupational Therapy Assistant

Brent Budd, *Assistant Professor* *09/28/1987*
1972 BFA UNIVERSITY OF UTAH
1996 M Equiv SALT LAKE COMMUNITY COLLEGE
Visual Art and Design

Mary Burch, *Instructor* *08/16/2002*
1990 BSN WESTMINSTER COLLEGE
2003 MSN WESTMINSTER COLLEGE
Nursing

Robert Burdette, *Instructor* *08/01/2000*
1979 BA UNIVERSITY OF UTAH
1993 MS WASHINGTON SCHOOL OF LAW
Accounting

Robert (Nick) Burns, *Instructor* *01/05/2004*
1987 BS OREGON STATE UNIVERSITY
1989 MS OREGON STATE UNIVERSITY
Communication

Katerina Calderone, *Assistant Professor* *02/01/2002*
1987 BA UNIVERSITY OF NEW MEXICO
1993 MS UNIVERSITY OF UTAH
2001 BS WESTMINSTER COLLEGE
Psychology

Jerry Carlson, *Instructor* *10/01/1991*
2002 AS SALT LAKE COMMUNITY COLLEGE
Aviation Technology/Professional Pilot

David Carney, *Assistant Professor* *08/16/2001*
1988 BA UNIVERSITY OF IOWA
1991 MA UNIVERSITY OF IOWA
Humanities/Art History

Diana Carroll, *Assistant Professor* *01/01/1989*
1981 AS STEVENS HENAGER
Medical Assistant

Sheila Chambers, *Associate Professor* *09/23/1991*
1981 BS CALIFORNIA STATE UNIVERSITY
1998 MFA MARYWOOD UNIVERSITY
Visual Art and Design

Eric Chandler, *Instructor* *08/01/1999*
1959 BS OHIO STATE
1999 AAS SALT LAKE COMMUNITY COLLEGE
Aviation Technology/Aviation Maintenance

Randal Chase, *Associate Professor* *09/16/1993*
1987 BS UNIVERSITY OF UTAH
1991 MS UNIVERSITY OF UTAH
1997 PhD UNIVERSITY OF UTAH
Communication

Jimmy Chen, *Associate Professor* *01/01/1994*
1982 BS NATIONAL CENTRAL UNIVERSITY
1988 MS UNIVERSITY OF UTAH
1991 PhD UNIVERSITY OF UTAH
Computer Science

Larry Christensen, *Associate Professor* *08/01/1970*
1967 BS BRIGHAM YOUNG UNIVERSITY
1973 MS BRIGHAM YOUNG UNIVERSITY
Psychology

Ron Christiansen, *Instructor* *07/01/1997*
1998 MA UNIVERSITY OF UTAH
1994 BA BRIGHAM YOUNG UNIVERSITY
English

Carolyn Clark, *Professor* *09/16/1994*
1971 BS STANFORD UNIVERSITY
1973 MA UNIVERSITY OF WASHINGTON
1975 Tch Cert UNIVERSITY OF CALIFORNIA, DAVIS
1996 PhD UNIVERSITY OF UTAH
Communication

Norman Clark, *Instructor* *01/01/1989*
1953 Lcns Arch UNIVERSITY OF UTAH
2001 BS UTAH STATE UNIVERSITY
Architectural Technology

Joel Clarkson, *Instructor* *08/16/2000*
1981 CERT IDAHO STATE UNIVERSITY
1997 AS SALT LAKE COMMUNITY COLLEGE
1999 BS WEBER STATE UNIVERSITY
Engineering Design/Drafting Technology

Shay Clemensen, *Assistant Professor* *07/16/2003*
1998 BA BRIGHAM YOUNG UNIVERSITY
2002 M Ed UTAH STATE UNIVERSITY
Health and Lifetime Activities

Nolan Clifford, *Assistant Professor* *10/01/1994*
1968 CERT AIR TRAFFIC CONTROL SCHOOL
1975 BS UNIVERISTY OF UTAH
1977 CERT US NAVY FLIGHT SCHOOL
1985 MS US NAVAL POSTGRADUATE SCHOOL
Aviation Technology/Professional Pilot

John Close, *Professor* *09/16/1992*
1978 BS ST. JOHN UNIVERSITY
1988 MA MANKATO STATE UNIVERSITY
1991 MS UNIVERSITY OF UTAH
1992 Doc Equiv MSU-88 / UTAH-91
Developmental Math

Dennis Coates, *Assistant Professor* *04/01/1989*
1964 AS SNOW JUNIOR COLLEGE
1966 BA WEBER STATE COLLEGE
Computer Science

Alfred Cole, *Instructor* *10/01/1993*
1965 BS UNIVERSITY OF UTAH
1967 MBA UNIVERSITY OF UTAH
Marketing

Nathan Cole, *Assistant Professor* *09/16/1994*
1992 BA SAN DIEGO STATE
1994 MA BRIGHAM YOUNG UNIVERSITY
English

Melaney Cook, *Assistant Professor* *06/01/2003*
1994 BS UNIVERSITY OF NORTH TEXAS
1999 MS UNIVERSITY OF NORTH TEXAS
Biology

Robert Cox, Professor 06/01/1975
1967 BS BRIGHAM YOUNG UNIVERSITY
1968 MBA UNIVERSITY OF UTAH
Business Management

Andrea Crittenden, *Instructor* *08/16/2000*
1995 AAS SALT LAKE COMMUNITY COLLEGE
1996 AS SALT LAKE COMMUNITY COLLEGE
1997 BS UNIVERSITY OF UTAH
1999 MS UNIVERSITY OF UTAH
Nursing

Robyn Cruff, *Assistant Professor* *10/08/1992*
1989 BA UTAH STATE UNIVERSITY
1991 MA UNIVERSITY OF UTAH
English As A Second Language

Charles Cummins, *Professor* *07/01/1986*
1962 BS BRIGHAM YOUNG UNIVERSITY
1966 MS BRIGHAM YOUNG UNIVERSITY
1977 Ed D BRIGHAM YOUNG UNIVERSITY
Mathematics

