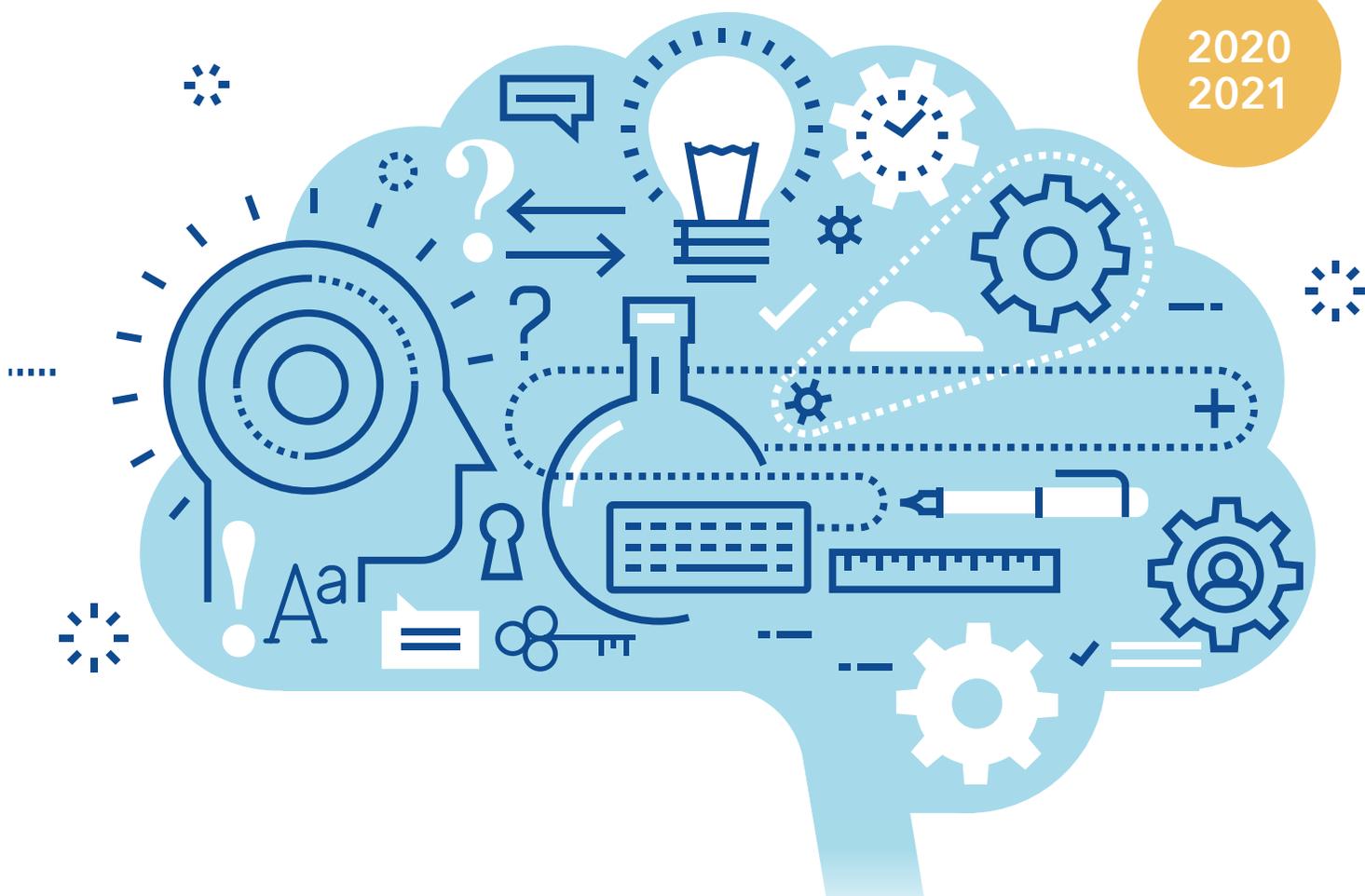


2020
2021



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 (AAS)

Taylorsville Redwood Campus

The surveying and geomatics program provides students who have little or no experience in the field the skills needed for employment as a surveyor. It also prepares people working in the profession for professional licensing examinations and gives licensed professionals training on new surveying issues and equipment.

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)

Meadowbrook Campus

Taylorsville Redwood Campus, expected spring 2021

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)

Meadowbrook Campus

Taylorsville Redwood Campus, expected spring 2021

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*

Journeymen 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.

