

Plan for College Career Readiness

Cache High School



Course Guidebook

Course Description & Registration Information
Booklet

Table of Contents

Legal Statements

General Registration Information

CH Graduation Path 2016+

Utah High School To College and career PATHWAYS

Cache High School CTE Pathways

Artistic Centered

Business Centered

Scientific Centered

Social/Humanitarian Centered

Technical Centered

Planning High School Coursework to support Post-High School Plan

Technical School Preparation

College-bound Preparation

NCAA Requirements

Advanced Placement Classes

Concurrent Enrollment/EDNET option

Associate Degrees/Scholarships

Regents' Scholarship Checklist

College Entrance Exam Preparation

Credit Recovery and Acceleration Options

ELECTIVES

FINANCE

FINEARTS

HEALTHY LIFESTYLES

LANGUAGE ARTS

FOREIGN LANGUAGE

MATHEMATICS

RELEASE TIME

SCIENCE

SOCIAL STUDIES

TECHNICAL

Business

Drafting

Family Consumer Science

Health Science/Medical

Art

Agricultural Science

Other Technical

WORK BASED LEARNING

OFF-CAMPUS VOCATIONAL

BATC

INDEX OF COURSE OFFERINGS

COURSE OFFERING WORKSHEET

Legal Statements

Equal Education and Employment Opportunity

It is the policy of the Cache County School District to provide equal education and employment opportunity for all individuals. Therefore, the District prohibits all discrimination on the basis of race, color, religion, sex, age, national origin, disability or veteran status. This policy extends to all aspects of the district's educational programs, as well as the use of all District facilities, and participation in all District-sponsored activities.

Civil Rights/Section 504 Grievance Procedure Local Procedure

Step 1: A written grievance signed by the complainant shall be submitted to the appropriate Coordinator. The coordinator shall further investigate the matter of grievance and reply in writing to the complainant within 10 business days.

Step 2: If the complainant wishes to appeal the decision of the Coordinator, she/he may submit a signed statement of appeal to the Superintendent of Schools within 10 business days after receipt of the Coordinator response. The Superintendent shall meet with all parties involved, formulate a conclusion, and respond in writing to the complainant within 10 business days.

Step 3: If the complainant is not satisfied, she/he may appeal through a signed statement to the Cache County School Board of Education within 10 business days of her/his receipt of the Superintendent's response in step 2. In an attempt to resolve the grievance, the board will meet with the concerned parties and their representative within 40 days of such an appeal. A copy of the Board's disposition of the appeal shall be sent to each part within 10 business days of this meeting.

Public Education on line (PEO)

New legislation this year affords eligible students in ninth through twelfth with the option to take high school credits through online education as part of their regular schedule. Online courses combined with regular classes may not exceed the number of courses taken during a regular school day. These courses are at no cost to the student and are funded by withholding state funding from your school district. Courses may charge class fees that are the responsibility of the student. Fee waivers are available to eligible students. Parents assume the responsibility for students during the release time from the school day. To begin this process a Course Credit Acknowledgement (CCA) form must be prepared by your counselor and submitted to the Utah State Office of Education. This form, courses and a description of application process can be found at the link below.

State of Utah www.schools.utah.gov.edonline

FAQs can be found at the Cache County School website. www.ccsdut.org/edonline

GENERAL REGISTRATION INFORMATION AND THE STUDENT EDUCATION OCCUPATIONAL PLAN FOR COLLEGE AND CAREER READINESS

Current Utah State laws require all secondary students to have a Student Educational Occupational Plan for College and Career Readiness (SEOP/CCR). The SEOP is jointly developed by the student, a parent, and an educator. Registration for classes should be guided by the SEOP/CCR; in other words, a student registers for classes that will assist the student in achieving the goals identified in the SEOP/CCR. State laws and district policies establish graduation standards, and the SEOP/CCR should include those classes required by law/policy. Still, there are many opportunities for students to register for elective courses that lead toward the educational/occupational goals stated in the SEOP/CCR. Students are responsible to register for appropriate grade level courses and check for prerequisites and graduation requirements. Students planning on post-high school training should also check education requirements for entrance into colleges, vocational training centers, and apprenticeships. The Cache High staff will be available to help students through the registration process.

Please follow these instructions for a successful registration:

1. Review graduation requirements on the appropriate Graduation Paths page that follows, compare your individual SEOP/CCR, and examine your course progress, assuring that required classes are taken.
2. Choose elective classes in support of your SEOP/CCR. In so doing, students planning post high school education must meet the additional requirements for admission. The elective courses should be used to meet those additional requirements.
3. Study the course description booklet and select appropriate classes. Enter the courses you select on the 4-Year Educational Plan given to you with the registration booklet.

