



PROGRAM & LOCATION	BRIEF DESCRIPTION	MAY REPEAT	BATC PREREQ.	T 1	T 2	T 3	S	E-LEARNING	HOURS	FEES
<b>American Sign Language (ASL)</b> Logan Main Campus 	<p><b>ASL I</b>  <b>First &amp; Third Trimesters ONLY</b>  <b>First Semester ONLY</b></p> <p>Introduces students to American Sign Language and teaches the basic structure, vocabulary, and grammatical rules of the language. Students will learn about Deaf culture and will become proficient in fingerspelling, facial expressions, and basic conversational/cultural skills required to converse with Deaf individuals.</p>		None		X		X	Valid, appropriate e-mail address required.	8-10	None
<b>Animal Sciences</b> Logan West Campus 	<p><b>Veterinarian Assistant/Pre-Vet Tech</b> – Learn animal nursing, emergency care, veterinary terminology and anatomy. Introduces skills needed to keep animals healthy and to nurse them when they are ill, including, obtaining animal health histories and records, providing specialized nursing care under the direction of a veterinarian, assisting in surgical procedures, washing, feeding, and caring for animals, understanding animal communication, behavior, and training.</p> <p>Veterinary assisting is a rewarding career in a growing field. <b>Students interested in transitioning into the adult program need to successfully pass a criminal background check.</b></p>	✓	<b>Juniors and Seniors only</b>		X	X	X	None	12:30-2:30	\$67 – \$133 Dissection kit, stethoscope, scrubs, etc.



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<b>Auto Collision</b> Logan Main Campus 	This fun program provides an opportunity to repair and paint modern vehicles. Instruction and hands-on experience provide experience on panels and fenders - personal vehicles are rarely allowed. Safety, environmental protection, fundamentals of collision repair, vehicle identification, estimating systems and terminology, frontal impact analysis, mechanical systems analyses, restraints, interior, glass, side/rear impact analysis, hazardous materials, personal safety, refinish safety, and corrosion protection are covered.	✓	None	X	X	X	X	None	8-2:30	\$25 Safety glasses, long sleeve coveralls, workbooks
<b>Automotive Service</b> Logan Main Campus 	Starts with an overview of automobile equipment and its operating systems. Emphasis will be placed on safety in the auto shop, common hand tools and equipment, and the operation of various systems. Students have the opportunity to complete minor repairs and preventative maintenance procedures on their personal vehicles. As student's progress through the curriculum, they will have an opportunity to learn ASE areas of electrical systems, engine performance, manual drive trains, automatic transmissions, steering and suspension systems, brakes, and other ASE certified areas. This course is individualized and includes extensive hands-on experiences.	✓	None	X	X	X	X	Valid, appropriate e-mail address required.	8-2:30	Approx. \$30 books/safety equipment



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<b>Automated Manufacturing &amp; Robotics</b> Logan West Campus 	<b>Microcontrollers and Intro to Robotics</b> (First Trimester/Semester) First half, study microcontroller architecture, programming, and interfacing. Emphasis placed on experiments using Arduino Microcontrollers, circuit build, program execution and interfacing. Students put together a series of projects that they design, build, program and test for the instructor's approval. Second half learn basic sensing and locomotion principles as you build and control a robotic arm that will be used for selected activities from manual robot control to computer program mode. Finishes with programming industrial grade robots used in automated manufacturing	✓	None		X		X	Valid, appropriate e-mail address required.	8-2:30	\$50 Lab Fee
	<b>3D Modeling for Automation and Composites</b> (Second Trimester) First half introduces SolidWorks software as a 3-D design tool. Learn creation, retrieval and modification of 3-D and layout drawings. Get SolidWorks certified. Ends with creation of a 3-D printed part. Second half learn basic terms and skills associated with automation, manufacturing, materials, and processes. Hands on lab topics include maintenance math, using precision measurement tools and meters, making and torqueing fasteners, using hand tools, using power tools, print reading of construction and mechanical drawings, making molded parts, materials and processes.	✓	None		X		X	Valid, appropriate e-mail address required.	8-2:30	\$50 Lab Fee
	<b>Fluid Power</b> (Third Trimester/Second Semester) Experience real world hands-on fluid power principles and circuitry used in automation and robotics. Topics include force, energy transmission, symbols, and schematics. Construct fluid power circuits with industry components provided in lab. Learn pneumatic system operation and symbols including gauges, directional control valves, cylinders, motors, compressors, filters, regulators and lubricators. Learn how to install, troubleshoot, and repair pneumatic systems. Some exciting life-saving workplace safety topics will be covered.	✓	None			X	X	Valid, appropriate e-mail address required.	8-2:30	\$50 Lab Fee