Susan Curtis, *Instructor* *07/01/1988*
1995 AAS SALT LAKE COMMUNITY COLLEGE
Barbering/Cosmetology

Rick Dalton, *Instructor* *05/01/1991*
1995 CERT SALT LAKE COMMUNITY COLLEGE
Professional Truck Driving

Susan Daoud, *Instructor* *08/16/1998*
1984 BS IDAHO STATE UNIVERSITY
Dental Hygiene

Richard (Dick) Darnell, *Assistant Professor* *01/01/1967*
1990 AA UNIVERSITY OF STATE OF NEW YORK
Telecommunications

(Virginia) Ginger Davidson, *Assistant Professor* *08/16/2002*
1994 BS UNIVERSITY OF NEVADA-RENO
1998 MS UNIVERSITY OF NEVADA-RENO
History

Mary-Jayne Davis, *Associate Professor* *09/01/1988*
1986 BA UNIVERSITY OF UTAH
1989 MA UNIVERSITY OF UTAH
English

Sherwood Davis, *Professor* *01/01/1970*
1973 AA UTAH TECHNICAL COLLEGE
1974 BS UTAH STATE UNIVERSITY
1981 MA BRIGHAM YOUNG UNIVERSITY
Engineering Design/Drafting Technology

Rolayne Day, *Professor* *01/01/1976*
1973 BS UTAH STATE UNIVERSITY
1977 MA UTAH STATE UNIVERSITY
Marketing

Sharon DeReamer, *Instructor* *08/16/2001*
1978 BS UNIVERSITY OF WISCONSIN-MADISON
1992 MS UNIVERSITY OF TEXAS-DALLAS
Computer Science

Rodney Derrick, *Assistant Professor* *12/01/1988*
1973 CERT SALT LAKE COMMUNITY COLLEGE
1996 M Equiv SALT LAKE COMMUNITY COLLEGE
Barbering/Cosmetology

Stephanie Dowdle, *Instructor* *09/01/1999*
1993 BA BRIGHAM YOUNG UNIVERSITY
1995 MA BRIGHAM YOUNG UNIVERSITY
1999 PhD INDIANA UNIVERSITY OF PA
English

Alan Drechsel, *Instructor* *04/01/1979*
1996 CERT MOUNTAINLAND APPLIED TECHNOLOGY CENTER
Professional Truck Driving

Mark Dumas, *Assistant Professor* *10/01/1997*
1989 BS SOUTHERN UTAH UNIVERSITY
1993 MSPH UNIVERSITY OF UTAH
Environmental Technology

Nina Edgmand, *Professor* *09/15/1986*
1970 BA BRIGHAM YOUNG UNIVERSITY
1995 MA WESTMINISTER
Communication

Larry Egelund, *Professor* *10/01/1988*
1967 BA BRIGHAM YOUNG UNIVERSITY
1968 MA UNIVERSITY OF WYOMING
Computer Information Systems

George Ellington, *Associate Professor* *09/16/1995*
1987 BA SAN FRANCISCO STATE UNIVERSITY
1990 MA SAN FRANCISCO STATE UNIVERSITY
English As A Second Language

Maureen Ellison, *Professor* *07/01/1985*
1969 AAS SANTA MONICA CITY COLLEGE
1971 BS UTAH STATE UNIVERSITY
1989 MS UTAH STATE UNIVERSITY
Computer Information Systems

Ray Emett, *Professor* *09/01/1981*
1977 BS UNIVERSITY OF UTAH
1988 MS UTAH STATE UNIVERSITY
Developmental Reading/Learning Enhancement

Edward Engh, *Instructor* *08/31/2000*
1981 BS UNIVERSITY OF UTAH
1984 MBA UNIVERSITY OF UTAH
Business Management

Kathryn Eppler, *Assistant 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

Chad Fail, *Instructor* *08/16/2002*
1998 AAS SALT LAKE COMMUNITY COLLEGE
2000 AAS SALT LAKE COMMUNITY COLLEGE
2002 BS UTAH VALLEY STATE COLLEGE
Building Construction/Construction Management

Sara Farida, *Assistant Professor* *08/16/2003*
1977 BS KARNATAK UNIV., DHARWAD, INDIA
1979 MS KARNATAK UNIV., DHARWAD, INDIA
1990 PhD GULBARGA UNIV., GULBARGA, INDIA
Engineering

Steffeny Fazzio, *Associate Professor* *07/01/1986*
1966 AA COLLEGE OF EASTERN UTAH
1969 BA UNIVERSITY OF UTAH
1991 MA UTAH STATE UNIVERSITY
Developmental Writing

Lyle Ferguson, *Assistant Professor* *10/15/1997*
1999 AAS SALT LAKE COMMUNITY COLLEGE
Barbering/Cosmetology

Allison Fernley, *Associate Professor* *09/16/1989*
1982 BA UNIVERSITY OF UTAH
1984 MA UNIVERSITY OF UTAH
English

Craig Ferrin, *Assistant Professor* *06/10/2002*
1986 BA UNIVERSITY OF UTAH
1987 MA NORTHWESTERN UNIVERSITY
Fine Arts/Music

Val Finlayson, *Instructor* *09/16/2001*
1963 BA UNIVERSITY OF UTAH
1966 MA UNIVERSITY OF UTAH
1969 PhD UNIVERSITY OF UTAH
Physics

Steven Fogg, *Instructor* *01/01/2000*
1991 AS SALT LAKE COMMUNITY COLLEGE
1999 CERT CERTIFIED CAREERS INSTITUTE
2004 CERT COMP TIA
Electronics and Computer Technology

Steve Ford, *Assistant Professor* *07/01/1986*
1975 AAS SALT LAKE COMMUNITY COLLEGE
1980 AAS SALT LAKE COMMUNITY COLLEGE
1980 CERT SALT LAKE COMM. COLLEGE, USU
1997 M Equiv SALT LAKE COMMUNITY COLLEGE
Related Instruction/Apprenticeship

