

2023
2024



CTE High School Counselor Handbook

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This high school counselor handbook was designed to provide you a crosswalk from secondary CTE programs to SLCC CTE programs. We have sorted by CTE Clusters as listed on the USBE webpage, then by pathway. This is to provide assistance to counselors looking to help students transition to a program at SLCC.

At any time, if there are any questions, please feel free to contact us at cte@slcc.edu.

ARCHITECTURE & CONSTRUCTION

Surveying and Geomatics (CP)

Taylorsville Redwood Campus

The Surveying & Geomatics Certificate of Proficiency is an interdisciplinary program that covers the fundamental competencies of the surveying profession. In keeping with the United States Department of Labor's Geospatial Technology Competency Model (GTCM), the program emphasizes geospatial technology, land boundary law, writing legal descriptions of land and real property, public land surveying, public records, surveying field techniques, photogrammetry, governing state and federal laws and surveying history. Students apply geospatial knowledge and skill sets to geomatics and classical land surveying or other chosen fields of study.

ARCHITECTURAL DESIGN (CAD)

Architecture (AS)

Students in the program learn the major aspects of architectural design and practice and acquire marketable skills in design, architectural practice, construction documentation, CAD/BIM and computer graphics. This program introduces students to basic concepts in architectural design and delineation. Students learn skills in the area of delineation through work with freehand sketching, perspectives, digital image manipulation and other methods of design idea representation with an emphasis on real-world application of concepts, principles and techniques.

CONSTRUCTION AND STRUCTURAL SYSTEMS

Air Conditioning/Heating/Refrigeration (CC)

Off Site Location

Taylorsville Redwood Campus, expected fall 2024

The Air Conditioning/Heating/Refrigeration program prepares students for careers in the heating, ventilation, air conditioning and refrigeration (HVACR) industry. Students develop their skills by participating in nationally recognized tests which provide "employment ready" certifications. "Employment ready" certifications indicate that students have the critical skills needed to be entry-level technicians in the HVACR industry.

Apprenticeship Brick Mason Technology (AAS)

Taylorsville Redwood Campus

Brick masons build walls, fireplaces, chimneys, arches, columns and other structures using brick, concrete, cinder block, stone, marble and other materials; the work is typically outdoors. Brick masons work to specific measurements and rigid specifications. This three-year program requires 6,000 hours of on-the-job training and 432 clock hours of related instruction.

DEGREE OPTIONS

(AS) Associate of Science (AA) Associate of Arts (APE) Associate of Pre-Engineering (AAS) Associate of Applied Science
(CC) Certificate of Completion (CP) Certificate of Proficiency (CA) Certificate of Achievement

Apprenticeship: Electrical Independent Technology (AAS)

Taylorsville Redwood Campus

Electricians are licensed craftsmen who plan, layout, install and alter or repair electrical wiring, fixtures, apparatus and controls. Apprentices must complete 576 minimum hours of related instruction and four years and 8,000 hours of on-the-job training (OJT) to qualify to take the journeyman exam. Application with the State of Utah's Department of Occupational and Professional Licensing must be made upon commencement of employment. Students are encouraged to register with the Bureau of Apprenticeship and Training, which is optional at the discretion of the employer.

Apprenticeship: Heating, Cooling & Refrigeration (HVAC) (AAS)

Offsite Location

Taylorsville Redwood Campus, expected fall 2024

The HVAC program offers training in both installation and service work. Apprentices in the HVAC program learn techniques required to install new equipment and skills to repair and troubleshoot existing equipment. This four-year program requires 8,000 hours of on-the-job training and 576 minimum hours of related instruction. Certifications that students will be eligible to test for upon completion of the program include: Environmental Protection Agency (EPA), Rocky Mountain Gas Association (RMGA), corrugated stainless steel tubing (CSST), hydronics and ICE. Students will be eligible to take North American Technical Excellence (NATE) and other national HVAC certification exams.

Apprenticeship: Plumber Independent Technology (AAS)

Taylorsville Redwood Campus

Plumbers are licensed craftsman who perform any mechanical work in the installation, maintenance, repair, removal and replacement of water supply and water/liquid waste removal. Before students can take the journeyman exam, they must complete 576 minimum hours of related instruction and four years and 8,000 hours of on-the-job training. Application with the State of Utah Department of Occupational and Professional Licensing must be made upon employment. Suggested registration with the Bureau of Apprenticeship and Training is strongly encouraged but is optional at the discretion of the employer. This curriculum articulates across all Utah instructional institutions.

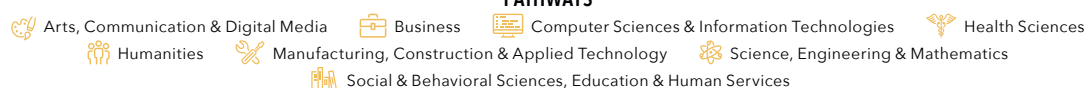
Apprenticeship: Plumber/Pipefitter JATC Technology (AAS)¹

Taylorsville Redwood Campus

Plumber/pipefitters fabricate, remodel and repair 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. 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.

¹ JATC stands for the Joint Apprenticeship and Training Committee. Students that wish to enroll in these programs must be a member of the respective union prior to enrollment.

PATHWAYS



Apprenticeship: Refrigeration JATC Technology (AAS)

Taylorsville Redwood Campus

Journeyman in the Apprenticeship Refrigeration program may specialize in either installation or service technician. The position requires precision, good manual dexterity, independent judgment, and strength and agility. This program is registered with the Bureau of Apprenticeship and Training. The national JATC curriculum has been adopted by the local sponsors and adherence to this and all other registering and licensing bodies must be strictly followed. An apprentice must have the approval of the JATC before registering for classes.

Brick Mason (CA)

Taylorsville Redwood Campus

This certificate program prepares students to work as brick masons or for entry into an AAS degree program in Apprenticeship Brick Mason Technology. Brick Masons build walls, fireplaces, chimneys, arches, columns and other structures using brick, concrete, cinder block, stone, marble and other materials; the work is typically outdoors. Brick masons work to specific measurements and rigid specifications.

Cabinetmaking and Furniture Construction (CC)

Taylorsville Redwood Campus

The Cabinetmaking and Furniture Construction program provides students with a solid base of knowledge and skills in the woodworking, furniture and cabinetmaking fields. The program offers an introduction to materials that promotes the responsible use of natural resources. Skills in traditional woodworking tools and the safe operation of power equipment are taught. Advanced instruction with computer software and computer operated CNC equipment is included.

Construction Laborer (CA)

Taylorsville Redwood Campus

This program prepares students for employment in construction by covering beginning carpentry, training in print reading, safe tool handling and use, and basic framing techniques in floors, walls, ceiling joists, and roofs.

