# Programs

**JATC**

Learn Today - Lead Tomorrow

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**North**

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**South**

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<table>
<thead>
<tr>
<th>CAMPUS</th>
<th>PROGRAM</th>
<th>Semester/Year</th>
<th>DESCRIPTION</th>
<th>‡Recommended Class</th>
<th>**CE Credit</th>
<th>***Math Science Req.</th>
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</table>
| SOUTH  | Landscape Architecture & Urban Horticulture | Year or A or B Day Year | These are separate programs, but can be taken together providing the student with a broad introduction to Landscape Architecture and Sustainable Urban Agriculture. The Landscape Architecture program explores basic concepts and applications of design and planning used to shape landscapes. The Urban Horticulture program provides knowledge and skills in plant science, greenhouse management, and global agricultural food systems. | Land Arch: Visual Arts, Drafting, or Graphic Design  
Urban Hort: Biology or Biology-Agricultural Science | Up to 6 USU | AAF-S for Urban Hort. |
| NORTH  | Veterinary Science | Year | Learn to assist veterinarians in examining and treating a variety of species. Skills include lab medicine, critical care nursing, dentistry, and anesthesiology. Clinical experiences are part of the course. | Biology + 1 Additional See Program Guide | AAF-S |
| NORTH  | Biotechnology | Year | Learn basic lab techniques. Students will be involved with hands-on experiments using state of the art equipment. Topics include forensics, genetics, bioethics, and more. Second year students complete an internship. | Biology, Chemistry | 3 UVU | AAF-S |
| NORTH  | Dental Assistant | Year | Learn to assist in performing the functions of a dental practice including chairside assisting, patient preparation, office functions and laboratory procedures. Clinical experiences are part of the course. | Medical Anatomy & Physiology, Intro to Health Sciences | 9 UVU | AAF-S |
| SOUTH  | Emergency Medical Technician * | Semester | Learn how to administer life support and earn EMT Basic 1 endorsement in this semester long class for seniors. The EMT Basic 1 certification exam is given at the end of the course. | Anatomy, Must be 18 within 90 days of finishing program | 3 SLCC | AAF-S |
| NORTH  | Medical Assistant * | Year | Learn to assist with medical office procedures including patient examinations, treatment and follow-up, record keeping and laboratory duties. Clinical experiences are part of the course. | Intro to Health Sciences, Medical Anatomy | 3 SLCC | AAF-S |
| NORTH  | Nurse Assistant (CNA) | Semester | Learn to provide basic care for patients in this semester class. Prepare to take the state CNA exam. Clinical experiences are part of the course. | Intro to Health Sciences, Medical Anatomy | 5 SLCC | AAF-S |
| NORTH  | Occupational Therapy | Semester | Learn about the field of occupational therapy and the effects of illness or disability on clients and families. Learn techniques to help improve the quality of life for individuals. Clinical experiences are part of the course. | Intro to Health Sciences, Medical Anatomy, Biology | 8 SLCC | AAF-S |
| NORTH  | Pharmacy Technician * | Year | Learn to prepare prescriptions, dispense medications and maintain patient records and assist pharmacists during patient consultation. Clinical experiences are part of the course. | Chemistry | 3 SLCC | AAF-S |
| NORTH  | Physical Therapy * | Semester | Learn components of physical therapy including anatomy/physiology, recognition, evaluation and treatment of injury, sports nutrition and first aid. Clinical experiences are part of the course. | Intro to health Sciences, Medical Anatomy, Biology | 6 SLCC | AAF-S |
| NORTH  | Computer Programming | Year | Computer programming/software engineering and applications are the focus of this course of study. Students are introduced to the fundamentals of computer programming. Students learn to design, code and test their own programs while applying mathematical concepts. | Computer Programming 1 | 4 SLCC | AAF-M or AAF-S |
| NORTH  | Digital Media | Year | Develop skills in graphics, text animation, audio, video project management and evaluation, script writing and storyboarding. | Any Art or Computer Class | 10 SLCC | AAF-S |
| SOUTH  | Game Design/Web Development | Year | Design and develop websites, and games using HTML, CSS, and JavaScript. Game Development students will be required to develop a game for a competition. | Web Development 1, Digital Media 1 | 7 SLCC | AAF-S |
| SOUTH  | Web Development/Professional Internship | Year | Build a Web site using skills and knowledge of internet technologies, network infrastructure and web authoring. Students will build and maintain websites for clients, and complete an internship with a web development company or client. | Web Development 1 | 7 SLCC | AAF-S |