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<b>AM STEM</b>  	<p><b>Drones and Basic Electrical (First Trimester/Semester)</b> First half learn cutting edge drone technology, function, assembly, programming, applications, and how to fly them properly. Do's and Don'ts of drones with hands-on training including examples of real-world applications like video, imaging, and mapping. Learn FPV (first person video) with drones, ground control, connections, programming flight patterns, future of drones, and employment opportunities. Simulators and drones will be provided in class. Second half explore basic electrical topics including electrical fundamentals, circuits, systems and protection, alternating current, motors, generators, transformers, grounding and bonding. Learn to bend and install conduit, size and install junction boxes, panels, and conductors for motor control circuits. Wire up several circuits in labs consisting of common household circuits and test with voltage applied.</p>	✓	None		X		X	Valid, appropriate e-mail address required.	7-8 AM	None
	<p><b>Electrical Motor Controls (Second Trimester)</b> Use wiring diagrams and schematics to wire basic circuits including control circuits, power circuits, over current protection devices, DC motor controls, and AC motor frequency drive controls. Identify the working characteristics of basic electrical motor control devices such as: push buttons, selector switches, over current devices, control relays, overload devices, contactors, and overload blocks. Install, operate and troubleshoot basic electrical motor control systems. Wire basic control circuits such as power, reversing, interlocking, plugging, inching, timing, automatic starting and speed control circuits from schematics.</p>	✓	None		X		X	Valid, appropriate e-mail address required.	7-8 AM	None



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	<b>Programmable Logic Controllers (Third Trimester/Second Semester)</b> Learn to program the brains of all automation. Explore ladder logic and programming techniques of (PLCs) Programmable Logic Controllers with hands-on experience. PLC hands-on trainers will be provided. Discover the basic hardware of various PLC systems that will be used for wiring and programming. The student will be expected to program and commission several PLC systems. PLC knowledge will set you apart from all other technicians and engineers in automation and robotics.	✓	None			X	X	Valid, appropriate e-mail address required.	7-8 AM	None
<b>Building Technology</b> Logan Main Campus 	<b>Basic Carpentry</b> – Learn how to construct an actual home. All the classroom and lab experiences are directed by instructors who are experienced in general contracting and in education. The course objective is to prepare students for entry-level employment in the building trades industry.	✓	None	X	X	X	X	None	8-2:30	\$40 refundable tool rental



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<b>Business Technology</b> Logan Main 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"> <li>• Accounting I &amp; II</li> <li>• Business Math</li> <li>• Microsoft Application Software</li> <li>• QuickBooks Pro (Pre-requisite of Accounting I)</li> <li>• Entrepreneurship and Small Business Management</li> <li>• Operating System Fundamentals</li> </ul> <p><b>*High School Articulation</b> – 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.</p>	✓	None	X	X	X	X	None	8-2:30	\$0 - \$120 Consumable workbooks depending on subject area
<b>Cabinetmaking</b> Logan Main Campus 	<p><b>Beginning Cabinetmaking and Millwork</b> – Covers fundamentals of the cabinetmaking and millwork trade. <b>No previous experience or prerequisite classes from home high school are required.</b> Learn about wood technology, safety and machine tool use, cabinet design and layout, cabinet construction, and finish applications. <b>Students will design and build a cabinet project of their choosing.</b> The result will be a well-built, successful project to take home. This class will prepare students for the Advanced Cabinetmaking and Millwork course.</p>	✓	None	X	X	X	X	Valid, appropriate e-mail address required.	8-2:30	Personal project materials  Students will receive estimated costs before starting project