Construction Management (AS)

Taylorsville Redwood Campus

The Construction Management program teaches light commercial and residential construction management and sustainable building methods. The program allows students to transfer into various construction management related programs and provides students with an education in construction management coursework. Coursework articulates to a BS degree in Construction Management or related fields.

Construction Management and Sustainable Building (AAS)

Taylorsville Redwood Campus

The Construction Management and Sustainable Building program teaches light commercial and residential sustainable construction methods. The program provides students with practical experience in various areas of building construction, interior finishes and cabinetmaking and project management and business management courses.

DEGREE OPTIONS

(AS) Associate of Science (AA) Associate of Arts (APE) Associate of Pre-Engineering (AAS) Associate of Applied Science
(CC) Certificate of Completion (CP) Certificate of Proficiency (CA) Certificate of Achievement

Energy Management (AAS) *Miller Campus*

The program prepares students to work in the energy management field. The program focuses on identifying and implementing energy efficiency measures and leadership through sustainable practices. Students learn the fundamentals of energy and gain an understanding of the energy systems in residential and commercial buildings. Course subject groupings include HVAC energy analysis, lighting fundamentals and applications, energy accounting and investment analysis, energy modeling and control strategies and solar photovoltaic systems. Program courses are taught by adjunct faculty who are industry experts in their fields.

Sustainable Building Construction (CC) *Taylorville Redwood Campus*

The Sustainable Building Construction program offers instruction in light commercial and residential sustainable construction methods that address green building & energy conservation. The program provides students with experience in the areas of building construction and interior finishes and can be applied toward a construction management & sustainable building AAS degree.

INTERIOR DESIGN**Interior Design (AAS, CP)** *South City Campus*









The Interior Design program develops technical skills, creativity and an understanding of all aspects of Interior Design. The graduates of this program will be qualified by education, experience and examination to enhance the function and quality of interior spaces for improving quality of life, increasing productivity and protecting public health, safety and welfare.

ARTS, AUDIO/VISUAL TECHNOLOGY & COMMUNICATIONS

BROADCASTING & DIGITAL MEDIA**Video or Radio Production (AAS)** *South City Campus*

The Video or Radio Production program prepares students in video and/or radio production, including studio and field production, video/audio editing and more. The SLCC Student Media Center (SMC) produces student-centered media, offering students a paid learning environment that enhances their television and radio skills.

PATHWAYS

 Arts, Communication & Digital Media
  Business
  Computer Sciences & Information Technologies
  Health Sciences
 Humanities
 Manufacturing, Construction & Applied Technology
 Science, Engineering & Mathematics
 Social & Behavioral Sciences, Education & Human Services

Film Production Technician (AAS) *South City Campus*

The Film Production Technician program provides students with the specialized skills to be competitive for technical positions in the film industry. Students in the program master the skills needed in the professional world of film production. Training is offered for various film production positions, including camera assistant and operator, grip and lighting/electric assistants, sound mixing and video/film editor and more. Students work with full-time faculty and expert film industry professionals who teach courses within their areas of expertise. The local film industry supports students and will provide internship opportunities for qualified SLCC students.

MIDI (CP) *South City Campus*

The MIDI Certificate of Proficiency offers students the MIDI-only portion of the Media Music AAS degree. Students in the MIDI Certificate program learn how to use digital audio workstations. Students gain proficiency with electronic instruments and with the MIDI-based components of music technology-based software. The MIDI Certificate of Proficiency is “stackable” toward the Media Music AAS degree

Media Music (AAS) *South City Campus*

The AAS in Media Music is designed to prepare students to work professionally as music producers, composers, songwriters and/or arrangers in the music and multimedia industries. In addition to a basic core of musical skills, students receive training and gain experience creating music using electronic and acoustic instruments for use in a variety of professional and commercial settings from film scores and commercial music productions to music for video games and other multimedia projects. They also receive training in business and entrepreneurship as it applies to the music industry and build a portfolio of projects that they can use to apply those entrepreneurship skills in pursuing work in the industry.

Music Recording Technology (AAS) *South City Campus*

The Music Recording Technology program prepares students to work in the music recording industry. Students learn how to make professional-quality audio recordings for a variety of media. Students learn to install and maintain audiovisual equipment and students develop the entrepreneurial ability to monetize their skills. This program offers a solid foundation in traditional musical and technical instruction, including real-world projects encountered by music and multimedia professionals. As a part of student learning and training, Music Recording Technology students collaborate with students from other programs, such as film and animation. The program gives students the business skills to be successful entrepreneurs and requires them to build a portfolio that demonstrates their audio skills.

Music Recording Technology (CP) *South City Campus*

The Music Recording Technology Certificate of Proficiency offers students the recording technology-only portion of the Music Recording Technology AAS degree; this certificate requires no additional musical training. Students learn and demonstrate proficiency with digital audio recording equipment and related software applications. Coursework in this program can be used toward the Music Recording Technology AAS degree.

DEGREE OPTIONS

(AS) Associate of Science (AA) Associate of Arts (APE) Associate of Pre-Engineering (AAS) Associate of Applied Science
(CC) Certificate of Completion (CP) Certificate of Proficiency (CA) Certificate of Achievement

FASHION APPAREL & TEXTILES

Fashion Design and Merchandising: Fashion Design Emphasis (AAS)

South City Campus

The Fashion Design Program prepares students for careers in fashion design for the apparel industry. The program's curriculum covers the latest trends, skills and technology students need to succeed in the fashion industry while also providing students with a liberal arts foundation. Students will be prepared in all aspects of fashion design, including fashion sketching, creative design, computer applications, draping and pattern drafting. Students will understand the importance of communication and critical reasoning and the effect they have on this industry.

Fashion Design and Merchandising: Fashion Merchandising Emphasis (AAS)

South City Campus

Salt Lake Community College's AAS degree in Fashion Design prepares students for careers in the fashion industry and provides a solid foundation for students who want to continue their education at four-year institutions. Fundamentals of design, fashion illustration, textiles, history of fashion, professional draping, patternmaking and sewing techniques are just a few of the topics students will learn as they take designs from concept to finished garment.

Fashion Design and Merchandising: Technical Apparel Emphasis (AAS)

South City Campus

Salt Lake Community College's AAS degree in Fashion Design prepares students for careers in the fashion industry and provides a solid foundation for students who want to continue their education at four-year institutions. Students will learn fundamentals of design, fashion illustration, textiles, history of fashion, professional draping, patternmaking and sewing techniques in order to take designs from concept to finished garment.