Kenneth Freeman, *Associate Professor* *03/29/1994*
1984 BS BRIGHAM YOUNG UNIVERSITY
1991 MS RUTGERS
Physical Therapist Assistant

Gordon Frisbey, *Professor* *07/01/1985*
1972 BS WEBER STATE UNIVERSITY
1990 MS WESTIMINSTER COLLEGE
Computer Information Systems

John Fritz, *Associate Professor* *12/01/1987*
1974 BS EASTERN NEW MEXICO UNIVERSITY
1984 PhD UNIVERSITY OF UTAH
Humanities/Anthropology

Joseph Gallegos, *Assistant Professor* *03/01/1991*
1986 BS UNIVERSITY OF UTAH
1992 MS UNIVERSITY OF UTAH
Mathematics

Julie Gay, *Associate Professor* *10/01/1990*
1988 BS UTAH STATE UNIVERSITY
1989 MS UTAH STATE UNIVERSITY
Digital Media Technology

Frank Gerrish, *Assistant Professor* *07/01/1990*
1985 BFA UNIVERSITY OF RHODE ISLAND
1988 MFA PENNSYLVANIA STATE
Fine Arts/Film

Drusilla Glascoe, *Associate Professor* *01/01/1990*
1958 BA BOSTON CONSERVATORY OF MUSIC
1986 MS UNIVERSITY OF UTAH
Psychology

Mark Glines, *Associate Professor* *10/01/1990*
1986 BS WEBER STATE UNIVERSITY
1999 MEd WEBER STATE UNIVERSITY
Developmental Math

Joshua Gold, *Assistant 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* *10/01/1990*
1973 BA BRIGHAM YOUNG UNIVERSITY
1979 MA BRIGHAM YOUNG UNIVERSITY
Languages

Kerry Gonzales, *Instructor* *10/01/1997*
1980 BFA UNIVERSITY OF UTAH
Visual Art and Design

Anne Graham, *Professor* *03/16/1993*
1967 BS WASHINGTON UNIVERSITY-ST. LOUIS
1970 MS STANFORD
1974 PhD STANFORD
Sociology

Richard Graham, *Professor* *07/01/1986*
1991 BFA UNIVERSITY OF UTAH
1996 MFA UNIVERSITY OF UTAH
Visual Art and Design

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
1989 Doc Equiv BYU-85 / UTAH-88
Business Management

Bryan Griggs, *Instructor* *09/15/1997*
1989 AAS RICKS COLLEGE
1993 BFA ART CENTER COLLEGE
Visual Art and Design

Lana Gruendell, *Associate Professor* *05/01/1987*
1979 AAS SALT LAKE COMMUNITY COLLEGE
1990 BFA UNIVERSITY OF UTAH
Visual Art and Design

Karen Gunn, *Associate Professor* *07/01/1992*
1974 BA UTAH STATE UNIVERSITY
1991 MBA WESTMINSTER COLLEGE
Business Management

Shawna Haider, *Assistant Professor* *10/01/1993*
1987 BS UNIVERSITY OF UTAH
1999 MS UNIVERSITY OF UTAH
Mathematics

Charlotte Hamblin, *Assistant Professor* *09/16/1994*
1962 BA BRIGHAM YOUNG UNIVERSITY
1994 MA UNIVERSITY OF UTAH
Developmental Reading/Learning Enhancement

James Hampton, *Professor* *07/01/1985*
1962 BS UNIVERSITY OF UTAH
1964 MS UNIVERSITY OF UTAH
1970 PhD RICE UNIVERSITY
Biology

Larry Hancock, *Professor* *04/18/1988*
1977 BS UTAH STATE UNIVERSITY
1993 MS UTAH STATE UNIVERSITY
Aviation Technology/Aviation Maintenance

Maryln Harmer, *Associate Professor* *01/28/1999*
1986 BS UTAH STATE UNIVERSITY
1989 MS US SPORT ACADEMY
Health and Lifetime Activities

Lora Harpster, *Assistant Professor* *04/01/1991*
1988 BS UNIVERSITY OF UTAH
1993 MS UNIVERSITY OF UTAH
Psychology

Christine Harrell, *Instructor* *08/16/2003*
1997 BS NORTH DAKOTA STATE UNIVERSITY
2000 MA NORTH DAKOTA STATE UNIVERSITY
English

Shauna Hatfield, *Assistant Professor* *08/16/1998*
1989 BS WEBER STATE UNIVERSITY
1990 MS WEBER STATE UNIVERSITY
Accounting

Melissa Helquist, *Instructor* *08/16/2002*
1998 BA BRIGHAM YOUNG UNIVERSITY
2000 MA COLORADO STATE UNIVERSITY
English

Richard Hemingway, *Instructor* *10/01/1994*
1959 CERT CLEVELAND INST. OF RADIO ELCTRN
1968 BS UNIVERSITY OF UTAH
1992 CERT UNISYS-ISO INTERNAL AUDITOR
2001 CERT COMP TIA
2001 CERT COMP TIA
2001 CERT CERTIFIED INTERNET WEBMASTER
2002 CERT COMP TIA
2002 CERT COMP TIA
2003 CERT COMP TIA
2003 CERT LINUX ADMINISTRATOR
Electronics and Computer Technology

Charles Hemming, *Instructor* *01/09/1998*
1995 BS IDAHO STATE UNIVERSITY
1995 MS IDAHO STATE UNIVERSITY
1997 MS IDAHO STATE UNIVERSITY
Developmental Math

Martha Hess, *Assistant Professor* *09/01/1994*
1964 MA UTAH STATE UNIVERSITY
1970 MA UTAH STATE UNIVERSITY
Adult Basic Education

Marilyn Hibbert, *Associate Professor* *07/01/1986*
1970 BS UTAH STATE UNIVERSITY
Computer Information Systems

Francoise Hibbs, *Professor* *10/01/1988*
1967 MA UNIVERSITY OF TOULOUSE
1984 PhD STANFORD UNIVERSITY
Languages