Apprenticeship: Stagehand JATC Technology (AAS) *Taylorsville Redwood Campus*

The Apprenticeship Stagehand program trains students to build, setup and move props and stage accessories. The work also includes all sound systems, lighting systems and overall facilities for any stage or movie production. This three-year program requires 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.

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.

Civil/Environmental Engineering (APE) *Taylorsville Redwood Campus*

The Civil/Environmental Engineering program prepares students to work as civil engineers. Civil engineering deals with projects ranging from buildings, bridges, dams, highways, transportation systems, water supply systems, fluid flow, water reclamation and geotechnical problems. The program teaches students to design and supervise the construction of bridges, tunnels, large buildings, dams and coastal structures, plan, layout, construct and maintain railroads, highways and airports, devise systems for the control and efficient flow of traffic, plan and build river regulation and flood control projects, provide plants and systems for water supply and sewage and refuse disposal, and measure and map the earth's surface.

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.

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

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.

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.

Lineworker Apprentice (CP) *Miller Campus*

The Lineworker Apprentice program provides related technical instruction for students currently employed as apprentice lineworkers in the power transmission and distribution industry. The program covers topics related to construction, maintenance and operation of underground and overhead electrical systems.

Meter Apprentice (CP) *Miller Campus*

The Meter Apprentice program provides related technical instruction for students currently employed as apprentice meter technicians. A meter technician installs and maintains single and poly-phase electric meters and performs meter maintenance and accuracy testing in accordance with meter quality system requirements and industry standards. Meter technicians may also work on substations and co-generation metering. The program covers topics such as the safe installation, calibration, maintenance and repair of electric meters and associated equipment.

Photovoltaic Systems (CA) *Westpointe Campus*

The Solar Photovoltaic Installation certificate covers the NABCEP PV installation professional job task analysis. This certificate acknowledges an understanding of and experience in overall system installation and maintenance. Successful completion of this program qualifies students to take the NABCEP PV installation professional certification exam. Courses are approved for Utah DOPL continuing education hours.

PATHWAYS

Substation Apprentice (CA) *Miller Campus*

The Substation Apprentice program provides technical instruction for students currently employed as apprentice substation technicians in the electric power industry. Substation technicians construct, maintain and repair substation facilities and equipment used to deliver electric power to customers. The program covers topics related to construction, maintenance and operation of substations.

Sustainable Building Construction (CC) *Taylorsville 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)** *Taylorsville Redwood 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**Communication - 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.

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.

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

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

Motion Graphics and Visual Effects (CP) **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 a Certificate of Proficiency in Motion Graphics & Visual Effects will be prepared for entry-level work in a 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 very technically rigorous and drawing intensive. It requires careful scheduling of classes to complete the program in the recommended times.

Media Music (AAS) 

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) 

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.

PATHWAYS

FASHION APPAREL & TEXTILES

Fashion Design and Merchandising: Fashion Design Emphasis (AAS)

Library Square Center

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)

Library Square Center

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)

Library Square Center

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).

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

Graphic Technician (CP)

South City 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.

Mobile Publishing (CC)

Taylorville Redwood Campus

Students with an interest in developing web and publishing skills specifically related new trends in mobile publishing through creative and visual methods may consider this specialized Certificate of Completion through the Visual Art & Design Department. Students who receive this certificate gain a variety of skills specifically related to electronic and mobile publishing, social media and new trends as they are developed. Students stay up-to-date on current trends in industry leading software and popular technologies associated with social media, mobile apps and mobile devices.

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.

PATHWAYS



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.

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.

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

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.

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

Finance and Credit (AAS)

Taylorsville Redwood Campus

SLCC's Finance and Credit program prepares students for careers in the financial services industry—banks, savings and loans, credit unions, mortgage and thrift companies—commercial and retail credit analysis, credit granting and collections. Finance and Credit majors apply their skills in other areas such as cash management, insurance, real estate, brokerage and investment activities of financial management. The program emphasizes training in accounting, computer application, economics, business management and communication skills. The Finance Credit Certificate and Associate of Applied Science degree provide training for employment as a financial service representative, consumer lender, mortgage loan processor, insurance assistant underwriter and credit clerk. Students 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 degree programs.

