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INTRODUCTION

This high school counselor handbook was designed to provide you a crosswalk from secondary CTE programs to Salt Lake Community College (SLCC) CTE programs. We have sorted by CTE Clusters as listed on USBE website, then by pathway. This is to aid counselors looking to help students transition to a program at SLCC.

Salt Lake Community College serves over 10,000 students in CTE programs across 9 campus locations (including online). SLCC regularly collaborates with industry partners through our Education and Career Pathways Advisory Committees to help inform curriculum, work-based learning, and other elements that help form our more than 125 CTE programs. While SLCC works closely to ensure seamless transition to industry, we are also here to provide support to you while establishing smooth on ramps for your students that wish to continue their skills and knowledge.

At any time, if there are questions, please feel free to contact us at cte@slcc.edu. You can also visit our webpage: slcc.edu/cte.

ARCHITECTURE AND CONSTRUCTION

Surveying and Geomatics (CP)

Taylorsville Redwood Campus

The Surveying and Geomatics program 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 AND INTERIOR DESIGN

Architecture (AS)

Taylorsville Redwood Campus

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.

Interior Design (AAS)

South City Campus

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

CONSTRUCTION AND STRUCTURAL SYSTEMS

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. Brick mason work to specific measurement and rigid specification. This three-year program requires 6,000 hours of on-the-job training and 432 clock hours of related instruction. New students must begin their core curriculum through the Brick Mason program offered through Salt Lake Technical College.

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/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 (DOPL) 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. New students must begin their core curriculum through the Electrical Apprenticeship program offered through Salt Lake Technical College.

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

Taylorsville Redwood Campus

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 ours 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. New students must begin their core curriculum through the HVACR Technician program offered through Salt Lake Technical College.

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 (DOPL) 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. New students must begin their core curriculum through the Plumbing Apprenticeship program offered through Salt Lake Technical College.

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.

¹JATC 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*

Students in the Apprenticeship Refrigeration program may specialize in either installation or service technician. This program is registered with the Bureau of Apprenticeship and Training. The national JATC curriculum has been adopted by the local sponsors and adherence to this and all other registering and licensing bodies must be strictly followed. An apprentice must have the approval of the JATC before registering for classes.

Brick Mason (CA)  *Taylorsville Redwood Campus*

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

Cabinetmaking and Furniture Construction (CC)  *Taylorsville Redwood Campus*

The 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.

Concrete Masonry Apprenticeship (CA)  *Taylorsville Redwood Campus*

Concrete/cement mason is a skilled craft worker who works with a crew to pour, smooth and finish floors, curbs, walls, columns, and other structures using concrete and industry hand and power tools.

Construction Laborer (CA)  *Taylorsville Redwood Campus*

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

Construction Management (AS)  *Taylorsville Redwood Campus*

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

DEGREE OPTIONS

(AS) Associate of Science (AA) Associate of Arts (APE) Associate of Pre-Engineering (AAS) Associate of Applied Science
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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.

Electrical Apprenticeship (CA)

Taylorsville Redwood Campus

The program provides a solid understanding of the National Electrical Code (NEC), its layout, the requirements for different electrical systems, and the components of those systems.

HVACR Technician (CC)

Taylorsville Redwood Campus

The 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 which indicate that students have the critical skills needed to be technicians in the HVACR industry.

Low Voltage Technician Apprenticeship (CA)

Taylorsville Redwood Campus

Low Voltage (LV) electrical systems field specialization includes video and audio media, life safety (access control, burglar and fire alarms, and video surveillance), communications (telephone, modem computer networks, paging), and environmental controls (HVACR and energy management).

Sustainable Building Construction (CC)

Taylorsville Redwood Campus

The 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.

Technical Theatre (CP)

South City Campus

The Technical Theatre certificate program provides students with training required to work in the technical theatre industry. It includes training in theatrical construction, lighting, sound design, and hands-on production work which will prepare students to compete in the professional theatre world.