John Hill, *Instructor* *08/16/2000*
1988 AS BROOKDALE COMMUNITY COLLEGE
1989 AA BROOKDALE COMMUNITY COLLEGE
1991 BS THOMAS A EDISON STATE COLLEGE
1993 MS JERSEY CITY STATE COLLEGE
2001 DCJ HAWTHORNE UNIVERSITY
Criminal Justice

Kathy Himle, *Instructor* *01/02/1996*
1996 CERT SALT LAKE COMMUNITY COLLEGE
1996 CERT NOVELL
1997 CERT NOVELL
2001 CERT COMP TIA
2002 CERT COMP TIA
2002 CERT COMP TIA
2003 AS SALT LAKE COMMUNITY COLLEGE
Electronics and Computer Technology

Helen Hogan, *Assistant Professor* *04/01/1992*
1967 BA OBERLIN COLLEGE
1968 MAT UNIVERSITY OF NORTH CAROLINA
Developmental Writing

Mary Holter, *Instructor* *08/16/2002*
1971 BS UNIVERSITY OF OKLAHOMA
1991 MS UNIVERSITY OF TEXAS
Nursing

Jane Hook, *Professor* *01/06/1987*
1978 AA SALT LAKE COMMUNITY COLLEGE
1993 BS UTAH STATE UNIVERSITY
2000 MA UTAH STATE UNIVERSITY
Engineering Design/Drafting Technology

Marianna Hopkins, *Associate Professor* *05/01/1986*
1973 BA UNIVERSITY OF UTAH
1982 Tch Cert UNIVERSITY OF UTAH
1992 MS UTAH STATE UNIVERSITY
Developmental Writing

Gary Howard, *Associate Professor* *08/16/1993*
1974 BA UNIVERSITY OF PITTSBURGH
1977 MA UNIVERSITY OF PITTSBURGH
English

Joseph Howell, *Professor* *07/01/1985*
1973 CERT SALT LAKE COMMUNITY COLLEGE
1976 BS UNIVERSITY OF UTAH
1978 MBA UNIVERSITY OF UTAH
1983 JD UNIVERSITY OF UTAH
Finance and Economics

Dean Huber, *Associate Professor* *01/01/1990*
1977 BA UNIVERSITY OF UTAH
1981 MA UNIVERSITY OF UTAH
English As A Second Language

David Hubert, *Associate Professor* *09/16/1994*
1987 BS COLORADO STATE UNIVERSITY
1990 MA UNIVERSITY OF CONNECTICUT
1997 PhD UNIVERSITY OF CONNECTICUT
Politicial Science

Harry Hughes, *Instructor* *09/01/1998*
1971 AS NASSAU COMMUNITY COLLEGE
1973 BS HUNTER COLLEGE NY NY
1988 PhD CUNY GRAD. SCHOOL & UNIVERSITY
Psychology

Gustavo Ibarra, *Professor* *09/16/1994*
1974 BS NORMAL SUP. MAYARIT
1976 MS BRIGHAM YOUNG UNIVERSITY
1980 PhD BRIGHAM YOUNG UNIVERSITY
1988 Tch Cert USU, WSU, INTER AMERICA, BYU
Health and Lifetime Activities

Christine Iltis, *Instructor* *08/16/1998*
1993 BA U OF CALIFORNIA-BERKELEY
1998 MA U OF CALIFORNIA-BERKELEY
Biology

Howard Ingle, *Instructor* *10/01/1982*
1972 BS CENTRAL MICHIGAN UNIVERSITY
1991 M Ed UNIVERSITY OF UTAH
Psychology

Alexander Izrailevsky, *Assistant Professor* *09/16/2000*
1974 BA GORKY URAL STATE UNIVERSITY
1974 MA GORKY URAL STATE UNIVERSITY
1980 PhD ACADEMY OF SCIENCE OF THE USSR
Humanities

Duane Jacobs, *Professor* *08/01/1986*
1968 BS ARIZONA STATE UNIVERSITY
1969 MS UTAH STATE UNIVERSITY
1973 EdD BRIGHAM YOUNG UNIVERSITY
Computer Science

David James, *Instructor* *09/25/1998*
2000 AA SALT LAKE COMMUNITY COLLEGE
Building Construction/Construction Management

Rosemary Jamieson, *Assistant Professor* *07/01/1994*
1972 BS MT. MERCY COLLEGE
1978 MS UNIVERSITY OF NORTHERN IOWA
Learning Center

DeeAnn Jensen, *Associate Professor* *09/01/1989*
1974 BS BRIGHAM YOUNG UNIVERSITY
1975 MS BRIGHAM YOUNG UNIVERSITY
2003 CERT AMERICAN HEALTH INFORMATION MANAGEMENT ASSOCIATION
Office Information Systems

K. C. Jensen, *Instructor* *08/01/1999*
1980 AS CATONSVILLE COMMUNITY COLLEGE
1982 BS BRIGHAM YOUNG UNIVERSITY
1990 JD BRIGHAM YOUNG UNIVERSITY
Paralegal Studies

Richard Jensen, *Professor* *09/15/1986*
1968 BS UTAH STATE UNIVERSITY
1971 MA UTAH STATE UNIVERSITY
English

Dorleen Jenson, *Associate Professor* *11/01/1986*
1969 BS UNIVERSITY OF UTAH
1991 MS UNIVERSITY OF UTAH
Geosciences

Karen Johnsen, *Assistant Professor* *09/30/1986*
1969 BA UNIVERSITY OF UTAH
1998 MA UNIVERSITY OF PHOENIX
Developmental Reading/Learning Enhancement

Jerry Johnson, *Assistant Professor* *09/15/1987*
1985 CERT NATIONAL INST FOR AUTO SERV EXCL
Automotive and Related Technologies

Roger Johnson, *Instructor* *12/01/1995*
1987 BS UNIVERSITY OF UTAH
2000 MS BRIGHAM YOUNG UNIVERSITY
Communication