PATHWAYS



BUSINESS ADMINISTRATION

Business Administration (AAS)

Taylorsville Redwood Campus

The Business Administration AAS degree prepares students to enter the workplace with skills in a variety of areas. The School of Business offers Certificates of Proficiency (CP) in:

- Business
- Accounting
- Computer Science & Information Systems
- Culinary Arts
- Finance
- Management
- Marketing

Business Basics (CP)

Business administration is one of the most-practiced management studies. Many jobs in both private and public sectors are open to students upon completing a business management degree.

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 Management (CC)

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 one-year course of study surveys the essentials of business management.

Creative Arts Entrepreneurship (CP)

South City Campus

The Creative Arts Entrepreneurship certificate program helps students develop an understanding of business processes, basic business principles, self-promotion, sales techniques, portfolio preparation, financial techniques and legal issues tailored specifically for students planning to work in creative fields such as the fine and applied arts, design, multimedia, film/video, music and writing.

Small Business Management (AAS)

Taylorsville Redwood Campus

The Small Business Management program provides students with practical experience through a Certificate of Completion in a designated technical specialization program and a Certificate of Proficiency in entrepreneurship/business. Students who complete the program will be prepared for entry-level management work in the field, the front office or to start a business.

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

BUSINESS INFORMATION MANAGEMENT

MARKETING

Digital Marketing (CP)

Taylorville Redwood Campus

The Certificate of Proficiency in Digital Marketing combines principles from marketing, design and writing to prepare students to work in the dynamic field of marketing.

Marketing Management (AAS)

Taylorville 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.

Marketing Management (CC)

Taylorville Redwood Campus

Marketing offers job opportunities ranging from retailing, direct sales, advertising and 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. This one-year course of study includes business theory and principles.

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

COMPUTER SCIENCE & INFORMATION SYSTEMS

CYBERSECURITY

INFORMATION TECHNOLOGY SYSTEMS

Computer Sciences and Information Systems (AAS and Certificates)

Taylorsville 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.

Computer Engineering (APE)

Taylorsville Redwood Campus

Computer engineering integrates electrical engineering and computer science to develop computer hardware and software. Computer engineers are involved in many hardware and software aspects of computing, from designing individual microprocessors, personal computers and supercomputers to circuit design. This field requires a strong background in physical science and mathematics.

Desktop Support Technician (CA)

The Desktop Support Technician program covers systems assembly, computer repair, troubleshooting skills development, basic network support, software installation, and customer service.

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

Geospatial Technology (AAS) *Taylorsville 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.

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.

PROGRAMMING & SOFTWARE DEVELOPMENT**Game Design and Development (CC)** *South City Campus*

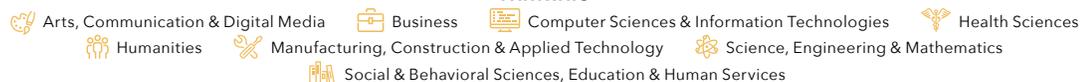
The game design and development program is perfect for students with an aptitude in creative problem solving, drawing, design, photography and/or computer related visual communication. The visual art & design department allows students to specialize in the following areas: animation, graphic design, illustration, multimedia, photography, web design and graphic communication technology. Students who receive Certificate of Proficiency in game development will be prepared for entry-level work in a related profession. Game development technical artists find varied careers in the creation of digital 2D and 3D art and animation in the video game, film, broadcast, visual effects, mobile and internet industries.

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) 

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.

PATHWAYS

Web Programmer (CP)

This program covers basic and advanced scripting and programming skills needed to create web sites and applications that are dynamic, data-driven, and interactive. The courses include techniques to build web sites that ensure functionality, security, and ease of use. Instruction includes debugging, validating, cookies, sessions, server and client-side issues. The Web Programmer certificate is designed to provide students with comprehensive training in scripting, software applications, and skills to prepare students for employment doing web-programming tasks in a variety of organizational settings.

Website Designer (CP)

South City Campus

The Website Designer program provides students with the necessary skills to design, create and publish dynamic interactive websites using the latest web design authoring software. Graduates will be able to produce professional, user-friendly websites that incorporate efficiency of design and ease of maintenance. The program provides comprehensive training in software applications and skills to prepare students for employment doing web design tasks in a variety of organizational settings.

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.

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.

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

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.

Chemical Engineering (APE)

Taylorsville Redwood Campus

Chemical engineering emphasizes physical, life and engineering sciences to convert raw materials into necessary materials and energy systems. Chemical engineers work in a wide range of industries, including petroleum processing, chemical processing and biomedical manufacturing and in the development of new products based on chemical processes.