PATHWAYS

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

ARTS, AUDIO/VISUAL TECHNOLOGY AND COMMUNICATIONS

BROADCASTING AND DIGITAL MEDIA

Commercial Music (AAS)

South City Campus

The Commercial Music AAS degree program is a hands-on technical and artistic program that prepares students for careers in the commercial music industry. Emphases are offered in recording technology, composition/songwriting, and performance.

Film Production Technician (AAS)

South City Campus

The Film Production Technician program provides students with the specialized knowledge required to perform a wide variety of tasks encountered in the professional world of film and video production.

MIDI (CP)

South City Campus

This certificate represents proficiency working with electronic instruments and the MIDI-based components of music technology-based software applications (specifically digital audio workstations).

Music Recording Technology (CP)

South City Campus

Students learn and demonstrate proficiency with digital audio recording equipment and related software applications.

Video/Radio Production (AAS)

South City Campus

The 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 students-centered media, offering students a paid learning environment that enhances their television and radio skills.

FASHION APPAREL AND TEXTILES

Fashion Design and Merchandising: Fashion Design Emphasis (AAS)

South City Campus

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

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Fashion Design and Merchandising: Fashion Merchandising Emphasis (AAS)

South City Campus

The program 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 are just a few of the topics students will learn as they take designs from concept to finished garment.

Fashion Design and Merchandising: Technical Apparel Emphasis (AAS)

South City Campus

This program 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 are just a few of the topics students will learn as they take designs from concept to finished garment.

GRAPHIC DESIGN & COMMUNICATION

Digital Design (CC)

Taylorville Redwood Campus

The Digital Design program provides a strong foundation in the diverse field of graphic design. Students learn theory and experience hands-on application in the production of electronically generated media for print, television, film, websites, and mobile computing.

Game Development (CP)

South City Campus

Students will prepare themselves to be technical artists working in the creation of digital 2D and 3D art and animation in the video game, film, broadcast, visual effects, mobile, and internet industries.

Graphic Communications (CC)

South City Campus

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 complete the program will be prepared for work in the graphic communications industry (printing) this 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).

Photography Foundation (CP)

South City Campus

This program cultivates an essential foundation of digital camera operation, digital workflow, and analog film components to produce inspiring color and black & white imagery.

PATHWAYS

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

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

Students who receive an AAS degree in Animation will be prepared for work in an animation related profession. They will develop foundation drawing and design skills, apply animation principles in time-based visualizations and illustrate a working knowledge of quality visual storytelling.

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

Students who receive an AAS degree in graphic design will be prepared for work in various application so visual art, graphic design and advertising. Graphic creativity and proficiency in current computer programs necessary for employment in the graphic design field are integral parts in this program. Graphic designers are responsible for the creative concept, design, layout and execution of printed and digital materials such as ads, brochures, logos, annual reports, catalogs, signs, packaging and posters.

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

Students who receive an AAS degree in illustration will be prepared for entry-level work for traditional and computer illustration.

Visual Art and Design: Motion Graphics (CP) *South City Campus*

Students develop foundation and drawing skills, apply animation principles in time-based visualizations, and illustrate a working knowledge of quality visual storytelling.

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

Students who receive an AAS degree in Multimedia will be prepared for 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.

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

Students who receive the AAS degree is Photography 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.

DEGREE OPTIONS

(AS) Associate of Science (AA) Associate of Arts (APE) Associate of Pre-Engineering (AAS) Associate of Applied Science
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BUSINESS, FINANCE AND MARKETING

BUSINESS ADMINISTRATION

Business Management (AAS)

Taylorsville Redwood Campus

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

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. This program provides training in financial and managerial accounting. Students are taught both manual and basic computerized accounting systems.

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. This 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.

Financial Services (AAS)

Taylorsville Redwood Campus

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

MARKETING

Marketing Management (AAS)

Taylorsville Redwood Campus

Marketing offers job opportunities ranging from retailing, direct sales, advertising, physical distribution to logistics and purchasing. Students in the program cultivate fresh viewpoints and leadership skills through an open exchange of ideas and experiences while participating in team activities and problem-solving situations.

PATHWAYS



COMPUTER SCIENCE AND INFORMATION SYSTEMS

CYBERSECURITY

Network and Cybersecurity (CP)

Taylorville Redwood Campus

The program provides students with an in-depth knowledge of network and cybersecurity.