Shirley Jones, *Associate Professor* *01/01/1992*
1961 BA BRIGHAM YOUNG UNIVERSITY
1969 MA UNIVERSITY OF UTAH
1993 PhD UNIVERSITY OF UTAH
Communication

Karl Jorgensen, *Assistant Professor* *10/01/1992*
1988 BS WEBER STATE UNIVERSITY
1992 BS WEBER STATE UNIVERSITY
Office Information Systems

Art Kanehara, *Assistant Professor* *07/01/1994*
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
1998 Doc Equiv UM-92 / UM-97
Computer Information Systems

Karen Killinger, *Instructor* *01/01/1995*
1982 BS FT. VALLEY STATE COLLEGE
1992 MS EMBRY-RIDDLE AERONAUTICAL UNIV.
Business Management

Diedre Kindsfather, *Assistant Professor* *08/16/2001*
1991 BA TRINITY UNIVERSITY SAN ANTONIO
1996 MA UNIVERSITY OF MISSOURI-COLUMBIA
English

Kevin King, *Associate Professor* *08/01/1996*
1989 BA CAL POLY SAN LUIS OBISPO
Architectural Technology

Whitney King, *Assistant Professor* *08/16/1998*
1990 BS WEBER STATE
1994 BFA WEBER STATE
1996 MFA SAVANNAH COLLEGE OF ART & DESIGN
Visual Art and Design

Duane Kinner, *Instructor* *09/16/2001*
1999 BS GALLAUDET
American Sign Language/Interpreting

(Smiljka) KiKa Kitanovic, *Instructor* *09/01/2000*
1993 BS UNIVERSITY OF BELGRADE
1993 MS UNIVERSITY OF BELGRADE
2000 PhD MT SINAI SCHOOL OF MEDICINE
Biotechnology

Keith Knavel, *Assistant Professor* *12/28/1994*
1995 AS SALT LAKE COMMUNITY COLLEGE
1995 AAS SALT LAKE COMMUNITY COLLEGE
Diesel Systems Technology

Frank Komatar, *Associate Professor* *07/01/1985*
1965 BS MONMOUTH COLLEGE
1971 MS UNIVERSITY OF WISCONSIN
Geosciences

Randal Koziatek, *Associate Professor* *04/01/1992*
1984 BS INDIANA UNIVERSITY
1985 MS INDIANA UNIVERSITY
Computer Information Systems

Mark Kranendonk, *Assistant Professor* *09/16/1994*
1997 M Equiv SALT LAKE COMMUNITY COLLEGE
1997 AS SALT LAKE COMMUNITY COLLEGE
Diesel Systems Technology

Susan Labasky, *Associate Professor* *03/01/1990*
1982 BS UNIVERSITY OF UTAH
1987 MS BRIGHAM YOUNG UNIVERSITY
Nursing

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1970 BS BRIGHAM YOUNG UNIVERSITY
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Marketing/Business Communication/Paralegal

George Lange, *Instructor* *09/01/1986*
1984 CERT SALT LAKE COMMUNITY COLLEGE
Skilled Trades (HVAC)

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1900 BS WEBER STATE COLLEGE
1975 AAS SALT LAKE COMMUNITY COLLEGE
1996 MA UNIVERSITY OF PHOENIX
Apprenticeship Electronics and Computer Technology

Rachel Lawyer, *Instructor* *10/01/1992*
1971 BS UTAH STATE UNIVERSITY
2000 MS UNIVERSITY OF UTAH
Developmental Math

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1969 BS WEBER STATE COLLEGE
1973 MS BRIGHAM YOUNG UNIVERSITY
1977 MBA UTAH STATE UNIVERSITY
1980 PhD UNIVERSITY OF UTAH
Business Management

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1973 BA UNIVERSITY OF UTAH
1989 AAS SALT LAKE COMMUNITY COLLEGE
1996 M Equiv SALT LAKE COMMUNITY COLLEGE
1999 Doc Equiv SALT LAKE COMMUNITY COLLEGE
Electrical and Instrumentation Technology

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1985 BS WESTMINSTER COLLEGE
Surgical Technology

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1984 BS UNIVERSITY OF UTAH
1987 MSN UNIVERSITY OF UTAH
1998 CERT AMERICAN NURSES CREDENTIAL CNTR
Health Care Industry

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1989 CERT SALT LAKE COMMUNITY COLLEGE
1997 CERT SALT LAKE COMMUNITY COLLEGE
2003 BS UTAH STATE UNIVERSITY
Building Construction/Construction Management

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1971 BA UNIVERSITY OF CALIFORNIA, L.A.
1973 MA BRIGHAM YOUNG UNIVERSITY
Developmental Writing

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1970 BS WEBER STATE UNIVERSITY
1986 MS UNIVERSITY OF COLORADO
Accounting

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1969 AS DIXIE COLLEGE
1973 BS SOUTHERN UTAH STATE COLLEGE
Office Information Technology

Ches Lumpkins, *Instructor* *09/30/1996*
1977 BS BRIGHAM YOUNG UNIVERSITY
1986 AAS SALT LAKE COMMUNITY COLLEGE
Electronics Technology

Brenda Lyman, *Instructor* *08/16/2003*
1983 BS COLORADO STATE UNIVERSITY
1976 CERT LINCOLN SCHOOL OF COMMERCE
1993 CERT AMERICAN OCCUPATIONAL THERAPY ASSOCIATION
Occupational Therapy Assistant

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1968 BS BRIGHAM YOUNG UNIVERSITY
1978 MS UTAH STATE UNIVERSITY
1989 EdD BRIGHAM YOUNG UNIVERSITY
Finance and Economics

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1981 BA BRIGHAM YOUNG UNIVERSITY
1982 MA BRIGHAM YOUNG UNIVERSITY
1983 MPA USC
1984 Doc Equiv BYU-82 / USC-83
1989 MA UCLA
Communication

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1981 CERT BROOKS INST, PORTLAND COMM COLL
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Visual Art and Design

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1991 BS UNIVERSITY OF UTAH
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English As A Second Language