Cache High Graduation Paths For 2015 + Graduates

Requirement	Breakdown	Applied or Advanced
Language Arts (4 credits)	English 9 1.0 credit English 10 Writing .50 credit English 10 Literature .50 credit English 11 Writing .50 credit English 11 Literature .50 credit And Additional applied or advanced courses 1.0 credit	Journalism, English, Newspaper, Creative Writing, College Prep
Social Studies (2.5 credits)	Geography 9 .50 credit Ancient, Modern or AP European History .50 credit US Studies or AP American History 1.0 credit American Government or AP US Government & Politics .50 credit	Geography 9 World Geography US Government US Studies
Math (3 credits)	Secondary Math 1 1.0 credit Secondary Math 2 1.0 credit Secondary Math 3 1.0 credit OR Courses from state approved list with parent signature	Accounting Math 1E Math 2E Math Decision Making for Life
Science (3 credits)	One each from two of the four science areas: Earth Systems 1.0 credit Biology, Ag Biology 1.0 credit Chemistry 1.0 credit Physics 1.0 credit Additional applied, foundation or advanced science 1.0 credit	Ag Biology, Animal Science, Earth Systems, Plant and Soil, Plant Science
Healthy Life Styles (2 credits)	Health Education .50 credit Core 9, 10, or 11 PE 1.0 credit Other PE classes .50 credit	
Fine Arts (1.5 credits)	Any Fine Arts class 1.5 credit	
Technical (1.5 credits)	Computer Technology .50 credit And Any Technical class 1.0 credit	Web Design Business Law Entrepreneurship BATC
Finance (.5 credit)	Financial Literacy or Adult Roles/Financial Literacy .50 credit	
Elective (7.0 credits)	Other classes in support of SEOP/CCR	BATC

CREDITS FROM REQUIRED CLASSES: 18 * CREDITS FROM ELECTIVES: 7.0 * CREDITS REQUIRED FOR GRADUATION: 5

Cache High CTE Pathways

Revised 5-12-2015

What are CTE Pathways?

CTE Pathways, within eight Areas of Study, are rigorous programs of student to assure strong academic and technical preparation providing students with critical learning and hands-on skills. Students who focus on a Pathway acquire the skills necessary for entry into well-paid careers with high potential for paid financial growth, increased levels of responsibility, and a high degree of personal satisfaction.

Why Complete a CTE Pathway?

- Earn a completer certificate that looks great on resumes and application
- Jump-start to your career

Entrepreneurship

Computer Technology I:

Computer literacy is a foundational element of success in today's technology driven world. This course is intended for students to learn concepts associated with key application software, basic computing fundamentals, and ethics and appropriate behavior while using technology as a tool in the classroom and in life. This course is aligned with national and international standards and the Utah Core to prepare students across multiple levels of skills.

Accounting I:

Students will develop skills beginning with an understanding of the basic elements and concepts of double-entry accounting systems related to service businesses organized as a sole proprietorship. Skills include understanding of the accounting equation, analyzing business transactions, entering transactions in journals, posting to ledgers, compiling end-of-period financial statements, preparing closing entries and managing cash.

Agriculture Leadership A/B:

The Agriculture Leadership course follows the standards and objectives for the 08.0211 Marketing Education – Leadership Principles course. This course is also recommended for other students who are elected student body or class officers, organization or club president/officers, or are considering running for one of these offices. This class teaches how to be an “effective” leader. Concepts of goal setting, motivation, team building, time management, conflict resolution, dealing with stress, and much more are discussed.

Business Mathematics and Personal Finance:

This course is designed to represent the standards of learning that are essential and necessary for all students. The implementation of the ideas, concepts, knowledge and skills will create the ability to solve mathematical problems, analyze and interpret data and apply sound decision-making skills. This will enable students to implement the decision-making skills they must apply and use these skills in a hands-on manner to become wise and knowledgeable consumers, savers, investors, users of credit, money managers, citizens, employees, employers, inventors, entrepreneurs, and members of a global workforce and society.

Business Law:

Students will gain an understanding of the law as it relates to them currently and the implications of the law in their future lives as well, as the lives of their family and friends. They will also work to gain an understanding of basic legal vocabulary.

The course will include an understanding of the court system at the local, state, and national levels. Students will gain an understanding of contract law, their rights and responsibilities as citizens, utilization of financial transactions, employment and agency relationships, and the regulations governing different types of business organizations. As a culminating project, students will participate in one or more mock trials.

Business Web Page Design:

This semester course provides students with a major emphasis on the principles and design of a website as well as advanced Internet skills. HTML, Web publishing and graphic editing software will be used to design, create, format and edit web pages.

Desktop Publishing I:

This one-semester course provides skill development in the electronic procedures of producing and editing publications. Students will create, format, illustrate, design, edit/revise and print publications. Improved productivity of electronically produced newsletters, flyers, brochures, reports, advertising materials, and other publications is emphasized. Proofreading, document composition, and communication competencies are also included.

Economics:

This course focuses on the study of economic problems and the methods by which societies solve them. Characteristics of the market economy of the United States and its function in the World and methods of applying economics to one's life will be explored.

Note: This course is a Core elective, which may be offered for either 0.5 or 1.0 unit of social studies or applied technology education (CTE) credit. Persons who teach this course would be required to have a social studies, business, or marketing composite endorsement, with a minimum of six semester hours in economics. The credentials of the instructor do not determine the credit options for students. Students may decide to take this class for social studies or business/marketing credit (but not all). However, to generate CTE add-on dollars, a social studies teacher must also have an approved CTW Endorsement.