GRAPHIC DESIGN & COMMUNICATION

Graphic Communications (CC)

South City Campus

The Graphic Communications program is perfect for students with an aptitude in creative problem solving, drawing, design, photography and/or computer related visual communication. The Visual Art & Design Department allows students to specialize in the following areas: animation, graphic design, illustration, multimedia, photography, web design and graphic communications technologies. Students who receive a Certificate of Completion in Graphic Communications Technologies will be prepared for entry-level work in the graphic communications industry (printing). This certificate program uses standard software programs, basic printing techniques and technical procedures to prepare materials for both traditional publishing (printing) and new digital publishing technologies (tables and digital devices).

PATHWAYS

 Arts, Communication & Digital Media
  Business
  Computer Sciences & Information Technologies
  Health Sciences
 Humanities
 Manufacturing, Construction & Applied Technology
 Science, Engineering & Mathematics
 Social & Behavioral Sciences, Education & Human Services

Graphic Technician (CP) *Taylorsville Redwood Campus*

Students in the Graphic Technician program learn to communicate with employees, customers and other businesses through printed material, websites, electronic presentations, videos and other related media. This program provides students with an understanding of the skills and visual literacy needed for employment in the graphic design media industry. The Graphic Technician program provides comprehensive training in software applications and skills to prepare students for employment requiring design responsibilities in a variety of organizational settings.

Visual Art and Design: Animation Emphasis (AAS) *South City Campus*

Creative problem solving, drawing, design, photography and/or computer related visual communication are required for the Visual Art and Design program with an animation emphasis. The Visual Art & Design Department allows students to specialize in the following areas: animation, graphic design, illustration, multimedia, photography, web design and graphic communications technologies. Students who receive an AAS Degree in Animation will be prepared for entry-level work in an animation related profession. They will develop foundational drawing and design skills, apply animation principles in time-based visualizations and illustrate a working knowledge of quality visual storytelling. Students should choose electives and projects carefully to develop a working competency of both the arts and technologies involved in at least one specific area of the discipline. The animation emphasis is technically rigorous and drawing-intensive.

Note: *this program requires careful scheduling to complete the program in the recommended time.*

Visual Art and Design: Graphic Design Emphasis (AAS) *South City Campus*

Creative problem solving, drawing, design, photography and/or computer related visual communication are required for the Visual Art and Design program with a graphic design emphasis. The Visual Art & Design Department allows students to specialize in the following areas: animation, graphic design, illustration, multimedia, photography, web design and graphic communications technologies. Students who receive an AAS Degree in Graphic Design will be prepared for entry-level work in various applications of visual art, graphic design and advertising. Graphic creativity and proficiency in current computer programs necessary for employment in the graphic design field are integral parts in this program. Graphic designers are responsible for the creative concept, design, layout and execution of printed and digital materials such as ads, brochures, logos, annual reports, catalogs, signs, packaging and posters.

Visual Art and Design: Illustration Emphasis (AAS) *South City Campus*

Creative problem solving, drawing, design, photography and/or computer related visual communication are required for the Visual Art and Design program with an illustration emphasis. The Visual Art & Design Department allows students to specialize in the following areas: animation, graphic design, illustration, multimedia, photography, web design and graphic communications technologies. Students who receive an AAS Degree in Illustration will be prepared for entry-level work for traditional and computer illustration.

DEGREE OPTIONS

(AS) Associate of Science (AA) Associate of Arts (APE) Associate of Pre-Engineering (AAS) Associate of Applied Science
(CC) Certificate of Completion (CP) Certificate of Proficiency (CA) Certificate of Achievement

Visual Art and Design: Multimedia Emphasis (AAS)

South City Campus

Creative problem solving, drawing, design, photography and/or computer related visual communication are required for the Visual Art and Design program with a multimedia emphasis. The Visual Art & Design Department allows students to specialize in the following areas: animation, graphic design, illustration, multimedia, photography, web design and graphic communications technologies. Students who receive an AAS Degree in Multimedia will be prepared for entry-level work using industry applications for authoring multimedia content for diverse delivery mediums, including internet, mobile devices, HDTV content and turnkey applications. Students also use computers to edit sound and video, create 3D graphics, animation and digital artwork, and for designing/producing printed collateral and developing websites. These technical skills are complemented 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.

Visual Art and Design: Photography Emphasis (AAS)

South City Campus

Creative problem solving, drawing, design, photography and/or computer related visual communication are required for the Visual Art and Design program with a photography emphasis. The Visual Art & Design Department allows students to specialize in the following areas: animation, graphic design, illustration, multimedia, photography, web design and graphic communications technologies. Photography is widely used in visual art and design, including fine art. Students who receive the AAS Degree in Visual Art & Design's Photography Emphasis will gain competencies in all aspects of the photographic arts, including: film and digital camera operation, studio and existing lighting control, working in both digital and film environments to produce color and black and white imagery. This program prepares students to work as freelance photographers or continue their education for an advanced degree. Students learn various visual art business practices and they will prepare a professional portfolio. The photography emphasis student must have access to fully adjustable camera equipment (digital SLR) and additional equipment and supplies as required for this program and its various courses.

BUSINESS, FINANCE & MARKETING

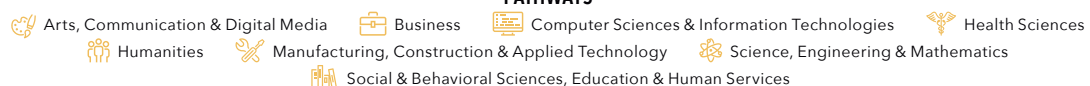
ACCOUNTING & FINANCE

Accounting (CC)

Taylorsville Redwood Campus

Accounting is the process that summarizes economic information about a business entity for use by decision makers, such as investors, creditors, management and government agencies. SLCC's accounting program provides training in financial and managerial accounting. Students are taught both manual and basic computerized accounting systems. General education courses provide training in effective oral and written communication and human relations skills. Students may earn a Certificate in Accounting (30 credit hours required) or may continue to complete the Associate of Applied Science degree (69 credit hours required), leading to employment in areas such as accounts receivable, accounts payable, general ledger and payroll.

PATHWAYS



Accounting (AAS) *Taylorsville Redwood Campus*

Accounting is the process that summarizes economic information about a business entity for use by decision makers, such as investors, creditors, management and government agencies. SLCC's accounting program provides training in many types of accounting, including financial, managerial, cost, individual taxation and governmental. Students are taught both manual and basic computerized accounting systems. General education courses provide training in effective oral and written communication and human relations skills.

- Accounting Essentials: CP
- Intermediate Accounting: CP

Financial Services (AAS) *Taylorsville Redwood Campus*

The Financial Services AAS prepares students for work in the Financial Services industry which includes brokerage firms, banks, and insurance companies.