INFORMATION TECHNOLOGY SYSTEMS

Business and Personal Computing (CP)

Taylorville Redwood Campus

This certificate provides students foundational skills. Students learn the skills necessary to manage their own personal computing needs as well as some of the fundamental skills necessary for a small home-based business.

Computer Science Fundamental (CP)

Taylorville Redwood Campus

This certificate prepares students for advanced studies in computer science including software development.

Computer Science and Information Systems (AAS & Certificate)

Taylorville 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
- Digital Marketing
- Linux System Administration
- Mobile Application Development
- Network and Cybersecurity
- Network and System Administration
- Network Routing and Switching
- Software Development
- Web Programming and Development

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

DEGREE OPTIONS

(AS) Associate of Science (AA) Associate of Arts (APE) Associate of Pre-Engineering (AAS) Associate of Applied Science
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Database Information Systems and Technology (CP) *Taylorsville Redwood Campus*

This program provides students a well-rounded introduction to acquiring knowledge and skills in designing, processing and managing business database systems.

Information Technology (CP) *Taylorsville Redwood Campus*

Throughout the program, students apply classroom theory to computer hardware and software, mobile devices, operating systems, networking, security, cloud technology and other technologies relevant to the industry.

Linux System Administration (CP) *Taylorsville Redwood Campus*

A study of the Linux operating system, including desktop, server and enterprise environments. Including terminal emulation, use of system editors, basic Linux command, writing script files and introductory system management concepts.

Network and System Administration (CP) *Taylorsville Redwood Campus*

This program gives students a background in Linux, Microsoft, basic networking, and routing and switching, the student will analyze network traffic for security vulnerabilities, mitigate network outages due to security breaches, and design cybersecurity solutions for business problems.

Network Routing and Switching (CP) *Taylorsville Redwood Campus*

Students learn to organize, install, and support an organization's computer systems, including local area networks (LANs), wide area networks (WANs), network segments, intranets, and other data communication systems.

Software Development (CP) *Taylorsville Redwood Campus*

Throughout the program, students apply classroom theory to computer hardware and software, mobile devices, operating systems, networking, security, cloud technology and other technologies relevant to the industry.

WEB DEVELOPMENT**Mobile Application Development (CP)** *Taylorsville Redwood Campus*

This program teaches students how to develop software for mobile devices such as the iPhone, Droid, and others.

PATHWAYS

Visual Art and Design: Web Design Emphasis (AAS) *Taylorsville Redwood Campus*

Students who receive an AAS degree in Web Design will be prepared for 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 and Graphic Design (CC) *Taylorsville Redwood Campus*

Students learn to develop websites using industry-standard programming languages, create both print and digital collateral using industry-standard visual design software, and implement effective marketing campaigns using industry best practices.

Web Graphic Design (CP) *Taylorsville Redwood Campus*

The Web Graphic Design certificate 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.

Web Programming and Development (CP) *Taylorsville Redwood Campus*

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

EDUCATION AND 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.

DEGREE OPTIONS

(AS) Associate of Science (AA) Associate of Arts (APE) Associate of Pre-Engineering (AAS) Associate of Applied Science
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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 AND TECHNOLOGY

ENGINEERING

Electronics Assembly Technology (CA)

Westpointe Campus

The program covers electronics soldering and mechanical assembly. Coverage of component identification, schematic diagrams/symbols, direct current basics, and digital meters applications. The IPC certification courses cover electronics inspection and workmanship criteria.

Electronics Technology (CP)

Westpointe Campus

Students are introduced to a wide variety of tools, instruments, power supplies, signal generators, practices, and procedures.

Engineering-Full (APE)

Taylorsville Redwood Campus

Engineering-Full combines the full complement of General Education courses with the courses necessary to achieve major status at USHE transfer institutions in Chemical, Civil/Environmental, Computer, Electrical, Geological, Materials Science, Mechanical, Metallurgical, or Mining Engineering.