Entrepreneurship:

Students will gain an understanding of the marketing and management principles necessary to start and operate their own business. They will develop an awareness of the opportunities for the small business ownership and develop the planning skills needed to open a small business. Students will become aware of the traits and characteristics of successful entrepreneurs. Students will gain an awareness of knowledge needed in research, planning and regulations affecting the small business and the means of financing a small business. They will understand the specific strategies of business management and marketing and the economic role of the entrepreneur in the market system. Entrepreneurship is designed for students enrolled in business and marketing education, and/or other courses who have an interest in developing the skills, attitudes and knowledge necessary for successful entrepreneurs.

Plant and Soil

Agriculture Biology A/B:

The Biology/Agriculture Science and Technology course is the Biology curriculum with emphasis on Agriculture concepts. This is a two trimester course which fulfills the biological science requirement for graduation. This also gives an opportunity to those interested in agriculture and natural resource management to pursue career development in these areas.

Animal Science A/B:

Students will develop knowledge and skills in a wide range of animal agriculture principles, including anatomy and physiology, health maintenance, waste disposal, and facilities. The efficient production and effective production and effective management of selected animal enterprises are covered, including beef and dairy cattle, swine, sheep and goats, poultry and equine. Practices in veterinary medicine and those associated with small animal care are included. This is college preparatory class to all fields of animal agriculture.

Plant & Soil Science A/B:

This class is designed for students interested in growing plants and working in the greenhouse. Floriculture plants and plant propagation will be studied through the use of basic greenhouse operation techniques. In addition, some specialty crops will be grown such as poinsettias, Easter lilies and garden starts.

Natural Resource Science A/B:

Students will develop knowledge and skills related to production management and conservation of natural resources. Major units will include ecology, range resources, waste management, and land use field and laboratory experiences will be emphasized.

Cache High Offerings

FINANCE .50 Credit

Financial Literacy:

(Part of Social Studies)

This course will help students prepare for the choices and challenges of money management in adulthood. Students will gain an understanding of personal finance principals as they relate to career choice, income, money management, spending, credit, saving and investing.

LANGUAGE ARTS 4.0 Credits

Students graduating in 2014+ must earn 4 English credits. Students should adopt the following program:

Grade	Credit	Course
9	1.0	English (required)
10	.5	English 10 Writing (required)
10	.5	English 10 Literature (required)
11	.5	English 11 Writing (required)
11	.5	English 11 Literature (required)
12	.5	Writing (English 12, Creative Writing)
12	.5	Applied or Advanced Elective Course

REQUIRED ENGLISH 10 COURSES

English 10 Writing:

This course will introduce students to writing strategies necessary for academic success. Students will engage in the process of writing through critical reading and writing activities, pre- and post-writing exercises, drafting, revising and proofreading. The course will focus on identifying audience and purpose in writing through a variety of writing assignments.

English 10 Literature:

This course will introduce students to literature from a diverse group of authors from around the world. The course is designed to give students a chance to see and respond to the unifying universal themes found in literature.

REQUIRED ENGLISH 11 COURSES

English 11 Writing:

This course builds on prior strategies that have been developed. Students will engage in the process of writing through critical reading and writing activities, pre- and post-writing exercises, drafting, revising and proofreading. Students will identify audience and purpose in writing through a variety of writing assignments.

English 11 Literature:

In this class students will read, write, think and learn about important themes of journey and self-discovery through the study of novels and non-fiction.

ELECTIVE ENGLISH COURSES

Creative Writing:

This class directs students who want additional instruction in a variety of writing styles and processes. Students will write with expression, purpose, and to specific audiences.

College Prep:

This class will provide college bound students with necessary strategies required to be successful at the college level. Note-taking, time management, test-taking skills, stress strategies, critical thinking, processing information from textbooks, ACT preparation and review, and finding and applying for financial aid, are some of the areas that are covered in this class.

Journalism:

This class introduces students to the elements of reporting, copywriting, and layout design. Students will also participate in the creation of one school newspaper during the class.

Newspaper-Yearbook Staff:

Students in this class will create and produce school newspapers and the school yearbook. Prior journalism classes are required.

MATHEMATICS

3.0 Credits

Grade	Credit	Regular Math Option
9 th	1.0	Secondary Math 1
10 th	1.0	Secondary Math 2
11 th	1.0	Secondary Math 3 or an Applied Course with Parental Permission
12 th		Any Advanced or Applied Course (except AP Calculus)

Secondary Mathematics I:

Students in Secondary Mathematics I will deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomenon, and in part by applying linear models to data that exhibit a linear trend. Students will use properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge. Algebraic and geometric ideas are tied together. Students will experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Secondary Mathematics II:

Students in Secondary Mathematics II will focus on quadratic expressions, equations, and functions, extend the set of rational numbers to the set of complex numbers, link probability and data through conditional probability and counting methods, study similarity and right triangle trigonometry and study circles with their quadratic algebraic representations. Honors students will also represent complex numbers and their operations on the complex plane, solve systems of equations, prove and apply trigonometric identities, express conic sections algebraically, and solve problems using volume measurements.