BUSINESS ADMINISTRATION**Business Management (AAS)** *Taylorsville Redwood Campus*

The AAS in Business Management includes the study of business theory and principles applied in business with an emphasis on problem solving and decision making. This program prepares students for employment as managers, manager-trainees, production planners and schedulers, engineering assistants, inventory control technicians, entrepreneurs and other positions.

BUSINESS INFORMATION MANAGEMENT**MARKETING****Marketing Management (AAS)** *Taylorsville Redwood Campus*

Marketing offers job opportunities ranging from retailing, direct sales, advertising, physical distribution to logistics and purchasing. Students in the program cultivate fresh viewpoints and leadership skills through an open exchange of ideas and experiences while participating in team activities and problem-solving situations. General education and elective courses provide training in effective oral and written communication and human relations skills. Group and team activities in the learning process develop students' interactive skills to build human values and ethics.

DEGREE OPTIONS

(AS) Associate of Science (AA) Associate of Arts (APE) Associate of Pre-Engineering (AAS) Associate of Applied Science
(CC) Certificate of Completion (CP) Certificate of Proficiency (CA) Certificate of Achievement

COMPUTER SCIENCE & INFORMATION SYSTEMS

CYBERSECURITY

INFORMATION TECHNOLOGY SYSTEMS

Computer Sciences and Information Systems (AAS and Certificates)

Talorsville Redwood Campus

The Computer Sciences and Information Systems (CSIS) AAS Degree prepares students to enter the workplace with skills in a variety of highly technical areas. The CSIS Department offers Certificates of Proficiency (CP) in the following areas:

- Business and Personal Computing
- Computer Science Fundamentals
- Database Information Systems and Technology
- Ethical Hacking and Digital Forensic Investigation
- Fundamentals of Information Assurance and Cyber Defense
- Linux System Administration
- Mobile Application Development
- Network and Cyber Security
- Network and System Administration
- Network Routing and Switching
- Software Development
- Software Engineering
- Web Programming and Development
- Windows System Administration

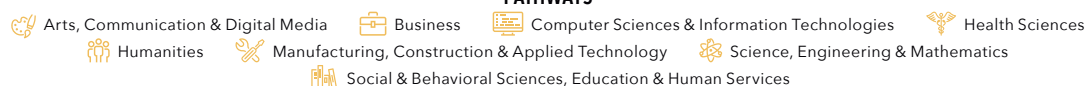
The CSIS AAS Degree provides students with the technical expertise to enter computer technology fields. Students are strongly encouraged to meet with a CSIS Academic Advisor to help choose areas of study before starting the program.

Geospatial Technology (AAS)

Talorsville Redwood Campus

The Geospatial Technology AAS degree is a technical degree in geospatial technology addressing the Department of Labor's Geospatial Technology Competency Model (GTCM) with an emphasis in geographic information systems (GIS), remote sensing and global positioning systems (GPS). The degree provides students with core competencies in GIS with a strong emphasis in aerial and satellite-based remote sensing, spatial data acquisition and publication to the Internet. Students in the program develop skill sets in web-based GIS, programming with Python, statistical analysis, open source GIS, entry-level surveying techniques and mobile mapping applications.

PATHWAYS



Network Support Technician (CA)

The Network Support Technician program prepares students to fill an entry-level networking support position in the information technology field. It covers the basics of communication media, communication devices and troubleshooting.

WEB DEVELOPMENT

Visual Art and Design: Web Design Emphasis (AAS)

South City Campus

Creative problem solving, drawing, design, photography and/or computer related visual communication are required for the Visual Art and Design program with a web design emphasis. The visual art & design department allows students to specialize in the following areas: animation, graphic design, illustration, multimedia, photography, web design and graphic communication technology. Students who receive an AAS degree in Web Design will be prepared for entry-level work in website design, creation and maintenance. Web Design students obtain both creative and technical skill sets in web design, HTML, CSS and JavaScript alongside structural knowledge of web marketing, web animation, eCommerce and the social and mobile web.

Web Graphic Design (CP)

Taylorsville Redwood Campus

The web graphic design Certificate of Proficiency is designed to prepare students to design websites from concept to completion and includes coursework in basic design principles, website architecture, graphic design, web animation, audio and video production, and website promotion. Students will prepare a portfolio of websites they can use to demonstrate their skills to potential employers.

EDUCATION & TRAINING

PRE-K: EARLY CHILDHOOD EDUCATION

Family and Human Studies (CC)

Taylorsville Redwood Campus

Family and Human Studies (FHS) students develop the skills needed to provide professional early childhood education services for young children and families. Students examine issues in providing services to children from birth through age eight in a child care or elementary setting. The program may require service-learning and lab school participation where students work with seasoned professionals in the field while learning to apply and understand the theoretical frameworks discussed in classes. The Certificate of Completion is for students who want intensive instruction in early childhood development but are not seeking a two-year degree. The Certificate of Completion requires the same FHS courses as the two-year degrees without most of the general education requirements. Coursework completed in pursuit of the Certificate of Completion can be applied toward the AS and AAS degrees.

DEGREE OPTIONS

(AS) Associate of Science (AA) Associate of Arts (APE) Associate of Pre-Engineering (AAS) Associate of Applied Science
(CC) Certificate of Completion (CP) Certificate of Proficiency (CA) Certificate of Achievement

Family and Human Studies (AAS) *Taylorsville Redwood Campus*

Family and Human Studies (FHS) students will be prepared to work with families and children within the field of early care and education as teachers or directors. Students examine issues in providing services to children from birth through age eight in a child care or elementary setting. The program may require service-learning and lab school participation where students work with seasoned professionals in the field while learning to apply and understand the theoretical frameworks discussed in classes. The two-year AAS degree in Family and Human Studies prepares students to become a teacher or director of a child care facility. Special attention is given to providing the business skills needed to become an effective child care center administrator.

K-12: TEACHING AS A PROFESSION**Education (AS)***Taylorsville Redwood Campus*









The Education Program is a two-year program designed to prepare students to transfer to an accredited four-year teacher licensure program. Students completing the program will develop skills and receive the academic and hands-on experiences necessary to be accepted into the professional core of courses offered at the university level. Specific requirements leading to a bachelor's degree in education differ among the four-year higher education institutions. To tailor a program specific to student needs, students must meet with the Education Academic Advisor prior to registering for courses.