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 <b>Advanced Cabinetmaking and Millwork</b> – Focuses on further development of skills from beginning course. Project work will be accelerated and introduces students to advanced cabinetry techniques such as raised panel construction, angle cabinetry, plastic laminates, millwork techniques, and kitchen designs. Prepares students for entry-level employment in a cabinet shop setting. Hours from this class can be credited towards the BATC Adult Cabinetmaking and Millwork program (Post-secondary).	<b>Advanced Cabinetmaking and Millwork</b> – Focuses on further development of skills from beginning course. Project work will be accelerated and introduces students to advanced cabinetry techniques such as raised panel construction, angle cabinetry, plastic laminates, millwork techniques, and kitchen designs. Prepares students for entry-level employment in a cabinet shop setting. Hours from this class can be credited towards the BATC Adult Cabinetmaking and Millwork program (Post-secondary).	✓	BATC Beginning Cabinetmaking		X	X	X	Valid, appropriate e-mail address required.	8-2:30	Project materials  Students will receive estimated costs before starting project
<b>Computer Tech</b> Logan Main Campus 	<b>Computer Technology</b> – Introduces students to computer application software, including document processing, spreadsheets, and presentations. It also includes an understanding of ethics and use of operating systems, information resources, and e-mail. Skills gained will be demonstrated by creating a project for a different content area. <i>This course covers all of USOE's standards and objectives. Successful completion of this course with a "B" or better will also meet the Computer Literacy requirement for the BATC certificates.</i>		None	X	X	X	X	None	8-2:30	None
<b>Culinary Arts</b> Logan Main Campus 	Prepares students to work in one of the largest employers in the nation. Introduction to the food industry is provided giving lessons in basic food preparation, safety, sanitation, knife skills, equipment, salad bar preparation, catering, table setting, clean up, and vital waiter/waitressing skills. <b>Hair net required.</b> <b>SUMMER PROGRAM</b> – 8 am – 1 pm • Monday through Friday	✓	None	X	X	X	X	Valid, appropriate e-mail address required.	8-2:30 <b>Must register for a 2-hour block</b>	Approx. \$80 tools



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<b>Dental</b> Logan Main Campus 	<b>Introduction to Dental Assisting</b> – Required prior to taking the Dental Assisting program. Provides students with a brief introduction to a variety of dental assisting skills. Students learn moisture control, instrument transfer, charting, oral anatomy, and tooth numbering.	✓	None	X	X	X	X	Valid, appropriate e-mail address required.	8-2:30	Dental packet and kit approx. \$22
	<b>Dental Terminology</b> – Provides framework for Dental Assisting Program. Students learn prefixes, suffixes, and dental definitions.	✓	Intro to Dental Assisting	X	X	X	X		8-2:30	Approx. \$73
	<b>Dental Assisting</b> – For students who plan to pursue a career in the dental field. 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.). <b>Students interested in transitioning into the adult program need to successfully pass a criminal background check.</b>	✓	Intro to Dental Assisting and Dental Terminology	X	X	X	X		8-2:30	Books and supplies approx. \$1000
<b>Diesel</b> Logan Main Campus 	A series of courses starting with an overview of heavy duty equipment and their operating systems. Emphasis is placed on safety, common hand tools, equipment, and operation of systems. Learn diagnosis, maintenance, and repair on over-the-road trucks, construction equipment, and agriculture equipment; and choose optional 4-wheel drive repair, including repair of transmissions, transfer cases, front/rear differentials, engine overhaul, tune-up, and performance testing.	✓	None	X	X	X	X	None	8-2:30	Approx. \$28 for safety glasses and coveralls