Secondary Mathematics III:

Students in Secondary Mathematics III will focus on pulling together and applying the accumulation of learning that they have from their previous courses. They will apply methods from probability and statistics, expand their repertoire of functions to include polynomial, rational and radical functions, they will expand their study of right triangle trigonometry and will bring together all of their experience with functions and geometry to create models and solve contextual problems.

Mathematical Decision Making:

This course includes mathematical decision making in finance, modeling, probability and statistics and making choices. Students will make sense of authentic problems and persevere in solving them. They will reason abstractly and quantitatively while communicating mathematics to others. Students will use appropriate tools, including technology, to model mathematics. Students will describe mathematical situations and solve problems.

SCIENCE

3.0 Credits

Students must complete 3 science credits. **2 credits must be Core Science Credits.** College and universities require three credits of science. Students must select courses from two of the four general areas found in the following table.

Grade	Credit	Course
9 th	1.0	Earth Science
10 th	1.0	Biology A & B
	1.0	Any Advanced or Applied Course

CORE CLASSES

Agriculture Biology A/B:

The Biology/Agriculture Science and Technology course is the Biology curriculum with emphasis on Agriculture concepts. This is a two trimester course which fulfills the biological science requirement for graduation. This also gives an opportunity to those interested in agriculture and natural resource management to pursue career development in these areas.

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Natural Resource Science A/B:

Students will develop knowledge and skills related to production management and conservation of natural resources. Major units will include ecology, range resources, waste management, and land use field and laboratory experiences will be emphasized.

Earth Science A/B:

Life and physical science content are integrated in a curriculum with two primary goals: (1) students will value and use science as a process of obtaining knowledge based on observable evidence, and (2) students' curiosity will be sustained as they develop the abilities associated with scientific inquiry. This course builds upon students' experience with integrated science in grades seven and eight and is the springboard course for success in Biology, Chemistry, Geology, and Physics.

Chemistry A/B:

This course is designed to teach students basic chemistry, concepts, theory, problem solving skills and basic lab techniques. Any college bound student should consider this course as an aid to college acceptance requirements and to prepare the student for college chemistry requirements.

FINE ARTS

1.5 Credits

Credit	Course
.50	Any Fine Arts Course
.50	Any Fine Arts Course
.50	Any Fine Arts Course

Foundations I Art:

A basic skills Art class that has a focus on learning the art elements and principles and the creation of works of art. Students will also analyze and evaluate their art and the artwork of others.

Poetry and Pop Music:

Poetry and Pop Music is an elective course that examines the elements of poetry with a focus on music lyrics. Bob Dylan, Neil Young, John Prine, Sting and other great singer-songwriters works are studied. Students will learn about the story and figurative speech characteristics of poetry. There is a mid-term assessment as well as an oral report required for this class.

HEALTHY LIFE STYLES

1.0 Credits

Two credits of Healthy Lifestyles are required for students to graduate from Cache High School. Students should take Health their 9th or 10th grade year and PE both 9th and 10th grade year. One elective should be taken any other year.

Grade	Credit	Course
9 th , 10 th , 11 th , 12 th	1.5	Healthy Lifestyles (PE)
9 th	.50	Health Education

Healthy Lifestyles:

Skills necessary for a happy and successful life are taught in this class. Subjects include stress, relationships, critical thinking, self-esteem, learning styles, goals and teamwork (among others).

Physical Education:

This class is designed to give students activity-based experiences to help them create a lifetime of personal fitness. Activities may include basketball, volleyball, softball, soccer, Frisbee-golf, golf (Logan River driving range), rock climbing (Rock Haus), walking, and bowling (Fun Park).

SOCIAL STUDIES

2.5 Credits

The Social Studies Department offers social studies required and elective courses to broaden a student's knowledge of country and self. Two credits of Social Studies courses are required for students to graduate from Cache High School.

Grade	Credit	Course
9	.5	World Geography
10	.5	Ancient or Modern World History
	1.0	US Studies
	.5	American Government

WORLD HISTORY REQUIREMENT

Modern World History: (John)

Students will study world history from the Renaissance to World War II. Historical perspectives will be provided for today's major world events by understanding their background and causes. The spread of western ideas and the meeting of diverse cultures will be explored.

Modern World History: (Craig)

Students will study the roots of the Renaissance and the Renaissance and use historical perspectives to look and current issues. Italian Renaissance. Al-Andalus Spain, Protestant Reformation, and Christopher Columbus are themes in this course.

US STUDIES REQUIREMENT

U.S. History I:

United States History covers events and issues from the Age of Exploration through Reconstruction and the Western Movement, emphasizing the 18th and 19th centuries. Topics covered will include, but are not limited to: Exploration, Colonization, Revolutionary War, Constitutional Issues, Nation Building, Civil War, Reconstruction, and Western Movement. Geography will be integrated into the main content. The remaining standards can be taught either chronologically or thematically.