Engineering-Traditional (APE)

Taylorsville Redwood Campus

General Engineering Traditional includes the courses necessary to achieve major status at USHE transfer institutions in Chemical, Civil/Environmental, Computer, Electrical, Geological, Materials Science, Mechanical, Metallurgical, or Mining Engineering. It includes a subset of the general education courses appropriate to the first 2 years of a 4-year program but does not fulfill the entire general education requirements of a 4-year program.

PATHWAYS



Engineering Design Manufacturing Technology (AAS) *Westpointe Campus*

The Associate of Applied Science degree in Engineering Technology with emphases in Product Design Engineering Technology (PDET), Mechanical Engineering Technology (MET), or Manufacturing Engineering Technology (MFET) provides the student with a solid foundation in electronics theory and application, as well as established and emerging technologies.

Engineering Drafting and Manufacturing Technology (CC) *Westpointe Campus*

Students develop skills in technical drafting, CAD (computer aided design), and the drafting practices specific to each of these discipline areas.

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

The 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.

Micro-/Nanotechnology (CP) *Taylorville Redwood Campus*

The program provides students with industry-based skill sets related to chemical synthesis, chemical analysis, basic micro-/nanofabrication procedures, and nano characterization.

Geographic Information Systems (CP) *Taylorville Redwood Campus*

Geographic Information Systems is an interdisciplinary program with an emphasis on GIS, remote sensing, global positioning systems (GPS) and programming.

Geographic Information Systems and Drones (AAS) *Taylorville Redwood Campus*

Through this interdisciplinary program students will learn the necessary skills and qualifications for various positions in geospatial technology, specifically focusing on Geographic Information Systems (GIS) and drones (sUAS).

Small Unmanned Aerial Systems (sUAS) (CP) *Taylorville Redwood Campus*

Small Unmanned Aerial Systems (sUAS) includes unmanned aircraft as well as other software and hardware components required for the operation of the aircraft.

DEGREE OPTIONS

(AS) Associate of Science (AA) Associate of Arts (APE) Associate of Pre-Engineering (AAS) Associate of Applied Science
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HEALTH SCIENCES

HEALTH SCIENCES

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 support by local industry and focuses on using innovative practical activities to deliver hands-on experience.

Biotechnology (CP)

Jordan Campus

The SLCC Biotechnology certificate 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.

Dental Hygiene (AAS)

Jordan Campus

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 Examinations (NBDHE) and state or regional clinical examinations, such as the Western Regional Examination Board (WREB).

Fitness Technician (AAS)

Taylorsville Redwood Campus

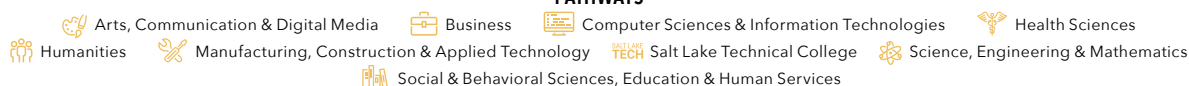
The Fitness Technician program prepares students to work as personal trainers and Exercise is Medicine clinicians. Core course content includes nutrition, kinesiology, exercise physiology, client motivation, fitness assessment, program design principles of weight training, flexibility and cardio fitness.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

Medical Assistant (CP)

Jordan Campus

Students in this program learn cognitive, psychomotor, and affective learning domains by focusing on administrative and back office clinical skills.

PATHWAYS



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

The Medical Coding and Billing program provides students with the technical skills and knowledge for an entry-level position in a health care setting. Once certified students will work as entry-level Medical Coder and/or Biller in a medical office, clinic, or hospital. Medical Coding and Billing specialists examine how to code diagnoses and procedures performed or identified by a physician. As well as how to process health insurance claims, examine coverage issues, and processes for billing and collections. This training can be used as a step to gain valuable industry-recognized certifications including Certified Professional Coding (CPC), Certified Coding Specialist (CCS), and/or Certified Medical Coder (CMC).

Mortuary Science (AAS) *Jordan Campus*

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

Nursing Assistant (CA) *Jordan Campus*

The Nursing Assistant program is designed for students to receive their certification by completing coursework in classroom and clinical settings.

