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2019-2020

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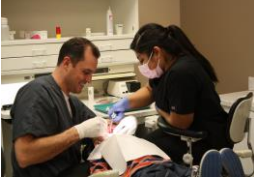

2019-2020

PROGRAM & LOCATION	BRIEF DESCRIPTION	MAY REPEAT	BTECH PREREQUISITE	T1	T2	T3	SU	AVAILABLE HOURS	FEES
Automated Manufacturing Brigham City Campus 	<ul style="list-style-type: none"> • 3D Modeling • Automation Technician Basics • Basic Electrical Theory and Wiring • Basic Workplace Safety • Electrical Motor Controls • Fluid Power Pneumatics • Fluid Power Hydraulics • Introduction to Industrial Robotics • Programmable Logic Controllers 1 	✓	None	X	X	X	X	8-2:30	\$75 for entire year (not prorated)
Automated Manufacturing AM STEM Academy Broadcast to all High Schools, Logan West Campus, Brigham City Campus 	<ul style="list-style-type: none"> • 3D Modeling • Automation Technician Basics • Basic Electrical Theory and Wiring • Basic Workplace Safety • Electrical Motor Controls • Electronics Assembly and Soldering Fluid Power Pneumatics • Electronics Fundamentals DC • Electronics Fundamentals AC • Introduction to Industrial Robotics • Microcontrollers 1 • Microcontrollers 2 • Programmable Logic Controllers 1 	✓	None	X	X	X		7-8 AM	\$75 for entire year (not prorated)




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Business Technology Brigham City Campus 	<p>Want to run your own business or work in a business career? Learn topics of your choice. Each course successfully completed will receive credit in the full-time program if enrolled within one year of graduation. Students select from the following subject(s):</p> <ul style="list-style-type: none"> Accounting I & II Adobe Suite Entrepreneurship Microsoft Application Software Operating System Fundamentals Online Applications QuickBooks Pro (Pre-requisite of Accounting I) Social Media Marketing (Pre-requisite of Online Applications) Web Design <p><i>*High School Articulation – Students completing business courses at the high school with a “B” grade or better may receive credit towards completion of the full-time Business Technology program.</i></p>	✓	None	X	X	X	X	8-2:30	\$0 - \$120 Consumable workbooks
Nursing Assistant (CNA) Brigham City Campus 	<p>Students learn basic nursing assistant skills needed to work in a hospital, nursing home, or home health agency. Students prepare to take the Certified Nursing Assistant state board exam for state certification; the exam is optional and can be taken up to one year after course completion. Students must have a reading level high enough to enable him/her to pass the class and take the state board exam if he/she chooses. Federal/State mandates require that students seeking certification must pass all course exams with 75 percent or higher. A 24-hour externship in a nursing home is a course requirement and 100 hours of training is required to receive certification. Attendance policies are rigidly enforced. Students must provide their own transportation to clinical facilities. Recommended for the Bridgerland Practical Nursing Program and required for most nursing programs</p>		Must be 16 (preference given to seniors)	X	X	X	X	8-10	Approx. \$140-\$260 (includes fees/supplies that are optional)







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Cosmetology Brigham City Campus 	<p>Theory and practical instruction in all phases of cosmetology and barbering including, professionalism, sanitation, finger waves, pin curls, roller sets, thermal styling, braiding, hair cutting, perming, coloring, chemical relaxing, hair removal/waxing, manicuring, pedicuring, acrylic nails, facials, extensions, histology of skin and nails, and barbering. After successful completion of competencies and 1600 hours, students will be prepared to take the Cosmetology/Barbering license state board exam.</p> <p>SUMMER PROGRAM – 8:30 am – 2:30 pm • Monday through Friday</p>	✓	<p>16 years old</p> <p>Students must attend one theory class per day; last theory class starts at 12:00 noon.</p>	X	X	X	X	8-4:30	Materials approx. \$440
Dental Assisting Brigham City Campus 	<p>For students who plan to pursue a career in the dental field. Students learn prefixes, suffixes, and dental definitions. They will also learn the basics of four-handed dentistry as well as to chart teeth, pass instruments, position patients, mount x-rays, take impressions, pour models, mix cements, and assist the dentist. Students will also learn a variety of general office management skills (scheduling appointments, telephone etiquette, filing charts, billing insurance, etc.). Students interested in transitioning into the adult program need to successfully pass a criminal background check.</p> <p>It is now possible for students who come their Junior and Senior year to complete the entire Dental Assisting program while in high school.</p>	✓	None	X	X	X	X	8-2:30	Supplies approx. \$15-\$1000 (not all due at once, purchase supplies at the beginning of new courses)
Drafting Brigham City Campus 	<p>Learn the skills needed to become a drafter. Designers, architects, and engineers all require entry-level and advanced drafters to help produce their drawings. Content areas include:</p> <ul style="list-style-type: none"> • 3D Modeling and Animation Design • 3D Parametric Solid Modeling • Architectural 3D Modeling and Rendering • Architectural Drafting • Basic Computer Aided Drafting • Technical Drafting <p>Sequence of course delivery will be determined in a consultation between the student and/or instructor/department head.</p>	✓	None	X	X	X	X	8-2:30	None