U.S. History II:

This course will help students make connections between their world and the rich heritage of the United States history. The course is designed as a survey of American History with an emphasis on post-Reconstruction American (1876-Present). The course can be taught using a thematic approach or in chronological order.

AMERICAN GOVERNMENT REQUIREMENT

U.S Government:

Students in this course will study the philosophies and history of the government, the Constitution and Bill of Rights. The students will participate in an election simulation to give them a small view into the election process.

Geography for Life:

Geography for Life will explore how to use geography as a tool to better understand the world. Both physical and human geography will be studied. Map skills, reports on regions, population, pyramids, and current issues in geography will be studied.

World Civilization:

World Civilization is a study of human history beginning in pre-history through Egypt, Mesopotamia, Greece and Rome. Government, religion, economics, technology, art, science and technology of great civilizations are studied.

TECHNICAL

1.5 Credits

One and one-half technical credit is required for students to graduate from Cache High School. One and one-half technical credit must be taken at Cache High School. Students must take the required **Computer Technology** course for one-half credit. The other technical credit may be earned by taking any technical classes. Students should select classes that correspond with their educational plans and career goals.

Credit	Course
.50	Computer Technology
1.0	Any Technical Course

BUSINESS

Computer Technology I:

Computer literacy is a foundational element of success in today's technology driven world. This course is intended for students to learn concepts associated with key application software, basic computing fundamentals, and ethics and appropriate behavior while using technology as a tool in the classroom and in life. This course is aligned with national and international standards and the Utah Core to prepare students across multiple levels of skills.

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Bridgerland Applied Technology College

Bridgerland courses are arranged primarily in two-hour blocks. Each two-hour course yields 1 Technical credit. Students may attend Bridgerland all day and may earn up to 7.5 Technical Credits for a full year's study.

SOPHOMORES MAY NOT ENROLL IN BATC CLASSES.

STUDENTS MUST ENROLL IN PRE-REQUISIT CLASSES TAUGHT AT CACHE HIGH BEFORE BEING ALLOWED TO TAKE ADVANCED COURSES AT BATC.

ENROLLMENT: Bridgerland Applied Technology College offers a variety of programs for high school students in Cache, Box Elder, and Rich counties. The list of available programs for Cache High is included on the following pages.

Prior to being enrolled in a class at BATC, students receive counseling to ensure that the student is in the appropriate class, has the aptitude to succeed in the class, and understands the requirements of the particular area of training.

Students interested in enrolling in high school programs at BATC will need to contact the counselor at Cache High prior to attending BATC.

For more information, please refer to the BATC web page at: www.batc.edu.



Bridgerland Applied Technology College (BATC) provides an exciting opportunity for advanced vocational/technical training. The BATC's programs feature the latest technology in each area of study with an emphasis on training to become ready to enter the job market. The programs are fast paced and challenging. Although open to students of any level, these technology classes are generally recommended for students who have completed basic courses at the high school (where offered) and are ready to move into more in-depth technology training. Most classes are available all periods of the day. Except where noted in the course descriptions, BATC classes are open entry throughout the school year and may be offered each term.

ASL I (First Trimester ONLY) (LIMITED TIMES):

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.

ASL II (Second Trimester ONLY) (LIMITED TIMES):

Continues with further instruction and practice to improve receptive and expressive proficiency. Students will be introduced to more signs and correct ASL word order. Also covers more regarding Deaf culture.

ASL III (Third Trimester ONLY) (LIMITED TIMES):

Expands expressive and receptive abilities in ASL using different discourse styles and grammatical structures. Introduction to even more signs. **These courses are cumulative in content. Students attending from semester based schools should plan to attend both semesters for uninterrupted instruction and full-course credit. Missed content directly influences student success.**

Veterinarian Assistant/Pre-Vet Tech:

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. Veterinary assisting is a rewarding career in a growing field. **Students interest in transitioning into the adult program need to successfully pass a criminal background check.**

Auto Collision and Repair:

This fun program provides an opportunity to repair and paint modern vehicles. Eligible for I-CAR gold class points (college credit available at University of Phoenix). 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 material, personal safety, refinish safety, and corrosion protection are covered.

Automated Manufacturing & Robotics:

Students will select from the following specialty areas:

- Industrial Mechanics: Covers precision measurement, tools, rigging, lubrication, bearings, flexible drives, and alignment.
- Fluid Power: Covers hydraulics, pneumatics, and computer simulation of industrial systems with automation studio.
- Programmable Logic Controllers: Covers how to install, program and troubleshoot the brains of all automation found in manufacturing today.
- Instrumentation and Motion Control: Covers instrumentation in Process control.
- Electrical Motor Control: Covers how to wire motor control systems and troubleshooting electric motors and drives.
- Green Alternative Energy: Covers photovoltaic (solar panels), wind turbine technology, energy efficiency and auditing for residential and industrial, basic electrical theory and wiring, alternative energy systems grid tie, energy essentials, and other alternative energy related topics.
- Robotics
- STEM certificate (to receive certificate, students must attend 2 hours per day for their junior and senior years)

Automotive Services:

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 students 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.

Building Technology:

Basic Carpentry – 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.