Electrical Engineering (APE)

Taylorsville Redwood Campus

Electrical engineering is a branch of applied physics. Electrical engineers use math and physics concepts to design, simulate, build and test electrical devices and systems.

PATHWAYS



Electromechanical Assembly Technician (CA) *Westpointe Campus*

The Electromechanical Assembly Technician program provides short-term, intensive training for those seeking employment in the Advanced Manufacturing sector. Similar to the Electronics Assembly Technician program, this program supports the required training and skills needed in manufacturing. The program includes a basic computer literacy course. Training in this program provides a solid foundation to support the many occupations of Electrical and Electronic Equipment Assemblers.

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.

Electronics Communications Technician (CC)  *Westpointe Campus*

The Electronics Communications Technician program trains students in technology and communications networks and is widespread, from cellular to satellite television. This program prepares students to support operations for state agencies, utility companies and other companies which have communications systems that are both onland and wireless. Graduates of the program will be prepared for the FCC General Radio license examination - GROL. The skills acquired in the program prepare students to enter many of the related and exciting occupations in communications fields.

Electronics Engineering Technician (CC) *Westpointe Campus*

The Electronics Engineering Technician program provides training for technician occupations that work closely with engineers. Electronics engineering technicians are part of a support team in research & development and design manufacturing, designing and modifying circuits and equipment/systems. This prepares students with a solid foundation in the fundamentals of theory, laws, circuits and fundamentals of AC/DC, analog devices/circuits and digital electronics. Students in the program gain the skills and competencies required of an electronic engineering technician, including the design, testing and fabrication of new circuits and equipment.

Electronics Engineering Technology (AAS) *Taylorsville Redwood Campus*

The Associate of Applied Science degree in Electronic Engineering Technology provides students with a solid foundation in electronics theory, application and established and emerging technologies. This program is geared toward students who want to enter the workforce upon earning an AAS degree. Program graduates will be prepared to operate, install, troubleshoot, repair, maintain and service electronic equipment and systems. The program has a solid core in electronics and advanced courses which continue to build upon the fundamentals. Courses emphasize mastery of theory and attainment of skills and competencies vital to workforce needs.

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

Engineering Design/Drafting Technology (AAS)

Taylorsville 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.

Electronics Engineering Technology (CC)

Taylorsville Redwood Campus

The Electronic Engineering Technology Certificate of Completion provides students with a foundation in electronics theory, application and established and emerging technologies. This program is geared toward students who intend to enter the work force upon completing the certificate of completion. Students will be prepared to operate, install, troubleshoot, repair, maintain and service electronic equipment and systems.

Environmental Science and Sustainability (CP)

Taylorsville 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.

Geological Engineering (APE)

Taylorsville Redwood Campus

Geological Engineers utilize their backgrounds in engineering and earth science to provide solutions to engineering problems in the natural world. They are concerned with fluid flow and contaminant transport in the subsurface of the earth, with the behavior of earth materials and with design with earth materials. Students who complete the APE will be prepared to enter their junior year in Geological Engineering at a 4-year institution.

Materials Science Engineering (APE)

Taylorsville Redwood Campus

Materials Science Engineering is an interdisciplinary field that incorporates concepts in both applied physics and chemistry to engineering applications. Materials engineers study the relationship between the structure of materials at atomic or molecular scales and their macroscopic properties and understand and predict the properties of metals, ceramics, polymers, composites and semiconductors.

Mechanical Engineering (APE)

Taylorsville Redwood Campus

Mechanical engineering is one of the oldest and broadest areas of engineering. It requires an understanding of mechanics, kinematics, thermodynamics, materials science, structural analysis and electronics. Mechanical engineers use math and physics to analyze and design mechanical devices and machine systems and work in aerospace, automotive, robotics, metallurgy, petroleum and other manufacturing and design industries.

PATHWAYS



Metallurgical Engineering (APE) *Taylorsville Redwood Campus*

Metallurgical engineers are involved in the production and use of metals in engineering designs. The field is closely related to Materials Science Engineering. The program emphasizes basic science and core engineering principles. Students who complete the APE will be prepared to enter their junior year in Metallurgical Engineering in a four-year degree program.

Microscopy (CP) *Taylorsville 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.