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1974 BA UNIVERSITY OF UTAH
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1981 BA UNIVERSITY OF UTAH
1984 MA UNIVERSITY OF UTAH
History

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1998 PhD FLORIDA STATE UNIVERSITY
Humanities

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1969 BS WEBER STATE COLLEGE
1974 MS UNIVERSITY OF UTAH
1988 MA UNIVERSITY OF UTAH
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Steven Mendiola, *Instructor* *01/01/1992*
1978 CERT UNIVERSITY OF UTAH
Aviation Technology/Aviation Maintenance

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1997 AAS SALT LAKE COMMUNITY COLLEGE
2002 BS UNIVERSITY OF PHOENIX
Dental Hygiene

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1962 BS UNIVERSITY OF UTAH
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Computer Information Systems

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1975 CERT SALT LAKE COMMUNITY COLLEGE
1976 CERT SALT LAKE COMMUNITY COLLEGE
1996 M Equiv SALT LAKE COMMUNITY COLLEGE
Building Construction/Construction Management

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1988 CERT SOUTHWEST MEDICAL ACADEMY
1991 CERT CHANDLER GILBERT COMM COLL
Medical Assistant

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1984 CERT NATIONAL INST. FOR AUTOMOTIVE SRV
1984 CERT NATIONAL INST. FOR AUTOMOTIVE SRV
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1996 M Equiv SALT LAKE COMMUNITY COLLEGE
Automotive and Related Technologies

John Minichino, *Instructor* *04/01/1997*
1971 BA TEMPLE UNIVERSITY
Criminal Justice

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1964 BS TEHRAN UNIVERSITY
1971 MS TEXAS A & I UNIVERSITY
1978 PhD UNIV OF ARKANSAS
Engineering

(Elizabeth) Liz Montague, *Associate Professor* *09/01/1985*
1975 BA UNIVERSITY OF UTAH
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English

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1973 BS SOUTH DAKOTA MINES & TECH
1976 MS SOUTH DAKOTA MINES & TECH
1981 PhD UNIVERSITY OF UTAH
Engineering

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1998 AS SALT LAKE COMMUNITY COLLEGE
1998 AA SALT LAKE COMMUNITY COLLEGE
2000 BS WESTMINSTER COLLEGE
2003 MS SYRACUSE UNIVERSITY
Computer Science

Mark Moss, *Associate Professor* *09/01/1977*
1970 AS COLLEGE OF EASTERN UTAH
1972 AS SALT LAKE COMMUNITY COLLEGE
1995 BS COLUMBIA COLLEGE
Accounting

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1994 BS UNIVERSITY OF UTAH
1998 MBA UNIVERSITY OF UTAH
1998 MS UNIVERSITY OF UTAH
Business Management

Dale Nelson, *Instructor* *01/01/1994*
1970 BA UNIVERSITY OF UTAH
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Mathematics

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1957 BS BUCHAREST UNIVERSITY
1980 PhD CHALMERS UNIVERSITY, GOTHENBURG
Physics

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1968 BS BRIGHAM YOUNG UNIVERSITY
1985 MS BRIGHAM YOUNG UNIVERSITY
Mathematics

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Office Information Systems

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1966 BA UNIVERSITY OF MISSOURI
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Developmental Writing

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1999 BS GALLAUDET UNIVERSITY
American Sign Language/Interpreting

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1982 CERT SALT LAKE COMMUNITY COLLEGE
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Barbering/Cosmetology

Cynthia Parker, *Instructor* *02/01/1999*
1973 BS UNIVERSITY OF MINNESOTA
1977 MS VANDERBILT UNIVERSITY
1998 PhD HAWTHORNE UNIVERSITY
Mathematics

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1987 BS NORTHWEST NAZARENE COLLEGE
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Health and Lifetime Activities

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1987 BS UTAH STATE UNIVERSITY
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Developmental Math

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1991 BS UNIVERSITY OF UTAH
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Chemistry

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1992 AA GREEN RIVER COMMUNITY COLLEGE
1994 BA WESTERN WASHINGTON UNIVERSITY
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English

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1975 BA BOWLING GREEN STATE UNIVERSITY
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1972 CERT BRIGHAM YOUNG UNIVERSITY
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1987 CERT UTAH STATE UNIVERSITY
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1988 CERT WEBER STATE
1996 CERT A+ CERTIFICATION
1999 CERT WIN 2000 PRO MCP MCSE
2001 CERT AMP CERTIFIED
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1974 BS UNIVERSITY OF UTAH
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History

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1985 BS WASHINGTON STATE UNIVERSITY
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Visual Art and Design

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1991 AAS SALT LAKE COMMUNITY COLLEGE
1993 CCE AMERICAN CULINARY FEDERATION
1993 FMP NATIONAL RESTAURANT ASSOCIATION
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1972 CERT RAVENWOOD HOSPITAL SCHOOL
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1974 BA BRIGHAM YOUNG UNIVERSITY
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1970 BS UNIVERSITY OF UTAH
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1971 BA UNIVERSITY OF TOLEDO
1986 CERT COMMAND AND GENERAL STAFF COLLEGE - US ARMY
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1992 BS UNIVERSITY OF UTAH
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Health and Lifetime Activities

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1979 BS UNIVERSITY OF UTAH
1995 MA UNIVERSITY OF UTAH
Family and Human Studies

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1990 BA ARIZONA STATE UNIVERSITY
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1979 BS WESTMINSTER COLLEGE
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Adult Basic Education

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1976 BA UNIVERSITY OF WYOMING
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1971 BA UNIVERSITY OF BUFFALO
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1985 AAS HUTCHINGSON TECHNICAL COLLEGE
Non-Destructive Testing Technology

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1972 BS MICHIGAN STATE
1974 MSE PRINCETON UNIVERSITY
AEROSPACE/MECHNCL ENGINEERING
1975 MA PRINCETON UNIVERSITY
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1975 MSE PRINCETON UNIVERSITY
CIVIL ENGINEERING
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1980 BS BIRLA INSTITUTE OF TECHNOLOGY
1986 MS UNIVERSITY OF UTAH
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Business Management