Cabinetmaking:

Beginning Cabinetmaking and Millwork

Covers fundamentals of the cabinetmaking and millwork trade. No previous experience or prerequisite classes from home high school are required. Learn about wood technology, safety and machine tool use, cabinet design and layout, cabinet construction, and finish applications. Students will design and build a cabinet project of their choosing. The result will be a well-built, successful project to take home. This class will prepare students for the Advanced Cabinetmaking and millwork course.

Advanced Cabinetmaking and Millwork

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).

Cosmetology:

This class is held at the Brigham City BATC Campus and student is responsible for own transportation. This program provides 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 nail, and barbering. After successful completion of the cosmetology competencies and 2000 hours, students will be prepared to take the Cosmetology Barber license state board exam.

Culinary Arts:

This course prepares students to work in the industry by giving basic food preparation lessons in safety, sanitation, knife skills, use of equipment, salad bar preparation, catering, setting and cleaning up, and vital waiter/waitressing skills. Hair net required.

Dental Assisting:

Is required prior to taking the Dental Assisting program. This course gives the student a brief introduction to a variety of dental assisting skills. Students learn moisture control, instrument transfer, charting, oral anatomy, and tooth numbering.

Dental Terminology *Prerequisite: Intro Dental*

Provides framework for Dental Assisting Program. Students learn prefixes, suffixes, and dental definitions.

Dental Assisting *Prerequisite: Intro & Terminology*

Is for students who plan to pursue a career in the dental field. Learn the basic 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, e.g., scheduling appointments, telephone etiquette, filing charts, billing insurance, etc.

Diesel:

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.

Electronic Technology:

Digital Electronics

Introduces students to applied digital logic, a key element of careers in engineering and engineering technology. This class explores the smart circuits found in watches, calculators, video games, and computers. Students use industry-standard computer software in testing and analyzing digital circuitry. They design circuits to solve problems, export their designs to a printed circuit auto-routing program that generates printed circuit boards, and use appropriate components to build their designs. Students use mathematics and science in solving real-world engineering problems.

Electronic Fundamentals

Is designed to introduce the concepts and fundamentals of electronic device, systems, and circuits. Topics include direct current electricity, alternating current electricity, transistors and integrated circuits, transmitters and receivers, oscillators and amplifiers, electronic memory, digital logic circuits, and microcomputers.

Fashion Merchandising: *Prerequisite: Fashion Strategies*

Students can take Fashion A, B or C in any order

Fashion A: 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.

Fashion 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.

Fashion C: 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.

Health Science:

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.

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 cost for each course will be provided to students for parental consent during orientation.

Consumable textbooks, supplies, student notes, and state test fees required. 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/licensing have mandatory attendance requirements. **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.**

Students involved in extracurricular activities involving multiple school absences may not want to consider enrollment in these types of regulated courses (e.g. CNA, Pharmacy Technology, etc.).

Courses offered in the Health Science area are listed below.

Nurse Aide: *Prerequisite: Must be 16*

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 two years 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 all students seeking certification pass all course exams with 75 percent or higher. A 24 hour externship in a nursing home is a course requirement. Student must provide their own transportation to clinical facilities. Recommended for the BATC Practical Nursing Program and required for most nursing programs.

Drug Dosages and Calculations:

This class is strongly suggested for students who plan a career in nursing, pharmacy, or medicine. Students will learn medical math from the basics through IV dosages and calculations as well as metric conversions. This course is a prerequisite for Pharmacy Technician and Practical Nursing. Students must earn 85 percent in the course to demonstrate competency requirements for programs.

Medical Lab Procedures/Biotech:

Learn to perform routine laboratory procedures used in clinical, medical, research, and genetic laboratories. Topics include molecular biology, human genetics, human disease, microbiology, forensics, and bioethics. Students will use laboratory equipment found in medical labs as well as research labs and major private companies. Students will gain a foundation of knowledge and skills used in many fields of study including medicine, microbiology, genetics, and bioengineering. Students will learn basic skills needed to work in a clinical or entry-level laboratory.

Medical Office Administration:

Prepare for a career as a Medical Office Administrative Assistant. The program includes office management skills, medical ethics and law, medical records management, billing and collection procedures, basic insurance, medical coding and transcription skills. Students can complete the MOA program if they attend the entire academic year. All competencies successfully completed will count toward the BATC MOA certificate. May take multiple trimesters to complete.

Medical Terminology:

This class enables students to understand the language of medicine, which is based in Greek and Latin. Students will learn the terminology used in medical transcripts, medical assisting, nursing assisting, nursing physical therapy, and all other health-related fields. This is a prerequisite for the Practical Nursing Programs and is strongly recommended for students who plan to pursue any health care career.

Pharmacy Technician: *Prerequisite: Seniors only, B+ or higher in Drug Dosages or B+ or higher in Secondary Math 3*

This program prepares individuals to support pharmacist, including pharmacist-approved consultation regarding over the counter medications and natural products, counter dispensing operations and prescription preparation; maintaining patient and related health record information; and by performing a wide range of practice related duties for retail, hospital, home care, mail-order and other pharmacy settings. Special emphasis will be placed on preparing the student to take the national Pharmacy Technician Certification Board examination which must be completed within one year from the start of the class and cannot be taken until after graduation from high school. Students must register for 1st, 2nd and 3rd Trimesters. Students who wish to pursue state licensure will be required to complete 180 hours of pharmacy externship post-graduation. Students must be available a minimum of 15 hours per week throughout the summer. Externships are earned by scoring 85% in the course and on the final exam.