ENGINEERING & TECHNOLOGY

ENGINEERING**Automation and Instrumentation Technician (CC)** *Westpointe Campus*

The Automation and Instrumentation Technician program supports a wide variety of automated controls and instrumentation occupations, involving automated systems, instrumentation, measurements, electric motors, controls systems, robotics, mechatronics and the application of fluid power systems. This program follows the guidelines of the International Society of Automation, offering related courses that help to support and prepare for the ISA associate CST examination. This Core Automation provides students valued skills required by industries in manufacturing, mining, refineries, building automation, renewable energy and full-on industrial controls systems. The program starts out with a solid foundation of the basic theory, laws, circuits and fundamentals of AC/DC, solid-state and digital electronics. The program teaches students how to use test equipment for troubleshooting and repair of electronic circuits. Students learn the skills required of an Automation and Instrumentation Technician to understand, maintain, troubleshoot and repair modern electronic automated systems.

PATHWAYS

 Arts, Communication & Digital Media
  Business
  Computer Sciences & Information Technologies
  Health Sciences
 Humanities
 Manufacturing, Construction & Applied Technology
 Science, Engineering & Mathematics
 Social & Behavioral Sciences, Education & Human Services

Electronics Assembly Technician (CA) *Westpointe Campus*

The Electronics Assembly Technician program provides short-term intensive training for individuals desiring to enter the multiple occupations that make up the advanced manufacturing sector. This course is mainly directed towards the electronics assembly manufacturing occupations, such as electrical and electronic equipment assemblers, electromechanical equipment assemblers and electromechanical technicians.

Engineering Design/Drafting Technology (AS) *Taylorville Redwood Campus*

Engineering Design/Drafting Technology is comprised of disciplines that are in high demand: mechanical, civil, piping, electronics, structural and industrial engineering. Students in the program develop skills in technical drafting, CAD (Computer Aided Design) and the drafting practices specific to each of these discipline areas. Drafters and designers are an integral part of a project team in every field, developing the drawings and designs for fabrication and construction. The AAS degree provides, a certificate with an emphasis in specific areas such as: electromechanical, structural steel detailing, piping and civil, it also offers instruction in CAD areas such as customization, solid modeling and discipline-specific software. Courses cover design theory, manufacturing processes and problem-solving and elective depth courses in related areas provide knowledge and skills that will improve students' ability to advance to the level of designer in industry.

Environmental Science and Sustainability (CP) *Taylorville Redwood Campus*

The Environmental Science and Sustainability program cultivates an awareness of the connectivity of the world and implications of human actions. It helps students find innovative approaches and expanding further options by practicing environmental stewardship. Sustainable practices allow individuals, communities and companies to constructively and creatively respond to external events and to mitigate the risks of their own behavior. These practices consider the interconnectedness of the economy, society and the environment. This certificate establishes a cohesive program of study related to these issues for those who have either an interest in these topics or are looking toward a career in these areas. This certificate trains students to meet increasingly complex intellectual and real-world sustainability challenges.

Microscopy (CP) *Taylorville Redwood Campus*

The Microscopy Certificate of Proficiency program provides students with skills in basic optical, electron and scanning probe microscopy techniques. Students who complete the program will be proficient in basic optical microscopy, scanning probe microscopy, electron microscopy, chemical characterization (x-ray/EDS), electrical characterization, image processing, interpretation of microscope data and presentation of observations. The application of microscopy is important to fields such as semiconductors, materials science, metallurgy, engineering, environmental studies, medicine, manufacturing and nanotechnology.

DEGREE OPTIONS

(AS) Associate of Science (AA) Associate of Arts (APE) Associate of Pre-Engineering (AAS) Associate of Applied Science
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MECHANICAL DESIGN (CAD)

Engineering Drafting and Manufacturing Technology (CC)

Taylorsville Redwood Campus

Engineering Drafting and Manufacturing Technology is comprised of disciplines that are in high demand: mechanical, civil, piping, electronics, structural and industrial engineering. Students in the program develop skills in technical drafting, CAD (Computer Aided Design) and the drafting practices specific to each of these discipline areas. Drafters and designers are an integral part of a project team in every field, developing the drawings and designs for fabrication and construction.

Machining CNC/CAM Technology (CC)

Taylorsville Redwood Campus

Machining CNC/CAM Technology machinists are in high demand in engineering, manufacturing and fabrication companies. The 30-week, 31-credit hour Machining program provides students with the skills required for work as an entry-level machinist, equivalent to six months of on-the-job training. The two-semester certificate of completion in machining technology provides students with the skills required for entry-level 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.

HEALTH SCIENCES

HEALTH SCIENCES

Certified Nursing Assistant (CA)

Jordan Campus









The Certified Nursing Assistant program prepares students to meet the State of Utah Nursing Assistant certification requirements. Students are trained to provide for the physical, physiological, psychological, emotional and spiritual needs of the patient within a hospital or long-term care facility. The curriculum includes an overall introduction to human relations, anatomy and physiology and consideration of body mechanics, disease processes and therapeutic approaches

Clinical Lab Assistant (CA)

Jordan Campus

The Clinical Lab Assistant program prepares students for entry-level medical laboratory assistant positions. The curriculum allows students to gain competency in cognitive, psychomotor and affective competencies in entry-level laboratory skills. Clinical Lab Assistants are trained to work in doctors' offices, hospital laboratories and other outpatient labs as an integral member of the allied health care delivery team. Clinical Lab Assistants perform routine medical laboratory tests for the diagnosis, treatment and prevention of disease. The program is offered in a flexible, open-entry/open-exit format. Instruction will be achieved in a competency-based education format with a combination of online, classroom, laboratory and clinical activities.

PATHWAYS

 Arts, Communication & Digital Media
  Business
  Computer Sciences & Information Technologies
  Health Sciences
 Humanities
  Manufacturing, Construction & Applied Technology
  Science, Engineering & Mathematics
 Social & Behavioral Sciences, Education & Human Services

Dental Hygiene (AAS) *Jordan Campus*

The Dental Hygiene program offers an Associate of Applied Science (AAS) degree which prepares graduates for entry-level dental hygiene careers. Dental hygienists provide preventive and therapeutic health care services including oral health assessment and education, pit and fissure sealants, fluoride treatments, oral prophylaxis and advanced periodontal therapy; in addition to public dental health services. Second-year SLCC dental hygiene students are eligible to take examinations required for licensure in all 50 states, including the written National Board Dental Hygiene Examination (NBDHE) and state or regional clinical examinations, such as the Western Regional Examination Board (WREB).

Fitness Technician (AAS) *Taylorsville Redwood Campus*

The Fitness Technician program prepares students to work as personal trainers and 'Exercise Is Medicine' clinicians. Core course content includes nutrition, kinesiology, exercise physiology, client motivation, fitness assessment, program design principles of weight training, flexibility and cardio fitness. An internship of 120 hours is required to complete the degree. Successful completion of the program prepares graduates to take certifications from various national organizations including (but not limited to): American College of Sport Medicine (ACSM), National Strength and Conditioning Association (NSCA), ACSM - Exercise Is Medicine (EIM) and Functional Movement Systems (FMS).