Mining Engineering (APE)  *Taylorsville Redwood Campus*

Mining engineers are responsible for planning, designing, organizing and supervising the development of mines and the related facilities, equipment and infrastructure. The field is closely related Geological and Civil Engineering. The program emphasizes basic science and core engineering principles. Students who complete the APE will be prepared to enter their third year in mining engineering at a four-year institution.

Nanotechnology (CP) *Taylorsville Redwood Campus*

The Nanotechnology Certificate of Proficiency program provides students with skills in basic micro- and nanofabrication procedures used to create a wide variety of nanomaterials and familiarizes students with the best safety and environmental practices used in nanofabrication laboratories. In collaboration with the University of Utah and local industry, this two-year certification program is comprised of coursework outlining the fundamentals of micro- and nanofabrication and an internship/co-op program. Students who complete the program will have acquired an understanding of the operational fundamentals of micro- and nanofabrication instrumentation and experience using the equipment. Micro- and nanofabrication is important to semiconductors, materials science, metallurgy, engineering, environmental studies, medicine, manufacturing, nanotechnology and other industries.

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.

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

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.

Manufacturing Engineering (APE) *Taylorsville Redwood Campus*

Manufacturing Engineering is a branch of applied physics that focuses on methods and processes of manufacturing.

HEALTH SCIENCES

HEALTH SCIENCES

Certified Nursing Assistant (CA) *Jordan Campus*

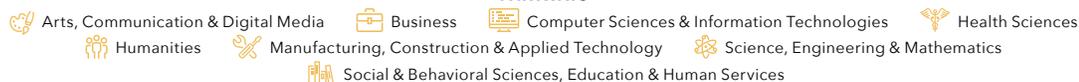
The Certified Nursing Assistant program prepares students to meet the State of Utah Nursing Assistant certification requirements. Students are trained to provide for the physical, physiological, psychological, emotional and spiritual needs of the patient within a hospital or long-term care facility. 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.

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).

PATHWAYS

Diagnostic Medical Sonography (CA) *Jordan Campus*

The Diagnostic Medical Sonography program prepares students for careers operating ultrasound equipment. Students learn how to read results from ultrasounds and explain the results to patients. This two-year certificate program prepares students to take the national registry examinations in abdominal, obstetric/gynecologic and vascular areas through the American Registry of Diagnostic Medical Sonography (ARDMS).

Fitness Technician (AAS)  *Taylorville 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) *Taylorville 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.

Medical Office Administration (CP) *Jordan Campus*

The Medical Office Administration program prepares students to work as administrative medical assistants, who work in doctors' offices and care clinics dealing with business functions, medical records, patient intake, billing and insurance and other front office tasks. The program is offered in a flexible, open-entry/open-exit format, preparing students in administrative areas of medical assisting, CPR and First Aid. Students gain competency in cognitive, psychomotor and affective competencies. Upon successful completion of the coursework, externship and receipt of all necessary documentation, students receive Certificates of Proficiency.

Medical Scribe (CA) *Jordan Campus*

The Medical Scribe program is a competency-based program that prepares students to work as medical scribes, who work in doctors' offices, clinics or inpatient facilities providing in real-time clinical documentation. Medical Scribes collect information under the direction of a licensed provider and maintain comprehensive and accurate electronic health records for the benefit of clinicians, healthcare staff and patients.

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.

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

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.

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 (CA)

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

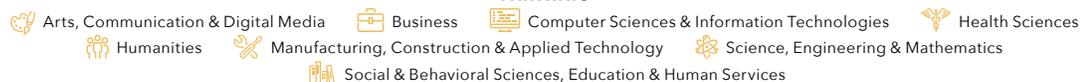
The Physical Therapist Assistant (PTA) program provides both general and technical education. The PTA program is accredited by the Commission on Accreditation in Physical Therapy Education. The program consists of four semesters of physical therapist assistant coursework and labs in addition to the prerequisite 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.

PATHWAYS



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.

Surgical Technology (CC)  *Jordan Campus*

The Surgical Technology program prepares individuals to work as surgical technicians. Upon completion of the program, students receive a Certificate of Completion 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

Commercial Baking Certificate (CC) *Miller Campus*

The Commercial Baking Certificate is a competency-based program that prepares students in baking production and pastry services used in governmental, commercial or independently owned institutional food establishments and related food industry occupations. The program includes 30 hours of ServSafe™ curriculum that includes instruction in selecting and storage of baking ingredients, preparing and serving specialized confectionery products; healthful and special-needs baking; bakeshop sanitation and safety and the use and care of commercial equipment. Once students have completed the program, additional supervised work experience prepares students for subsequent Certified Pastry Culinarian™ (CPC) certification.