Nursing (AAS) *Jordan Campus*

The Nursing program is a selective admission program that takes 18 months to complete once accepted. Successful completion entitles the student to an Associate of Applied Science degree (AAS) and eligibility to test for a Registered Nursing license.

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.

Pharmacy Technician Training Program (CP) *Jordan Campus*

The Pharmacy Technician program prepares students to support pharmacists by performing a wide range of practice-related duties for community, institutional, compounding, long-term care, mail-order, and other pharmaceutical settings. Students learn the most common medications, calculate dosages, process prescriptions, bill third-party insurance, learn aseptic techniques, and prepare sterile and non-sterile compounded medications. Students receive extensive hands-on training in the lab area using advanced pharmacy technology.

DEGREE OPTIONS

(AS) Associate of Science (AA) Associate of Arts (APE) Associate of Pre-Engineering (AAS) Associate of Applied Science
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Physical Therapist Assistant (AAS) *Jordan Campus*

The program consists of four semesters of physical therapist assistant coursework and skill-based instruction in addition to several selected prerequisite courses. Upon successful completion, graduates are able to sit for the National Examination for Physical Therapy Education (NPTE), which allows the individual to be eligible for licensure. To practice as a physical therapist assistant in Utah, licensure is required.

Pre-Health Sciences (AS) *Taylorsville Redwood Campus*

This program provides the courses needed to complete the pre-requisites required for admission to programs in SLCC's School of Health Sciences. It also provides the required pre-requisite courses for admission to medical schools, dental schools, school of pharmacy, etc.

Radiologic Technology (AAS) *Jordan Campus*

The degree in Radiologic Technology leads to a national certification and state licensure. The program offers students didactic and clinical experiences to learn skills of an entry-level radiographer.

Respiratory Therapy (AAS) *Jordan Campus*

The Respiratory Therapy program is a selective admission program that takes four semesters to complete once accepted. Successful completion entitles the student to an Associate of Applied Science degree in Respiratory Therapy and eligibility to sit for the Registered Respiratory Therapist board exams.

Surgical Technology (AAS) *Jordan Campus*

The Surgical Technology program requires students to acquire entry-level knowledge in the field of surgical technology. Students will demonstrate excellent skill competencies, and develop professional interpersonal skills and attitudes required for successful employment and work successfully in the operating room. Graduates are required to take the National Certification Examination administered by the National Board of Surgical Technology and Surgical Assisting (NBSTSA). Passing the national examination qualifies the individual as a Certified Surgical Technologist (CST®).









HOSPITALITY AND TOURISM

CULINARY ARTS

Culinary Arts (AAS) *Miller Campus*

The Culinary Arts (CHEF) program requires five semesters to complete the curriculum as outlined by the American Culinary Federation Foundation Accrediting Commission (ACFFAC). In addition to two years of related instruction, there is an on-the-job training requirement of 250 hours where the work must be performed in a pre-approved establishment with more than 50% of the food being prepared from scratch.

PATHWAYS

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

HOSPITALITY AND TOURISM

Hospitality Management (AS)

Miller Campus

The Hospitality Management degree is designed as a transfer degree to hospitality management programs at four-year institutions within the Utah System of Higher Education. This program also prepares students for entry-level management responsibility in the dynamic field of hospitality. The curriculum emphasizes a broad base of industry skills built on a strong business core, customer relation skills, and creative problem solving. Cooperative Education provides work-based experience to expand students' learning opportunities.

HUMAN SERVICES

FAMILY AND HUMAN SERVICES

American Sign Language/English Interpreting (AAS)

Taylorville Redwood Campus

The ASL/English Interpreting program is designed to prepare students for state and national certification testing.

Behaviorial Health Technician (CP)

Taylorville Redwood Campus

The program will prepare students through classroom training and internship experience to enter the rapidly expanding health and human service workforce, with a focus on supporting licensed health care professional in treating and caring for individuals with behavioral health disorders, while promoting the recovery and well-being of clients.

Cultural Resource Management (CP)

Taylorville Redwood Campus

Students will be prepared to appropriately study and preserve archaeological sites, historic buildings and structures, objects, and landscapes to manage these resources so that they will survive for future generations.