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**Technology and Engineering**

| NORTH  | Engineering | A or B Day Year | Engineering classes required for Advanced Engineering at JATC can be taken as early as the sophomore year at JATC. | AAF-S |
| NORTH  | Advanced Engineering | Year | Use math, science and technology to learn about the exciting world of engineering. Invent, design, build things, and develop systems for the future. | Technology & Engineering classes | 2 USU | AAF-S |

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*Seniors only*  **CE-Concurrent Enrollment Credit**  ***Awards AAF-M/AAF-S = Applied Advanced Foundation Math/Applied Advanced Foundation Science graduation credit**

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<td>WEST JORDAN</td>
<td>Automotive Collision Repair Technician</td>
<td>Year</td>
<td>Learn to repair, paint and refinish automobiles. Skills include welding, painting, finishing and estimating repair costs.</td>
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<tr>
<td>SOUTH</td>
<td>Barbering</td>
<td>Semester</td>
<td>Barbering prepares students to cut and dress hair, shave and trim facial/neck hair and beards. Students will learn about customer relations, salon management, as well as health and safety. See program guide for licensure requirements and more information.</td>
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<tr>
<td>SOUTH</td>
<td>Criminal Justice</td>
<td>Semester</td>
<td>An inclusive set of courses that exposes students to development and evolution of components of the American Criminal Justice System, including the history of racial, ethnic and gender discrimination on charging, conviction, incarceration and employment. Examines the history, function, and administration of corrections in the criminal justice system. Criminal law and classification of crimes. Insight into the workings of law enforcement agencies ATF, DEA, and FBI.</td>
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<td>12</td>
<td>SLCC</td>
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<tr>
<td>SOUTH</td>
<td>Fire Science</td>
<td>Semester</td>
<td>Learn the skills to become a firefighter including equipment operation, maintenance and fire science. EMT is a recommended class for fire science students.</td>
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<td>EMT</td>
<td>7 UVU</td>
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<tr>
<td>SOUTH</td>
<td>Hair Design</td>
<td>Year</td>
<td>Hair Design prepares students to cut, curl, wave, permanent wave, cleanse, bleach, dye, tint, color and treat the hair. See program guide for licensure requirements and more information.</td>
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<td>WEST JORDAN</td>
<td>Heavy Duty Diesel Mechanic</td>
<td>Year</td>
<td>Learn how to use tools and equipment safely, work on Diesel Engines and systems. Tear down a diesel engine and rebuild it.</td>
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<tr>
<td>SOUTH</td>
<td>Nail Technician</td>
<td>Semester</td>
<td>Prepares students to give manicures and pedicures, understand product chemistry, learn how to apply and remove artificial nails, and design art. See program guide for licensure requirements and more information.</td>
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<td>NORTH</td>
<td>Private Aircraft Pilot</td>
<td>A or B Day Year</td>
<td>Learn the fundamentals of aviation, principles of flight, aircraft operations, weather, navigation, safety, and FAA rules and regulations.</td>
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<td>SOUTH</td>
<td>Welding</td>
<td>Year</td>
<td>Learn welding safety, theory, and skills while applying understanding to practice welds and projects. Gas, Arc, MIG and TIG welding methods will be used.</td>
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<td>SOUTH</td>
<td>Teacher Education</td>
<td>Year</td>
<td>Learn about the field of education. This is a starting point for an education pathway at most Utah colleges. Practicum/externship experiences are part of the course.</td>
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