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

Commercial Foods Certificate (CC) *Miller Campus*

The Commercial Foods Certificate is a competency-based program that prepares students in baking production and pastry services used in governmental, commercial or independently owned institutional food establishments and related food industry occupations. The program includes 30 hours of ServSafe™ curriculum that includes instruction in selecting and storage of baking ingredients, preparing and serving specialized confectionery products; healthful and special-needs baking; bakeshop sanitation and safety and the use and care of commercial equipment. Additional supervised work experience prepares students for subsequent Certified Culinarian™ (CC) or Certified Pastry Culinarian™ (CPC) certification.

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.

Food Service (CP) *Miller Campus*

The Food Service Certificate of Proficiency prepares students with the specific technical job skills employers demand for an entry-level position in the food service industry. This proficiency certificate includes courses in sanitation, cuisine and culture, cost control, purchasing and service.

HOSPITALITY & TOURISM**Event and Meeting Planner (CA)** *SLCC Online*

This certificate program prepares students to work in the multi-billion-dollar meeting and event planning industry. The program equips graduates with the skills and understanding needed by an industry increasingly interested in demonstrating return on investment. Students who complete all nine online courses will be awarded a certificate upon completion. Students may also enroll in individual courses to increase their skills and knowledge in areas of specific interest.

Hospitality Basics (CP) *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.

PATHWAYS

Hospitality Management (AAS) *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.

Travel Planner (CA) *SLCC Online*

The Travel Planner program prepares students for employment in the travel and tourism industry, which includes travel agencies, cruise lines, transportation companies, resorts and hotels, tourism companies and corporate travel departments. The certificate program consists of 14 courses.

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.

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

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*

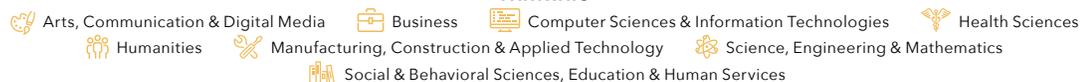
The Salt Lake Community College (SLCC) Law Enforcement Academy (LEA) is an authorized satellite academy of the Utah Peace Officer Standards and Training (POST). The academy is overseen and regulated by Utah POST providing satellite academies with the same learning objectives and training. Upon graduation, 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.

PATHWAYS

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)** *Taylorsville 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.

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

Welding (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.

Welding Technology (CC) *Westpointe Campus*

The Welding Technology one-year Certificate of Completion Degree provides students a foundation in industry practices, welding theory and an introduction to metal alloys and welding metallurgy. Graduates from the program will have entry-level skills for cutting and welding metals required by industry. Students learn techniques for certification testing, blueprint interpretation and written procedures required by industry. The welding program at SLCC 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.

PATHWAYS

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 Maintenance and Light Repair (CC) *Miller Campus*

The one-year Certificate of Completion in automotive maintenance and light repair program trains students in both domestic and imported vehicle mechanics and repairs. It prepares students to enter the job market as technicians skilled in maintenance and light repair 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.

Automotive Technician (AAS) *Miller Campus*

The four-semester automotive technician program trains students in both domestic and imported vehicle mechanics and repairs and prepares students in all facets of automotive repair. Students interested in the program should be in good physical condition, have above average mechanical aptitude and hand-eye coordination, and have problem-solving and critical thinking skills.

Collision Maintenance and Light Repair (AAS) *Miller Campus*

The Collision Maintenance and Light Repair program offers a Certificate of Completion in automotive collision repair and a Certificate of Completion in diesel or automotive maintenance and light repair. Students will learn the skills to prepare them for entry-level positions in the automotive collision repair field and the diesel or automotive repair field. Graduating students earn Certificates of Completion in their respective areas of study and an AAS degree in collision, maintenance and light repair.

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

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

AVIATION

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 Service Technician (CP)

Westpointe Campus

This program 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. Diesel technicians use testing equipment like dynamometers, which measure engine power. Computer based diagnostic equipment is also used to assist in diagnoses of engines, transmissions and other vehicle-based systems.

PATHWAYS



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.

Diesel Systems Technology (CC) *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.