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<b>Drafting</b> Logan Main 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"> <li>• 3D Modeling and Animation Design</li> <li>• 3D Parametric Solid Modeling</li> <li>• Architectural 3D Modeling and Rendering</li> <li>• Architectural Drafting</li> <li>• Basic Computer Aided Drafting</li> <li>• Technical Drafting</li> </ul> <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	None	8-2:30	None
<b>Electronics</b> Logan West Campus 	<p><b>Basic Electrical Theory and Soldering (First Trimester/Semester)</b></p> <p>Explore basic electrical topics including electrical fundamentals, circuits, systems and protection, alternating current, motors, generators, transformers, grounding and bonding. Learn to bend and install conduit, size and install junction boxes, panels, and conductors for motor control circuits. Wire up several circuits in labs consisting of common household circuits and test with voltage applied. Develop the ability to solder and desolder connectors, components, and printed circuit boards using industry standards. Topics include: component identification, safety practices, soldering, desoldering, anti-static grounding, and surface mount techniques.</p>	✓	None	X			X	Valid, appropriate e-mail address required.	8-2:30	\$50 Lab Fee



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	<b>Basic Electronics DC (Second Trimester)</b> This course is an introduction to the DC concepts and fundamentals of electronics devices, systems, and circuits. Topics include direct current electricity, Ohm's Law, Series and Parallel circuits, network theorems, resistance, capacitance, and inductance. Hands-on labs will be constructed and tested throughout the course using prototype boards, common electronic components, meters, power supplies, and other measuring equipment.	✓	None		X		X		8-2:30	\$50 Lab Fee
	<b>Digital Fundamentals (Third Trimester/Second Semester)</b> Learn the basic theory of digital circuits and programmable logic devices (PLDs). Binary, octal, and hexadecimal number systems, truth tables, logic gates, flip-flops, counter, shift registers, interfacing techniques, sequential logic circuits, combinational logic circuits, memory systems, digital busses, A/D and D/A conversions will be covered. Understand the difference between analog and digital electronics circuits. Interface to real-world inputs and outputs.	✓	None			X	X		8-2:30	\$50 Lab Fee
<b>Fashion Merchandising</b> Logan Main Campus 	<b>Fashion Merchandising A</b> – Hands-on experiences introduce image consulting, brands and images, cosmetic and fragrance industry, accessories, and fashion show production. Develop the skills needed to work in the retail industry assisting clients in making better clothing and accessory choices. Students will participate in planning and producing a live fashion show.		None	X				Valid, appropriate e-mail address required.	8-2:30	\$15-\$25 consumable supply packet
	<b>Fashion Merchandising B</b> – Study the top fashion designers and what inspires their collections and then try your hand at it as you experience the design process. (Sketching skills are not required.) Students learn about trend forecasting, the apparel industry, fashion history, and textiles, as well as retailers. Offered during the summer also.		None		X		X		8-2:30	\$15-\$25 consumable supply packet



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	<b>Fashion Merchandising C</b> – Discover the countless fashion career opportunities and learn many of the necessary skills to obtain them, including, selling techniques, visual display and merchandising, promotion, and interview skills. Students will create their own store layouts and visual displays, as well as participate in planning and producing a full-scale fashion show.		None			X			8-2:30	\$15-\$25 consumable supply packet
<b>Financial Literacy</b> Logan Main Campus	<b>Financial Literacy</b> – Do you know where your last paycheck went? Have you asked yourself how your money can work for you? Then this course is the perfect training for you. Financial Literacy is designed to teach the basics of personal finance including the following topics: income, money management, spending and credit, saving and investing, consumer protection, and risk management. <i>This course meets the Utah State Office of Education graduation requirement.</i>		None	X	X	X	X	None	8-2:30	None