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1995 BS NEW MEXICO INST OF MINING & TECH
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Mathematics

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1980 BA CARROLL COLLEGE
1982 MS UNIVERSITY OF ILLINIOS
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1963 BS NEW YORK UNIVERSITY
1971 MS WASHINGTON UNIVERSITY
1987 PhD CLAYTON UNIVERSITY
Sociology

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1973 BS BRIGHAM YOUNG UNIVERSITY
1996 M Equiv SALT LAKE COMMUNITY COLLEGE
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1976 BA BRIGHAM YOUNG UNIVERSITY
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1986 AA CULINARY INSTITUTE OF AMERICA
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1975 BA AUGUSTA COLLEGE
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1972 BA BRIGHAM YOUNG UNIVERSITY
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1994 BS EMBLEY RIDDLE
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1997 BS AUBURN UNIVERSITY
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1976 BS BRIGHAM YOUNG UNIVERSITY
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Family and Human Studies

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1964 BS UNIVERSITY OF UTAH
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Mathematics

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1992 AS SALT LAKE COMMUNITY COLLEGE
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2002 MEd WESTMINSTER COLLEGE
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1961 AS WEBER STATE UNIVERSITY
1963 BS UNIVERSITY OF UTAH
1971 MS UNIVERSITY OF UTAH
Political Science

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American Sign Language/Interpreting

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1964 BS ALABAMA STATE UNIVERSITY
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Developmental Reading/Learning Enhancement

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1981 BS ILLINOIS STATE UNIVERSITY
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Health and Lifetime Activities

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1973 M Equiv DONETSK STATE TECH UNIVERSITY
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Electrical and Instrumentation Technology

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1996 AAS SALT LAKE COMMUNITY COLLEGE
Engineering Design/Drafting Technology

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1972 BS WESTMINSTER COLLEGE
1978 MS PEPPERDINE UNIVERSITY
Nursing

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1972 MA VANDERBILT UNIVERSITY
Finance and Economics

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1988 AAS RICKS COLLEGE
1990 BA UTAH STATE UNIVERSITY
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English

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Languages

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1985 BA UNIVERSITY OF UTAH
1988 MA UNIVERSITY OF UTAH
Fine Arts/Music

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1995 AA CHEMEKETA COMMUNITY COLLEGE
1997 BA LINFIELD COLLEGE
1999 MS PORTLAND STATE UNIVERSITY
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1973 BS UNIVERSITY OF UTAH
1976 CPA STATE OF UTAH BUSINESS LICENSING
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Accounting

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1975 BA POMONA COLLEGE
1979 MA SOUTHERN ILLINOIS UNIVERSITY
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Biology

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Building Construction/Construction Management

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Nursing

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Mathematics

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1969 BS NORTHWEST NAZARENE COLLEGE
1970 MS NORTHERN ARIZONA UNIVERSITY
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History

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1995 BA SOUTHERN ILLINOIS UNIVERSITY
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Mathematics

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1961 BS POLITECHNICAL UNIVERSITY
1970 MS POWER UNIVERSITY, UOSKOV
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Electronics Technology

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1979 AA HINDS JUNIOR COLLEGE
1981 BS MISSISSIPPI COLLEGE
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Sociology

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1985 BS WEBER STATE COLLEGE
1988 JD UNIVERSITY OF UTAH
Paralegal Studies

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1992 AAS SALT LAKE COMMUNITY COLLEGE
2000 MS UTAH STATE UNIVERSITY
Electronics Technology

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1982 BS BRIGHAM YOUNG UNIVERSITY
1984 MS BRIGHAM YOUNG UNIVERSITY
Mathematics

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1989 MS UTAH STATE UNIVERSITY
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Chemistry

Julie Van Moorhem, *Professor* *07/01/1985*
1964 BS OLD DOMINION UNIVERSITY
1974 MS OLD DOMINION UNIVERSITY
Adult Basic Education

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1996 BS BRIGHAM YOUNG UNIVERSITY
2001 MS UNIVERSITY OF UTAH
Physics

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1997 CERT SALT LAKE COMMUNITY COLLEGE
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Electronics and Computer Technology

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1964 BS UTAH STATE UNIVERSITY
Mathematics

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1969 AAS UTAH TECHNICAL COLLEGE
1980 BS UTAH STATE UNIVERSITY
Engineering Design/Drafting Technology

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1977 AAS RICKS COLLEGE
1982 BS UTAH STATE UNIVERSITY
1984 MS UTAH STATE UNIVERSITY
Computer Information Systems

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1965 BS UNIVERSITY OF UTAH
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Nursing

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1996 AAS WEBER STATE
1997 BS WEBER STATE
2001 ASE NATIONAL INSTITUTE FOR AUTOMOTIVE SERVICE
Automotive and Related Technologies

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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
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Developmental Math

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1983 AAS PEARL RIVER JUNIOR COLLEGE
1987 BS UNIV. OF SOUTHERN MISSISSIPPI
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1995 MBA WILLIAM CAREY COLLEGE
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Marketing

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1967 BA BRIGHAM YOUNG UNIVERSITY
1970 MA BRIGHAM YOUNG UNIVERSITY
Communication

Sally Williams, *Associate Professor* *07/01/1975*
1973 BS UNIVERSITY OF UTAH
2003 CERT AMERICAN ACADEMY OF PROFESSIONAL CODERS
Office Information Systems

Brian Williamson, *Associate Professor* *07/01/1986*
1987 AAS SALT LAKE COMMUNITY COLLEGE
1992 BS PACIFIC WESTERN UNIVERSITY
1996 M Equiv SALT LAKE COMMUNITY COLLEGE
Aviation Technology/Aviation Maintenance

Dennis Wilson, *Associate Professor* *03/28/1988*
1980 BS BRIGHAM YOUNG UNIVERSITY
1986 MS BOISE STATE UNIVERSITY
Finance and Economics