Medical Coding and Billing (CP) *Taylorsville Redwood Campus*

The Medical Coding and Billing program prepares students to work in the outpatient medical coding areas of hospitals, larger medical clinics and doctors' offices. The program provides basic clerical training in computer concepts, Internet, e-mail, keyboarding/skill building, word processing, ten-key, medical filing, medical terminology, insurance billing, medical accounting/patient scheduling software, outpatient coding and spreadsheets. Emphasis is placed on customer service and life skills.

Mortuary Science (AAS) *Jordan Campus*

The Mortuary Science program prepares students for careers in the funeral service profession. Graduates of the program work in funeral homes as funeral directors, embalmers, grief facilitators and pre-need specialists. The program also prepares students for licensure in the state of Utah. The Mortuary Science program gives students the fundamental knowledge and skills needed to acquire entry-level positions in the funeral service profession and to encourage research in the field of funeral service.

Nursing (AAS) *Jordan Campus*

The nursing program is a selective admission program that takes two years to complete. Students are recommended to declare a pre-health science major prior to applying to the program. Students who complete the nursing program earn an Associate of Applied Science Degree (AAS) and are eligible to test for a Registered Nursing license. Completing the additional general education requirements needed for an Associate of Science Degree (AS) or Certificate of Completion will prepare students to transfer into a four-year institution for the completion of a Bachelor of Science degree in Nursing.

DEGREE OPTIONS

(AS) Associate of Science (AA) Associate of Arts (APE) Associate of Pre-Engineering (AAS) Associate of Applied Science
(CC) Certificate of Completion (CP) Certificate of Proficiency (CA) Certificate of Achievement

Occupational Therapy Assistant (AAS)

Jordan Campus

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 or patients that helps 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.

Pharmacy Technician Training Program (CP)

Jordan Campus

The Pharmacy Technician program at Salt Lake Community College provides the necessary training and externship to prepare students to take the national Pharmacy Technician Certification Exam and to apply for state licensure with the Utah Division of Occupational and Professional Licensing. Coursework includes practical and technical training in terminology, pharmacology, calculations, adjudication, law and fieldwork preparation. Students must complete a total of 26 credit hours to complete the program.

Physical Therapist Assistant (AAS)

Jordan Campus

The Physical Therapist Assistant (PTA) program provides both general and technical education. The PTA program is accredited by the Commission on Accreditation in Physical Therapy Education. The program consists of four semesters of physical therapist assistant coursework and labs in addition to the prerequisite courses. Upon successful completion, graduates are awarded an associate of applied science degree. Graduates can take the national examination for physical therapist assistants, which allows the individual to be eligible for licensure in states that require licensure to practice. Licensure is required to practice as a Physical Therapist Assistant in Utah.

Radiologic Technology (AAS)

Jordan Campus

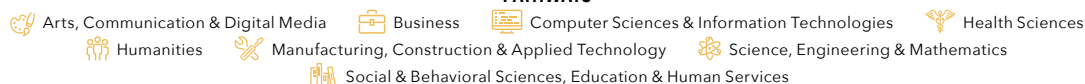
The Associate of Applied Science degree in Radiologic Technology leads to a national certification and state licensure as a radiographer. Students complete radiology coursework at the Jordan Campus and receive clinical education at local health care facilities. Students can complete general education classes at any SLCC Campus location.

Respiratory Therapy (AAS)

Jordan Campus

The Associate of Applied Science in Respiratory Therapy trains students to use critical thinking across a wide variety of clinical settings to evaluate, treat and manage patients of all ages with respiratory illnesses and other cardiopulmonary disorders. Upon successful completion of the core program, students will be eligible to take the National Board for Respiratory Care Entry-Level Respiratory Care Practitioner Examination to become a Certified Respiratory Therapist and the Advanced Level Respiratory Care Practitioner Examination to become a Registered Respiratory Therapist.

PATHWAYS



Surgical Technology (AAS) *Jordan Campus*

The Surgical Technology program prepares individuals to work as surgical technicians. Upon completion of the program, students receive an Associate of Applied Science degree and will be required to take the National Board of Surgical Technology and Surgical Assisting (NBSTSA) Exam within one year as mandated by the Accreditation Review Council on Education in the Surgical Technology and Surgical Assisting (ARC/STSA).

Biotechnology (AS) *Jordan Campus*

The biotechnology program provides students with training that prepares them for entry- to mid- level positions in research-oriented environments. The program's curriculum is driven and supported by local industry and focuses on using innovative practical activities to deliver hands-on experience.

Biotechnology (CP) *Jordan Campus*

The SLCC Biotechnology Certificate of Proficiency efficiently prepares students for employment in Utah's growing biotech industry. Students will gain practical lab skills and an understanding of the role of regulations and quality in industry, and practice effective communication in both research and manufacturing oriented environments.

HOSPITALITY & TOURISM

CULINARY ARTS

Culinary Arts (AAS) *Miller Campus*

The Culinary Arts program includes five semesters of instruction outlined by the American Culinary Federation Foundation Accrediting Commission (ACFFAC). An additional two years of related instruction and 1,000 hours of on- the-job training is required.

DEGREE OPTIONS

(AS) Associate of Science (AA) Associate of Arts (APE) Associate of Pre-Engineering (AAS) Associate of Applied Science
(CC) Certificate of Completion (CP) Certificate of Proficiency (CA) Certificate of Achievement

HOSPITALITY & TOURISM

Hospitality Management (AS)

Miller Campus

The Hospitality Basics program prepares students for entry-level management responsibility in the hospitality industry. The curriculum emphasizes a broad base of industry skills built on a strong business core, customer relations skills and creative problem solving. Cooperative Education provides work-based experience to expand students' learning opportunities. The Hospitality Management Department offers Certificates of Proficiency (CP) in the following areas:

- Business Basics: CP
- Hospitality Basics: CP
- Food Service Basics: CP

The three (3) Certificates of Proficiency above, along with the completion of the general education requirements (14 credits minimum) qualify students for an Associate of Applied Science Degree in hospitality management.

LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

PROTECTIVE SERVICES

Criminal Justice (AAS)

Miller Campus

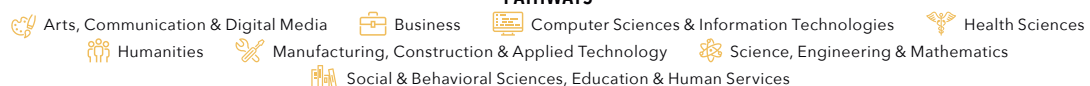
The Criminal Justice program provides students with a basic liberal education and offers students professional education in criminal justice. Students are encouraged to contact academic advising for transfer information. The program offers an associate of science degree for students who plan to transfer 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.