Industrial Automation: *Prerequisite: Ag Systems Tech 2 and/or Technical Design*

Students will select from the following specialty areas:

Industrial Mechanics: Covers precision measurement, tools, rigging, lubrication, bearings, flexible drives, and alignment.

Fluid Power: Covers hydraulics, pneumatics, and computer simulation of industrial systems with automation studio.

Programmable Logic Controllers: Covers how to install, program and troubleshoot the brains of all automation found in manufacturing today.

Instrumentation and Motion Control: Covers instrumentation in Process control.

Electrical Motor Control: Covers how to wire motor control systems and troubleshooting electric motors and drives.

Rocks to Jewels: Learn safe use of abrasive and cutting equipment while taking special rocks found on field trips and turn them into gems and jewels.

Information Technology:

Information Security & Network Security (Computer Hacking) – Students will learn how to secure a network, types of hacker activities, the hacker's mind set, and preventing and managing hacker penetration. Additionally, mobile phone security, authentication procedures, encryption standards, implementations, ports and protocols used by hackers, proactive detection and response/reporting methods will be covered. This course teaches how to perform different phases of a security audit, including discovery, penetration, how to defeat unauthorized users, security industry recommendations, and properly protecting various servers. Prepares students for the Security+ exam to become a Certified Security Professional.

CWTS – (Certified Wireless Technology Specialist) – Learn various next generation wireless technologies, including how to setup, configure, manage, and secure wireless networks, along with various hardware, software, and tools. Students will perform site surveys and learn about installation methods for setup of both large and small wireless networks. Students will gain understanding of radio frequency behavior, terminology and wireless fundamentals necessary to be successful in the exciting enterprise of wireless networking. Prepares students for the CWTS exam to become a Certified Wireless Technology Specialist.

Telecommunications – VOIP/PBX – Learn how to setup your own digital phone system. Students will gain an understanding of VOIP technologies, and be able to setup a Business Grade Phone System utilizing hundreds of features many companies currently use.

Windows 7 Configuration – Take your IT career to the next level by improving your knowledge of one specific technology, earn multiple Microsoft Certified Technology Specialist (MCTS) certifications to show breadth across different products, or build on the MCTS to earn a Microsoft Certified IT Professional (MCITP) certification. This career destination starts with the Microsoft 7 Configuration Course (70-680)

Linux+ - The CompTIA Linux+ certification is a new standard of competency for exiting and aspiring professionals in the IT field. Students gain an in depth knowledge of installing, operating and maintain Linux operating systems. The Linux+ certification validates technical competency and provides a broad awareness of Linux operating systems. Those holding Linux+ certification demonstrate critical knowledge of installation, operation, administration and troubleshooting services.

Introduction to Programming – Learn fundamentals of computer programming, including flow charting, pseudo coding, storyboarding, hierarchy, and program logic. Create a final project designing and planning a computer program structure.

C++Programming I – Introduces the C++ language. Topics include data types, control structures, functions, pointers, arrays, I/O streams, classes, object encapsulation, overloading, inheritance, and use of these concepts in problem solving. Students are introduced to object oriented programming techniques.

A+PC Technician (Hardware) – This course is a “must” for anyone planning a career in the computer industry. Learn the history, construction, operation and maintenance of personal computers. Hardware components, troubleshooting procedures, system upgrades, and virus protection measures will be taught. This hands on class provides a chance to replace components, break, troubleshoot-fix, dismantle and reassemble actual computers. Combined with Operation Systems, this class prepares you for A+IT Technician industry certification test.

A+PC Technician – Operating Systems – Learn fundamentals of PC Operating Systems and software (the “software” portions of the A+ certification exam). You will learn about installing, upgrading, maintaining and troubleshooting operating systems, software applications, and simple networks. Using Microsoft’s Virtual PC, you will receive hands-on experience so that you can be confident working on your own system at home. This class, combined with the Hardware class, prepares you to take A+IT Technician industry certification test.

Mobile Device Programming – Learn how to create mobile applications for iPhone, iPad or Android Devices.

Interior Design: *Prerequisite: Interior Design*

Students begin with an introduction to principles of elements and design. Students will experience how the elements of design can be applied in interior spaces and how color affects the atmosphere and the mood of a space. Students attending more than one trimester will progress to space planning practices including how to read floor plans and evaluate the function of space then onto the practical and creative possibilities of materials and finishes used in interior design. Students will learn the use of these materials through hands-on projects.

Machine Shop Operations:

This class will appeal to those who like to create items using their minds and hands. They will be using hi-tech equipment such as lathes, mills, and CNC equipment to run and mill surfaces to precise measurements. Advanced students will develop drawings, using Computer Aided Drawing systems, then build parts using CNC equipment.