Substance Use Disorder Counselor (CP)

Taylorville Redwood Campus

Students will be prepared to appropriately study and preserve archaeological sites, historic buildings and structures, objects, and landscapes to manage these resources so that they will survive for future generations.

DEGREE OPTIONS

(AS) Associate of Science (AA) Associate of Arts (APE) Associate of Pre-Engineering (AAS) Associate of Applied Science
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LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY

PROTECTIVE SERVICES

Advanced Emergency Medical Technician (AAS)

Miller Campus

The program satisfies the training requirements for those who are interested in becoming an EMT or Advanced EMT (AEMT). The training is designed to prepare the student for the real world of medical care by giving the knowledge, skills, hands-on experience, and the technical background to provide such care.

Criminal Justice (AS, AAS)

Miller Campus

Criminal justice is a multidisciplinary field influenced by sociology, economics, anthropology, psychology, which is grounded in the liberal arts, behavioral and social sciences. The Criminal Justice programs provide students with an outstanding, rigorous, equitable, diverse, just, community-engaged, and inclusive professional education to foster essential skills, networking, theory, and knowledge required to be successful within the fields of criminal justice and criminology.

Emergency Medical Technician (EMT)

Miller Campus

The program satisfies the training requirements for those who are interested in becoming an EMT or Advanced EMT (AEMT). The training is designed to prepare the student for the real world of medical care by giving the knowledge, skills, hands-on experience, and the technical background to provide such care.

Paralegal Studies (AAS)

Taylorville Redwood Campus

A paralegal is a person qualified through education, training, and work experience, who under the direction and supervision of an attorney performs delegated legal work for the attorney or law firm, which the attorney otherwise would perform. Although a paralegal is not licensed to practice law, he or she completes tasks traditionally performed by an attorney, with the exceptions of giving legal advice, independently representing clients, and any other unauthorized practice of law. 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.

PATHWAYS



Special Function Officer (CA) *Miller Campus*

The 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. Graduating students will receive certification as a Utah Peace Officer as defined in Utah Code Annotated 53-13-101(2). Please visit Utah Department of Public Safety for additional information.

MANUFACTURING

MANUFACTURING AND PRODUCTION

Advanced Manufacturing (AAS) *Westpointe Campus*

Students learn the fundamental of manufacturing and professional development with hands-on technical skills that typically come from experience working on the production floor.

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 techniques on both metals and non-meals, such as synthetics and composites and how to evaluate results. This program focuses on basic manufacturing and materials-joining processes, including visual inspection, magnetic particles, liquid penetrant and eddy current techniques.

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 techniques on both metals and non-meals, such as synthetics and composites and how to evaluate results. This program focuses on basic manufacturing and materials-joining processes, including visual inspection, magnetic particles, liquid penetrant and eddy current 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,

DEGREE OPTIONS

(AS) Associate of Science (AA) Associate of Arts (APE) Associate of Pre-Engineering (AAS) Associate of Applied Science
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marine, electronics, construction, aircraft, materials joining, utilities and many others. Students learn to perform basic techniques on both metals and non-metals, such as synthetics and composites and how to evaluate results. This program focuses on basic manufacturing and materials-joining processes, including visual inspection, magnetic particles, liquid penetrant and eddy current 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 techniques on both metals and non-metals, such as synthetics and composites and how to evaluate results.

WELDING & MACHINING

Apprenticeship CNC Machinist Technician (CA)

Westpointe Campus

The essential role of the CNC machinist technician is to operate computer numeric control machines to fabricate parts under the supervision of a machinist. The technician loads parts in the machine, cycles machine and safety and accurately to pre-form a variety of functions.

Manual Machinist (CA)

Westpointe Campus

This program prepares students for skilled positions as an entry-level manual machinist. Manual machinists are individuals who can set up and operate a variety of machine tools to produce precision parts and instruments. Students will learn through hands-on projects and computer-assisted instruction, the basic skills needed to fabricate, modify, or repair mechanical and/or precision instruments. Employment may also include fabricating and modifying parts to make or repair machine tools or maintain industrial machines.