Emergency Medical Technician (EMT)

Miller Campus

The Emergency Medical Technician (EMT) program prepares students to be certified emergency medical technicians or Advanced EMT. Students are trained in the knowledge, skills, hands-on experience and the technical background needed to work in the field. EMT training also applies to nursing, physical therapy, law enforcement and private security personnel.

PATHWAYS



Paralegal Studies (AAS) *Library Square Center*

The Paralegal Studies program prepares students for employment as a paralegal, whether they are already working in the field or not. Paralegals complete tasks traditionally performed by an attorney, other than giving legal advice, independently representing clients and any other unauthorized practice of law. The Associate of Applied Science in Paralegal Studies has been reviewed and approved by the American Bar Association.

Peace Officer Basic Training (CA) *Miller Campus*

The Salt Lake Community College (SLCC) Law Enforcement Academy (LEA) is an authorized satellite academy of the Utah Peace Officer Standards and Training (POST). The academy is overseen and regulated by Utah POST providing satellite academies with the same learning objectives and training. Upon graduation, students receive certification as Utah Peace Officers. The SLCC satellite academy is for those who wish to gain a Law Enforcement Officer certification as a self-sponsored student by attending two training modules as a SLCC student.

Special Function Officer (CA) *Miller Campus*

The Salt Lake Community College (SLCC) Law Enforcement Academy (LEA) is an authorized satellite academy of the Utah Peace Officer Standards and Training (POST). The academy is overseen and regulated by Utah POST providing satellite academies with the same learning objectives and training. Upon graduation, students receive certification as Utah Peace Officers. The SLCC satellite academy is for those who wish to gain a Law Enforcement Officer certification as a self-sponsored student by attending two training modules as a SLCC student.

MANUFACTURING

MANUFACTURING & PRODUCTION

Non-Destructive Testing: Eddy Current (CC) *Westpointe Campus*

The non-destructive testing program prepares students for an in-demand career that offers excellent entry-level salaries. Non-destructive testing involves examining objects in any manner that does not impair that object's future usefulness. Eddy current, magnetic particle and liquid penetrant 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 basic testing techniques on both metals and non-metals, such as synthetics and composites and how to evaluate results. The certificate of completion focuses on basic manufacturing and materials-joining processes, including visual inspection, magnetic particles, liquid penetrant and eddy current techniques.

DEGREE OPTIONS

(AS) Associate of Science (AA) Associate of Arts (APE) Associate of Pre-Engineering (AAS) Associate of Applied Science
(CC) Certificate of Completion (CP) Certificate of Proficiency (CA) Certificate of Achievement

Non-Destructive Testing: Radiography (CC)

Westpointe Campus

The non-destructive testing program prepares students for an in-demand career that offers excellent entry-level salaries. Non-destructive testing involves examining objects in any manner that does not impair that object's future usefulness. Eddy current, magnetic particle and liquid penetrant 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 basic testing techniques on both metals and non-metals and how to evaluate results. The certificate of completion focuses on basic manufacturing and materials-joining processes, including visual inspection, magnetic particles, liquid penetrant, radiation safety and radiography techniques.

Non-Destructive Testing: Ultrasonics (CC)

Westpointe Campus

The non-destructive testing program prepares students for an in-demand career that offers excellent entry-level salaries. Non-destructive testing involves examining objects in any manner that does not impair that object's future usefulness. Eddy current, magnetic particle and liquid penetrant 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 basic testing techniques on both metals and non-metals and how to evaluate results. The certificate of completion focuses on basic manufacturing and materials-joining processes, including visual inspection, magnetic particles, liquid penetrant and ultrasonics techniques.

Non-Destructive Testing (AAS)

Westpointe Campus

The non-destructive testing program prepares students for an in-demand career that offers excellent entry-level salaries. Non-destructive testing involves examining objects in any manner that does not impair that object's future usefulness. Eddy current, magnetic particle and liquid penetrant 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 basic testing techniques on both metals and non-metals and how to evaluate results.









WELDING & MACHINING

Manual Machinist (CA)

Taylorville Redwood Campus

The Manual Machinist program prepares students for skilled positions as an entry-level manual machinist. Manual machinists set up and operate machine tools to produce precision parts and instruments. Students learn through hands-on projects and computer-assisted instruction the basic skills needed to fabricate, modify, or repair mechanical and/or precision instruments. Instruction in this program is competency-based, which means students learn through hands-on practice the skills needed for entry-level employment. Students begin the program by learning the safety requirements needed on the job. Students learn to operate lathes, mills and grinders, all the while learning to assess the quality of the projects they produce.

PATHWAYS

 Arts, Communication & Digital Media
  Business
  Computer Sciences & Information Technologies
  Health Sciences
 Humanities
 Manufacturing, Construction & Applied Technology
 Science, Engineering & Mathematics
 Social & Behavioral Sciences, Education & Human Services

Welding Technology (CC) *Westpointe Campus*

Students enrolled in the Welding program learn entry-level job skills in the welding processes most commonly used in today's industries. Instruction and practice are provided in oxy-acetylene, shielded-metal-arc, gas-metal-arc, flux-cored-arc and gas-tungsten-arc welding. Theory and applications of these processes are also taught, encompassing both ferrous and non-ferrous metals. Additional instruction is provided in mathematics for welding and blueprint reading. Students learn techniques for welder performance qualifications and certification testing. Enrollment is also available for students interested in upgrading their competencies in specific welding processes or application or who want to prepare for AWS, ASME and AP performance certifications.

Welding Fabrication and Inspection (AAS) *Westpointe Campus*

Students in the Welding Fabrication and Inspection program receive a foundation of industry practices, welding theory and knowledge of metal alloys and metallurgy processes. Graduates will be competent in layout, fabrication, inspection, fitting, cutting and forming metals and determining electrodes/wire and filler metals required by industry. Students learn techniques for certification testing, competent blueprint interpretation and written procedures required by industry. Welders who require certification or want to upgrade their skills in specific welding processes are encouraged to enroll in the program. The welding program also provides training in a variety of welding processes and joint designs.

TRANSPORTATION, DISTRIBUTION & LOGISTICS

AUTO MECHANICS & REPAIRS

Automotive Collision Repair (CC) *Miller Campus*

The Automotive Collision Repair program prepares students for careers as auto collision repair technicians. Students learn to 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. Any course offered in this program can be taken as part of the major course requirements for an Associate of Science degree in General Studies.