Meat Services: *Prerequisite: Foods 1 or 2 and/or Animal Science*

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.

Welding Technology: *Prerequisite: Ag Systems*

This course offers basic training in seven major welding processes, which will teach entry-level skills of 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 toward an advanced ECAT certificate including robotics, welding certification, and be eligible to receive a BATC Certificate of completion when all requirements are met.

Summer BATC Classes

Summer BATC offer students a variety of tuition-free programs from 8am until noon during the summer months. Students should see their counselor to register for summer credit.

Credit Recovery

The Utah State Board of Education rule R277-705-3C requires school districts to provide opportunities for students to demonstrate competency by passing a state-approved Demonstrated Competency Assessment.

- Demonstrated Competency Assessments are available to all high school students, grades 9-12.
- Students are responsible for acquiring and retaining the content knowledge and skills needed to pass a Demonstrated Competency Assessment.
- Each Demonstrated Competency Assessment reflects one term (1/2 trimester) of subject content worth .25 credit toward graduation. Students receive a “P” for passing grade. No letter grades are awarded (students must perform at a minimum of 70% to earn a “P”).
- Counselors must submit a written request to testing coordinator a minimum of 24 hours prior to desired test date.
- Each individual Demonstrated Competency Assessment may be taken only once per year.
- Students pursuing college athletic career need to be aware that the National Collegiate Athletic Association (NCAA) does NOT recognize courses completed through credits-by-exam. Demonstrated Competency Assessments **cannot be used** to meet NCAA eligibility.
- The cost for each .25 credit packet is \$110.00. \$100.00 will be refunded upon return of the textbook in acceptable condition.

Demonstrated Competency Assessments

Classes Offered	Q1	Q2	Q3	Q4
Language Arts 9	.25	.25	.25	.25
English 9 New Core	.25	.25	.25	.25
Language Arts 10	.25	.25	.25	.25
English 10 New Core	.25	.25	.25	.25
Language Arts 11	.25	.25	.25	.25
English 11 New Core	.25	.25	.25	.25
Language Arts 12	.25	.25	.25	.25
Algebra I	.25	.25	.25	.25
Algebra II	.25	.25	.25	.25
Geometry	.25	.25	.25	.25
Sec. Math I	.25	.25	.25	.25
Sec. Math II	.25	.25	.25	.25
Sec. Math III	.25	.25	.25	.25
Biology	.25	.25	.25	.25
Earth Science	.25	.25	.25	.25

Earth Systems Science	.25	.25	.25	.25
Chemistry	.25	.25	.25	.25
Geography for Life	.25	.25	.25	.25
US Government	.25	.25		
US History II	.25	.25	.25	.25
World Civilization	.25	.25	.25	.25
Art Foundations II	.25	.25		
Art History	.25	.25		
Drawing	.25	.25		
Fit For Life	.25	.25		
Health Education	.25	.25		
Computer Technology	.25	.25		
Financial Literacy	.25	.25		

Credit Recovery Packets are available in the above subjects for those who were unable to pass the Demonstrated Competency Assessment with a minimum of 70% **AND** did not successfully pass the course.

Adult Education

The Adult Education Program at Cache High offers an opportunity for adults to obtain their High School Diploma.

- Open Enrollment from July 27, 2015 thru June, 2016.
- Proof of Utah Residency is required.
- A \$40.00 registration fee is required. This fee covers registration, state required testing and the first .50 credit earned. An additional \$20.00 fee is required for each .25 credits up to a maximum cost of \$100. Credit(s) earned after that are free.
- Adult Education fees cannot be waived and are not refundable for any reason.
- On site teacher available for help on Tuesday, Wednesday and Thursday each week from 3:00 to 5:00 pm.
- Contact Cache High at 435-755-0716 for additional information regarding Adult Education.

Adult Education Courses Offered

Classes Offered	Q1	Q2	Q3	Q4
Language Arts 9	.25	.25	.25	.25
English 9 New Core	.25	.25	.25	.25
Language Arts 10	.25	.25	.25	.25

English 10 New Core	.25	.25	.25	.25
Language Arts 11	.25	.25	.25	.25
English 11 New Core	.25	.25	.25	.25
Language Arts 12	.25	.25	.25	.25
Algebra I	.25	.25	.25	.25
Algebra II	.25	.25	.25	.25
Geometry	.25	.25	.25	.25
Sec. Math I	.25	.25	.25	.25
Sec. Math II	.25	.25	.25	.25
Sec. Math III	.25	.25	.25	.25
Biology	.25	.25	.25	.25
Earth Science	.25	.25	.25	.25
Earth Systems Science	.25	.25	.25	.25
Chemistry	.25	.25	.25	.25
Geography for Life	.25	.25	.25	.25
US Government	.25	.25		
US History II	.25	.25	.25	.25
World Civilization	.25	.25	.25	.25
Art Foundations II	.25	.25		
Art History	.25	.25		
Drawing	.25	.25		
Fit For Life	.25	.25		
Health Education	.25	.25		
Computer Technology	.25	.25		
Financial Literacy	.25	.25		