Welding Fabrication and Inspection (AAS)

Westpointe Campus

Students are required to earn a certificate of completion in welding from the Salt Lake Technical College at SLCC as a pre-requisite to the Welding Fabrication and Inspection AAS degree program. Degree seeking students will receive a foundation of industry practices, welding theory, and knowledge of metal alloys and metallurgy processes. Graduates from the program will be competent in layout, fabrication, inspection, fitting, cutting, and forming metals, and determining electrodes and filler metals required by industry. Students will have the opportunity to learn techniques for certification testing, competent blueprint interpretation, and written procedures required by industry. Welders desiring to improve their position by upgrading their skills in specific welding processes or applications; or welders desiring instruction certification, fabrication, or inspection are encouraged to enroll in the program.

PATHWAYS

Welding Technology (CC) *Westpointe Campus*

Instruction and practice are provided in oxyacetylene welding (OAW), shielded metal arc welding (SMAW), gas metal arc welding (GMAW), flux cored arc welding (FCAW), and gas tungsten arc welding (GTAW). Thermal cutting and gouging techniques using oxy-fuel, plasma-arc and arc-air processes are also covered.

TRANSPORTATION, DISTRIBUTION AND LOGISTICS

AUTOMOTIVE

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.

Automotive Collision Repair and Refinishing (AAS) *Miller Campus*

The 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.

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.

Automotive Undercar Specialist (CP) *Miller Campus*

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

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

Master Automobile Service Technician (AAS) *Miller Campus*

The Automobile Service Excellence-Education Foundation (ASE-EF) accredited program offers our students technician training encompassing the study and application of automotive systems theory, maintenance, diagnosis, and repair procedures. Where possible, students complete “live work” to gain practical experience and to demonstrate proficiency to industry standards.

Motorcycle and Outdoor Power Equipment (CC, CP) *Miller Campus*

This program will 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.

AVIATION**Aerospace/Aviation Technology Maintenance (AAS)** *International Aerospace Aviation Education Center*

Aviation and related technologies in the Aviation Maintenance program prepares students for a career in maintenance and repair of various aircraft and power plants. This program gives students knowledge, and skills needed to pass the Federal Aviation Administration (FAA) 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) *International Aerospace Aviation Education Center*

Students learn the skills to become an aircraft electronics technician, commonly referred to as an avionics technician. 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 DSTA program is designed for training technicians in both installation and service work. Apprentices in the DSTA program have the opportunity to learn techniques required to install new equipment as well as skills and knowledge to repair and troubleshoot existing equipment.

PATHWAYS

Diesel Systems Technician (CP) SALT LAKE
TECH*Westpointe Campus*

This diesel certificate program allows students to be able to be prepared and obtain a job in the diesel industry. This Automobile Service Excellence-Education Foundation (ASE-EF) accredited program offers students technician training encompassing the study and application of heavy-duty systems theory, maintenance, diagnosis, and repair procedures. Where possible, students complete 'live work' to gain practical experience and to demonstrate proficiency to industry standards. This program is also the first year of the Diesel Systems Technology AAS. Students wishing to complete their AAS, must first complete this CP.

Diesel Systems Technology (AAS) *Westpointe Campus*

This AAS in Diesel Systems Technology includes the theory and practice necessary to build a student's technical repair proficiency in all industry recognized subtopics. This Automobile Service Excellence-Education Foundation (ASE-EF) accredited program offers students technician training encompassing the study and application of heavy-duty systems theory, maintenance, diagnosis, and repair procedures. Where possible, students complete 'live work' to gain practical experience and to demonstrate proficiency to industry standards. Students wishing to complete the AAS must complete the first year of the program through the Diesel Systems Technician (CP).

Professional Truck Driving (CA) SALT LAKE
TECH*Westpointe Campus*







This intensive program is designed to prepare students for an entry level truck driving position as a Class "A" CDL driver. The program has 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, and cargo handling.

DEGREE OPTIONS

(AS) Associate of Science (AA) Associate of Arts (APE) Associate of Pre-Engineering (AAS) Associate of Applied Science
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PATHWAYS

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