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1984 CERT U OF U RADIOLOGIC TECHNOLOGY
1991 BS UNIVERSITY OF UTAH
1995 MS UNIVERSITY OF UTAH
Radiology

(James) Jay Woodall, *Assistant Professor* *09/16/1993*
1980 CERT DELTA COLLEGE
1983 CERT SAGINAW VALLEY STATE UNIVERSITY
1987 BS PORTLAND STATE UNIVERSITY
1989 MS PORTLAND STATE UNIVERSITY
Developmental Math

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1981 BS BRIGHAM YOUNG UNIVERSITY
1984 MS UNIVERSITY OF UTAH
Computer Information Systems

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1980 AS UTAH TECHNICAL COLLEGE
1982 BS SOUTHERN UTAH STATE COLLEGE
1987 MS UNIVERSITY OF UTAH
Accounting

Curtis Youngman, *Professor* *09/22/1986*
1974 BS UTAH STATE UNIVERSITY
1977 MS UTAH STATE UNIVERSITY
Marketing

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Salt Lake City, Utah 84101
(801) 957-4992

E-Campus
http://ecampus.slcc.edu

Granite District Technology Center
500 East 3300 South
Salt Lake City, Utah 84106
(801) 481-7150

International Airport Center
551 North 2200 West
Salt Lake City, Utah 84116
(801) 957-4448

Jordan Campus
3491 West Wights Fort Road
West Jordan, Utah 84088-8818
(801) 957-2600

Jordan District Technical Center
852 East 9085 South
Sandy, Utah 84094
(801) 565-7582

Meadowbrook Campus
250 West 3900 South
Salt Lake City, Utah 84107
(801) 957-4346

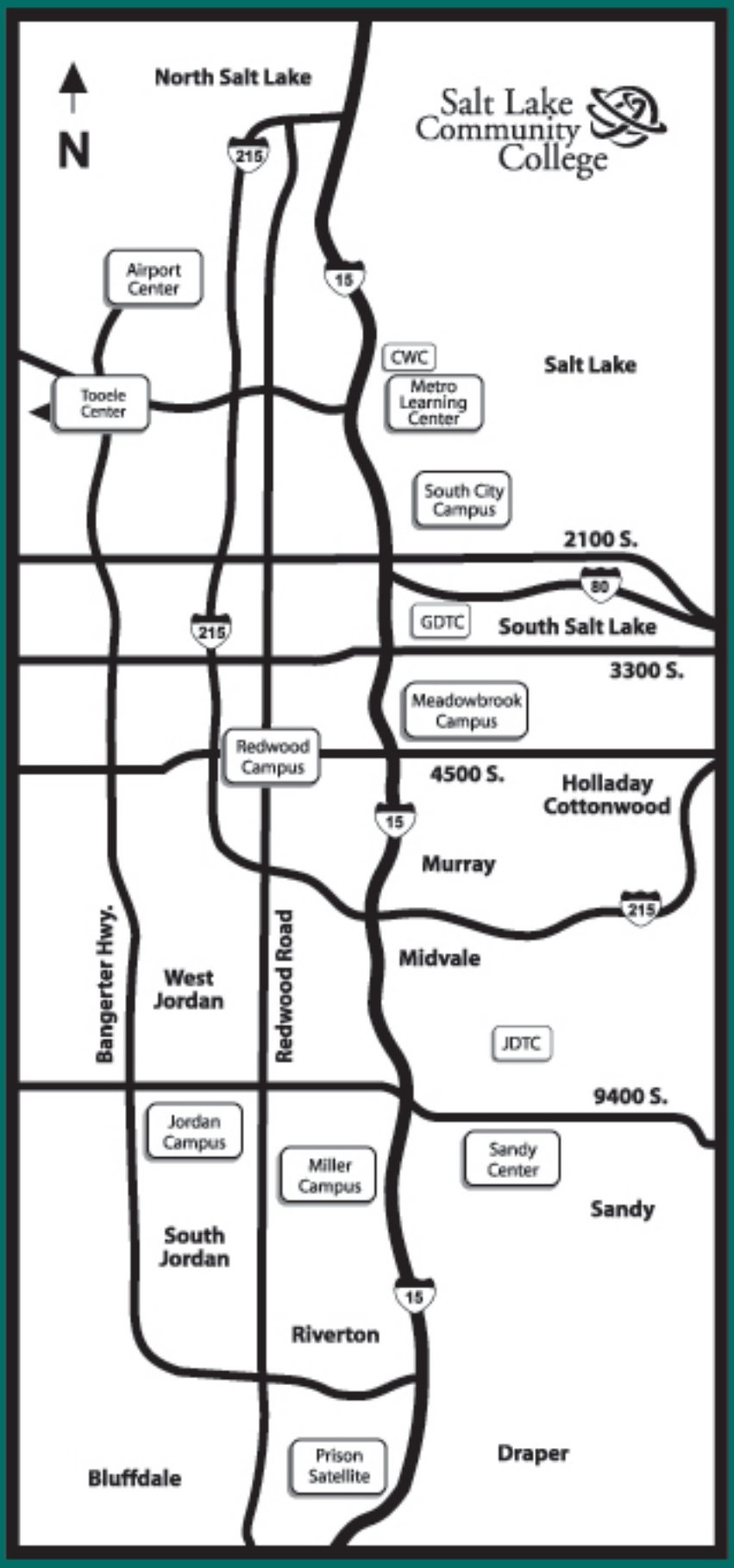
Metro Learning Center
115 South Main
Salt Lake City, Utah 84101

Miller Campus
9750 South 300 West
Sandy, Utah 84070
(801) 957-5200

Redwood Campus
4600 South Redwood Road
P.O. Box 30808
Salt Lake City, Utah 84130-0808
(801) 957-4111

Sandy Center
830 East 9400 South
Sandy, Utah 84094
(801) 957-3717

South City Campus
1575 South State Street
Salt Lake City, Utah 84115
(801) 957-3000

Utah State Prison Satellite
14000 South Frontage Road
Draper, Utah 84020

LOCATIONS