DEGREE OPTIONS

(AS) Associate of Science (AA) Associate of Arts (APE) Associate of Pre-Engineering (AAS) Associate of Applied Science
(CC) Certificate of Completion (CP) Certificate of Proficiency (CA) Certificate of Achievement

Automotive Collision Repair and Refinishing (AAS)

Miller Campus

The Automotive Collision Repair and Refinishing program prepares students for careers as auto collision repair technicians. Students learn to repair damaged motor vehicles by straightening bent structures, removing dents from fenders and body panels, welding torn metal and replacing badly damaged parts. This program combines coursework from the automotive refinishing and collision repair programs. 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.

Automotive Refinishing (CC)

Miller Campus

Automobile refinishing technicians restore damaged motor vehicles to look like new. The program requires manual dexterity and an appreciation and understanding of color. General education and elective courses provide training in effective oral and written communication and human relations skills. Students may only start every fall semester.

Automotive Undercar Specialist (CP)

Miller Campus

This certificate of proficiency marks the midpoint of the Master Automobile Service Technician AAS. This Automobile Service Excellence-Education Foundation (ASE-EF) accredited program offers our students technician training encompassing the study and appreciation of automotive systems theory, maintenance, diagnosis, and repair procedures. Where possible, student complete "live work" to gain practical experience and to demonstrate proficiency to industry standards.

Master Automobile Service Technician (AAS)

Miller Campus

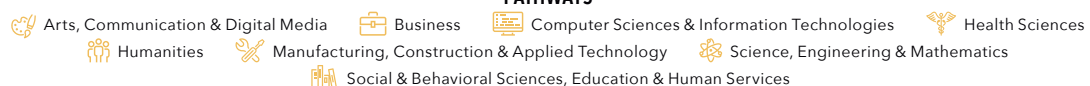
The Automobile Service Excellence-Education Foundation (ASE-EF) accredited program offers our students technician training encompassing the study and application of automotive systems theory, maintenance, diagnosis, and repair procedures. Where possible, students complete "live work" to gain practical experience and to demonstrate proficiency to industry standards. Students receive training in eight ASE automotive disciplines: A1 Engine Repair; A2 Automatic Transmissions/Transaxles; A3 Manual Drivetrain & Axles; A4 Suspension & Steering; A5 Brakes; A6 Electrical/Electronic Systems; A7 Heating & Air Conditioning; A8 Engine Performance in preparation for certification. In addition, students are taught industry soft skills by assessing vehicle system damage, completing invoices, parts requisitions, and post repair inspections as part of the "live work" practicum. Ethics, professionalism, safety, and environmental impact are stressed in all areas of training.

Motorcycle and Outdoor Power Equipment (CC, CP)

Miller Campus

This is a comprehensive one-year Certificate of Completion program designed to train students with very little mechanical or electrical knowledge and prepare them for the fast-growing motorcycle, outdoor power equipment and recreational vehicle service and repair industry. The program will also prepare students for the Equipment and Engine Training Council/ Outdoor Power Equipment (EETC/OPE) certifications. Students will study engine operation theory, electrical, drive train, suspension systems, fuel injection, carburetors, turbo charging and service and maintenance procedures. The program challenges and prepares students to become specialists in the service, repair and tuning of small gasoline engines

PATHWAYS



AVIATION

Aerospace/Aviation Technology Maintenance (AAS)

International Aerospace Aviation Education Center

Aviation and related technologies in the Aviation Maintenance program prepares students for a career in maintenance and repair of various aircraft and power plants. This program gives students knowledge and skills needed to pass the Federal Aviation Administration written, oral and practical examinations for an airframe and power plant (A&P) mechanics license. Aircraft technicians perform detailed inspections on airframes and power plants, preventive maintenance, troubleshoot, repair, install or replace parts relative to airframes and engines. Students learn to repair both fixed and rotor-wing aircraft as well as reciprocating and turbine engines.

Aircraft Electronics (CP)

Students learn the skills to become an aircraft electronics technician, commonly referred to as an avionics technician. This program also helps students enhance their skills in Aviation Maintenance. Students gain experience and knowledge in advanced systems for modern aircraft as well as legacy aircraft. Students use advanced test equipment, computers, and develop troubleshooting skills. This program specifically focuses on National Center for Aerospace & Transportation Technologies – Aircraft Electronics Technician (NCATT AET) certification with endorsements that show a high standard of training and knowledge.

DIESEL

Apprenticeship: Diesel Systems Technology (AAS)

Westpointe Campus

The Diesel Systems Technology program trains mechanics in both installation and service work. Apprentices in the DSTA program learn techniques required to install new equipment and skills and knowledge to repair and troubleshoot existing equipment. This four-year program requires 8,000 hours of on-the-job-training and 576 minimum hours of related instruction. Note: The Apprenticeship Diesel Systems Technology program is industry-specific with classes being offered on an as-needed basis. Please consult the semester class schedule for the courses being offered or contact the SLCC apprenticeship office.

Diesel Systems Technology (AAS)

Westpointe Campus

Students are taught the general concepts of diesel systems technology. Technicians in this field repair and maintain diesel equipment, such as trucks, buses and construction equipment. This includes bulldozers, earth movers, cranes and other diesel-power equipment including construction and mining. Most diesel technicians are required to buy their own hand tools. Beginning students accumulate more tools as they gain experience. Several manufacturers offer students discounts. They also may use testing equipment like dynamometers—which measure engine power-computer based diagnostic equipment to diagnose engines, transmissions and other vehicle-based systems.

DEGREE OPTIONS

(AS) Associate of Science (AA) Associate of Arts (APE) Associate of Pre-Engineering (AAS) Associate of Applied Science
(CC) Certificate of Completion (CP) Certificate of Proficiency (CA) Certificate of Achievement

Diesel Systems Technician (CP)

Westpointe Campus









The one-year Certificate of Completion trains students in diesel systems technology. Technicians in this field repair and maintain diesel equipment, such as trucks, buses, construction and mining equipment. This includes bulldozers, earth movers, cranes and other diesel-power equipment. Most diesel technicians are required to buy their own hand tools. Beginning students accumulate more tools as they gain experience. Several manufacturers offer discounts to students. They also may use testing equipment like dynamometers– which measure engine power-computer based diagnostic equipment to diagnose engines, transmissions and other vehicle-based systems.

Professional Truck Driving (CA)

Westpointe Campus

The Professional Truck Driving program prepares students for an entry-level truck driving position as Class “A” CDL drivers. The program has three courses with units of study that cover basic and advanced operating practices, defensive driving, inspections, life skills and essential activities such as trip planning, map reading, hours of service, cargo handling and an employment workshop.

PATHWAYS

 Arts, Communication & Digital Media
  Business
  Computer Sciences & Information Technologies
  Health Sciences
 Humanities
 Manufacturing, Construction & Applied Technology
 Science, Engineering & Mathematics
 Social & Behavioral Sciences, Education & Human Services