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<b>Health Sciences</b> Logan Main Campus   	<p>Are you interested in health and wellness? Are you able to remain calm in a crisis? Do you have an interest in working with people who are injured or sick, promoting wellness, and sharing knowledge with others? Whether you enjoy managing health care information or working directly with people, there are a wide variety of health care career opportunities to explore within the largest employment industry in the United States. Health Science careers combine medical information, current technology, and the human touch to administer necessary care around the clock, responding to the needs of millions of people—from newborns to the injured or critically ill.</p> <p><b>Once enrolled, each student will have an opportunity to meet with the Health Sciences faculty to match his/her career goal with the available Health Sciences courses offerings. Some prerequisites and/or age restrictions may apply. Current and specific details including costs for each course will be provided to students for parental consent during orientation. Current courses include Medical Terminology, Drug Dosages and Calculations, Introduction to Medical Assisting, Nursing Assistant Training (CNA), and Introduction to Pharmacy Technician.</b></p> <p>Some courses may take multiple trimesters/semesters to complete, may have State attendance/competency regulations, and/or may require fees for State testing. Courses that lead to certification/licensure have mandatory attendance requirements. <b>School and/or medical excused absences are NOT allowed and will still be reported as missed time to regulatory agencies and may prohibit certification/licensure.</b> Students involved in extracurricular activities involving multiple school absences may not want consider enrolment in these types of regulated courses (e.g., CNA, Pharmacy Technician, etc.).</p>	✓	<p><b>Some age requirements and/or prerequisites may exist.</b></p> <p>Current and specific details for each course will be provided to students for parental consent during orientation.</p> <p>Students transitioning to BATC Health Science adult certificate programs need to be able to successfully pass a criminal background check.</p>		X	X	X	X	Valid, appropriate e-mail address required.	8-2:30	\$15-\$544 includes optional fees  Consumable textbook, supplies, student notes, and State testing fees may be required for purchase



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<b>Information Technology (IT)</b> Logan West Campus 	<p>Students can choose from the certificate program curriculum (available at <a href="http://www.batc.edu/programs">www.batc.edu/programs</a>). Sequences of course delivery will be determined in a consultation between the student and instructor/department head. The growing field of IT includes areas such as network and system administration, computer hardware, software and security. Areas of concentration include:</p> <ul style="list-style-type: none"> <li>• CompTIA A+ certification covering computer hardware and basic operating system troubleshooting and repair.</li> <li>• CompTIA Network+ certification focusing on network development, implementation and management.</li> <li>• Operating systems of all types, including Mac OS X and Linux, for managing hybrid environments.</li> <li>• Server administration including setup and management of enterprise-level servers.</li> <li>• Security specialization for analyzing and securing systems.</li> </ul>	✓	None		X	X	X	X	Valid, appropriate e-mail address required.	8-2:30	Varied on student selection. \$30 lab fees plus consumable student supplies.
<b>Interior Design</b> Logan Main Campus 	<p>Students begin by studying the basics of design rules including layout and color. Students will apply concepts by redesigning an interior plan for their bedroom utilizing space function, color theory, accessories, and a budget. Students may choose to create original artwork for the redesigned space and/or re-finish one piece of painted or stained furniture (<i>student must provide furniture piece and parent/guardian approval</i>). Actual implementation of the design plan is not required. Summer course available.</p>	✓	None		X	X	X	X	None	8-2:30	\$15-20 supplies