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<p>Information Technology (IT) Brigham City Campus</p> 	<p>Students may choose from the following courses when prerequisites are met:</p> <p>PC Professional/A+</p> <ul style="list-style-type: none"> Learn to install, configure, and troubleshoot hardware and software on a PC. Students will tear- down and rebuild a PC as part of the course. <p>Networking Technology</p> <ul style="list-style-type: none"> Gain the skills to design, configure, manage, and troubleshoot wired and wireless networks. <p>Security Essentials</p> <ul style="list-style-type: none"> Learn how to secure networks from unauthorized activity through implementation of effective security policy, authentication, and encryption. <p>Introduction to Cybersecurity</p> <ul style="list-style-type: none"> Learn how to recognize threats that could harm your computer system or network. Course will teach beginning cyber security terminology and concepts. <p>Linux Essentials</p> <ul style="list-style-type: none"> Learn the basics of the Linux operating system, including command line, file management, and open-source applications <p>Mac Essentials</p> <ul style="list-style-type: none"> Learn how to navigate, control, and get the most out of a Mac computer. <p>IT STEM Academy (See next page for details)</p> <ul style="list-style-type: none"> Join students from 8 local high schools in an extracurricular IT STEM program. Courses and labs are completed from YOUR high school. All successfully completed courses are transferable into the Information Technology program or the Web and Mobile Development program. <p>All successful coursework from any of the IT high school courses listed transfers directly into either the Information Technology program or the Web and Mobile Development program. Students can also obtain industry recognized COMPTIA certifications like A+, Net+, and Security+. Additionally, graduates from the full IT or Web & Mobile development programs receive a certificate and 30 credits towards a USU Associate of Applied Science degree with an additional pathway to a Bachelor of Science degree.</p>	<p>✓</p>	<p>PC Pro is a prerequisite for Networking Tech.</p> <p>Networking Tech is a prerequisite for Security Essentials.</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>8-2:30</p> <p>Must register for a 2-hour block</p>	<p>Approx. \$5-\$35 Fee Per Course</p> <p>(CompTIA industry exam fees are extra)</p>



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  <p>Available at these 8 regional high schools</p> <p>Bear River Box Elder Green Canyon Logan Mountain Crest Rich Ridgeline Sky View</p> <p>In cooperation with</p>  	<p>The IT STEM Academy program provides IT training at your high school culminating in a 900-hour skills certificate and 30 credits toward AAS degree at USU—a \$12,450 value!</p> <p>Students may join the program at multiple entry points during the year. IT STEM courses and labs are funded through a grant at no cost to high school students.</p> <p>Year 1 Course Schedule:</p> <ul style="list-style-type: none"> PC Professional Raspberry Pi I Python Programming OR Web Dev. Essentials Linux Essentials OR Mac Essentials <p>Year 2 Course Schedule:</p> <ul style="list-style-type: none"> Networking Technology Intro. to Cyber Security Required courses not chosen from Year 1 Electives: <ul style="list-style-type: none"> - Security Essentials (Prereq: Network Tech.) - Raspberry Pi II <p>These additional electives are available summers or post high at Bridgerland campuses:</p> <ul style="list-style-type: none"> Advanced Cyber Security CompTIA A+ Cert.* CompTIA Net+ Cert.* (Prereq: Network Tech.) CompTIA Security+ Cert.* (Prereq: Security Essen.) Linux Server (Prereq: Linux Essentials) Ruby Programming Web Databases – SQL** Server-side Scripting – PHP** Client-side Scripting – JavaScript** Responsive Design** <p>* CompTIA certification exams available at discounted price. ** Web Dev. Essentials is a prerequisite for these courses.</p> <p>Students can receive up to 150 hours of certificate credit for CTE/technology classes taken at their high school.</p>	<p>✓</p>	<p>PC Pro is a prerequisite for all courses.</p> <p>See additional prerequisites listed with courses.</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>After School 3 to 4:15 M-TH</p> <p>Summers available at Bridgerland campuses.</p>	<p>Approx. \$5-\$35 Fee Per Course</p> <p>(CompTIA industry exam fees are extra)</p>



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Media Design Brigham City Campus 	<p>Learn tools and techniques to develop creative internet and print materials. Develop an understanding of the current software applications and methods for design. Build a strong foundation in the diverse fields of graphic design, digital video, and multimedia design. Content areas include:</p> <ul style="list-style-type: none"> • Animation • Computer Graphic Design • Computer Illustration • Desktop Publishing • Video Production • Web Design <p>Sequence of course delivery will be determined in a consultation between the student and/or instructor/department head.</p>	✓	None	X	X	X	X	8-2:30	None
Wildland Firefighter Brigham City Campus 	<p>Wildland firefighting can be an exciting memorable summer job making good money and seeing lots of beautiful places around the nation. It can be a career or can lead to other careers like being a firefighter in a city. Wildland fire experience and knowledge is beneficial to those interested in pursuing careers in fire management, wildlife management, field biology, ecology, forestry, or range management.</p> <p>Enjoy the outdoors? Get paid to be in it! Travel the nation exploring very remote areas while maintaining a high level of fitness, adrenaline rush, and protecting people and their property.</p> <p>This course is the basic fire training course required by all firefighters before they can work in fire line. Students will learn how weather, topography, and other factors influence fire behavior.</p> <p>If student is or will be 18 years old within 1 year of finishing this course, they may certify as a Wildland Firefighter. In order to certify, they will have to pass a fitness test. (walk 3 miles in 45 min with a 45 lb. pack on)</p>		Junior and Senior Only		X			8-10 Must register for a 2-hour block	\$10 Fee Approx. \$20 books/supplies

NOTE: Summer sections are from 8 a.m. to 12 p.m. unless otherwise noted. No tuition for Utah residents.