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<b>Intro to Heavy Equipment Operations</b> Logan West Campus	<p>This course is designed to provide an introduction to the heavy equipment industry and basic heavy equipment operation. Students will be instructed by trained operators that have been employed in the heavy equipment operations industry. Each student will receive hands on experience with the available equipment. The course modules include</p> <ul style="list-style-type: none"> <li>• OSHA 10 Hour Construction Safety Certification</li> <li>• Orientation to the Trade</li> <li>• Heavy equipment safety</li> <li>• Identification of Heavy equipment</li> <li>• Basic Operator Techniques</li> <li>• Introduction to Earth Moving</li> <li>• Determine and establish grades</li> <li>• Excavation Math</li> <li>• Operate loaders</li> <li>• Operate backhoes</li> <li>• Operate excavators</li> <li>• Operate skid steers</li> </ul>	✓	Valid Driver's License		X	X	X	Valid, appropriate e-mail address required.	8-10 and 12:30-2:30	\$25 Fee
<b>Machining Technology</b> Logan Main Campus 	<p>Do you like to create things using both your mind and your hands? Use hi-tech equipment such as lathes, mills, and CNC (computer numerical control) equipment to turn and mill surfaces to precise measurements. Advanced students will develop drawings using Computer Aided Drafting (CAD) systems and then build the parts using the CNC equipment.</p>	✓	None	X	X	X	X	Valid, appropriate e-mail address required.	8-2:30	\$10-20 supplies & workbooks  Advanced Curriculum (after first tri): \$75-128



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<b>Meat Services</b> Logan Main Campus 	Learn the basic skills for a prosperous and satisfying career in the meat production industry. Students learn harvesting of beef, pork, and lamb; wholesale, retail, and custom meat cutting practices; knife care; purchasing; inspection; merchandising; advertising; and public relations. This hands-on experience enables students to work in an entry-level meat business with excellent job opportunities and high earning potential. This program is equipped with state-of-the-art equipment and provides an amazing environment for meat cutting training.	✓	None	X	X	X	X	None	8-2:30	Knives Can rent or buy \$20 - \$90
<b>Media Design</b> Logan Main Campus 	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: <ul style="list-style-type: none"> <li>• 3D Modeling and Animation</li> <li>• Computer Graphic Design</li> <li>• Computer Illustration</li> <li>• Desktop Publishing</li> <li>• Digital Video Editing/Video Production</li> <li>• Multimedia</li> </ul> Sequence of course delivery will be determined in a consultation between the student and/or instructor/department head.	✓	None	X	X	X	X	None	8-2:30	None
<b>Real Estate</b> Logan Main Campus 	New Real Estate-Home ownership epitomizes the "American Dream" and buying a home is the biggest investment most people make in their lifetime. Students enrolled in this course will be introduced to understanding the sales/marketing process, investing in real estate, and the many steps in buying and selling a home. Focus of the course will also include financing sources, customer relations, the use of advertising and the media, and careers in real estate.		None	X	X	X	X	None	8-10	\$15 consumable packet



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<b>Web &amp; Mobile Development</b> Logan West Campus 	<p>Students can choose from the certificate program curriculum (available at <a href="http://www.batc.edu/programs">www.batc.edu/programs</a>). Sequences of course delivery will be determined in a consultation between the student and instructor/department head. The exciting field of Web Development includes such areas as website design and management, application programming, mobile application development. Areas of concentration include:</p> <ul style="list-style-type: none"> <li>• Web design and development covers HTML5, CSS, JQuery, PHP and MySQL.</li> <li>• Graphic design with Adobe Photoshop.</li> <li>• Programming of applications with Java</li> <li>• Mobile app development for iOS and Android platforms.</li> </ul>	✓	None	X	X	X	X	Valid, appropriate e-mail address required.	8-2:30	None
<b>Welding</b> Logan Main Campus 	<p>Offers basic welding training in seven welding processes. The class will teach entry-level skills for production and industrial employment. Blueprint reading, welding inspection, basic metallurgy, layout, and fabrication skills are taught with hands-on welding. Basic courses are offered every trimester. Students who enroll for consecutive trimesters will work towards a BATC welding certificate including robotics and welder qualifications. Students will be eligible to receive a Bridgerland Welding completion certificate when all requirements are met.</p>	✓	None	X	X	X	X	None	8-2:30	Supplies and workbooks approx. \$30-\$60

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