Mountain Crest High School

Registration Course Guidebook

2023-2024

Course Description and Registration Information Booklet
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LEGAL STATEMENTS

Equal Education and Employment Opportunity

It is the policy of the Cache County School District to provide equal education and employment opportunities for all individuals. Therefore, the District prohibits all discrimination based on 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’s 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 party within 10 business days of this meeting.

Public Education Online (PEO)

Eligible students in 9th through 12th grades have the option to take high school credits online 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 the application process can be found at the link below. State of Utah [www.schools.utah.gov/edonline](http://www.schools.utah.gov/edonline). FAQs can be found at the Cache County School website: [www.ccsdut.org/edonline](http://www.ccsdut.org/edonline).
GENERAL REGISTRATION INFORMATION AND THE STUDENT EDUCATIONAL OCCUPATION PLAN FOR COLLEGE AND CAREER READINESS

Current Utah State laws require all secondary students to have a Plan for College and Career Readiness (PCCR). The student, a parent, and an educator jointly develop the PCCR. Registration for classes should be guided by the PCCR; in other words, a student registers for classes that will assist the student in achieving the goals identified by the PCCR. State laws and district policies establish graduation standards, and the PCCR 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 PCCR. Students are responsible to register for appropriate grade level courses and to 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 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 PCCR, and examine your course progress, ensuring that required classes are taken.

2. Choose elective classes in support of your PCCR. In so doing, students planning post high school education must meet the additional requirements for submissions. 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.

A common core of courses is required for all students, and a summary of the current graduation requirements is described in the following pages.
Mountain Crest GRADUATION PATH:
For students graduating in 2020 and beyond

<table>
<thead>
<tr>
<th>REQUIREMENT</th>
<th>BREAKDOWN</th>
<th>APPLIED OR ADVANCED</th>
</tr>
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</table>
| Language Arts (4 credits) | English 9 A & B  
English 10 A & B  
English 11 Writing  
English 11 Literature  
And 1.0 credit-additional applied or advanced courses | AP English, Advanced Creative Writing, Business Communications, BUSN 2200  
Creative Writing, Debate, English 1010, English 2200, French 3 & 4, Literature, Humanities, Journalism, Mythology, Newspaper, SciFi/Fantasy, Spanish 3 & 4, Western Civ/1320, Western Lit., Yearbook |
| Social Studies (3 credits) | .5 credit – Geography  
.5 credit – Ancient World, Modern World or AP European History  
1.0 credit – US Studies or AP American History  
.5 credit – American Government or AP US Government & Politics  
.5 credit – Social Studies Elective  
**Plus, students must pass Utah’s required civics test** | AP Calculus, AP Statistics, Accounting 1, College Prep Math, Computer I & II Math 1050, Math 1060, Math of Personal Finance, Pre-calculus, Stats 1040 |
| Math (3 credits)    | Secondary Math 1, 2, and 3                                               |                                                                                  |
| Science (3 credits) | 2.0 credits—one each from two of the four science areas; Earth Science, Biology, Ag Biology, Chemistry, Physics  
1.0 credit – additional applied, foundation or advanced | Agricultural Science 1 & 2, Animal Science, Astronomy, Biology 1010, Botany, Chemistry 1010, Electronics 1&2, Engineering Principles 1&2, Environmental Science, Medical Anatomy/Physiology, Physics, Plant Science, Robotics 1&2, Vet Assisting |
| Health (.5 credit) | .5 credit – Health II                                                   |                                                                                  |
| Healthy Life Styles (1.5 credits) | .5 credit – Fitness for Life  
.5 credit – Core PE  
.5 credit – other PE classes |                                                                                  |
| Fine Arts (1.5 credits) | 1.5 credit – Any Fine Arts class                                        |                                                                                  |
| Financial Literacy (.5 credits) | .5 credit – Financial Literacy or Personal and Family Finance  
or FCSE 1350 |                                                                                  |
| Digital Studies (.5 credit) | .5 credit - Business Office Specialist or Exploring Computer Science or Web Development 1 or Computer Science Principles or Computer Programming |                                                                                  |
| Technical (1 credit) | 1.0 credit – any Career and Technical Education class                    |                                                                                  |
| Elective (7.5 credits) | Other classes in support of PCCR                                        |                                                                                  |

**CREDITS FROM REQUIRED CLASSES: 18.5**
**CREDITS FROM ELECTIVES: 7.5**
**CREDITS REQUIRED FROM GRADUATION: 26**
Utah High School to College and Career PATHWAYS

Find the Pathway That’s Right for You. Ask your counselor for a Pathways student guide.
CTE PATHWAYS

What are CTE Pathways?

CTE Pathways, within eight Areas of Study, are rigorous programs of study 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 rapid financial growth, increased levels of responsibility, and a high degree of personal satisfaction.

Why complete a CTE Pathway?

- Earn a completer certificate and pin for graduation
- Looks great on resumes and applications
- Jump-start your career!

Interested in completing a Pathway? Sign up for required classes at registration and talk to your counselor!

**CE = Concurrent Enrollment

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### Agricultural Mechanics Systems

**Pathway for your career**

**Required Courses**
- Ag Mechanics, Advanced (.5)
- Ag Systems Tech 2 A (.5)
- Ag Systems Tech 2 B (.5)

**Elective Courses (1.5 credits)**
- Ag Biology A & B (.5)
- Ag Systems Tech 1 A (.5)
- Ag Systems Tech 1 B (.5)
- Agricultural Science 1A & 1B (.5)
- CTE Internship (.5)

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### Animal & Veterinary Science

**Pathway for your career**

**Required Courses**
- Veterinary Assistant A (.5)
- Veterinary Assistant B (.5)
- CTE Internship (.5) **OR**
- BTECH – Vet Assistant (1.0)

**Elective Courses (1.0-1.5 credit)**
- Ag Biology A (.5)
- Ag Biology B (.5)
- Agricultural Science 1A & 1B (.5)
- Animal Science A (.5)
- Animal Science B (.5)
- CTE Internship (.5)

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### Food Science, Dietetics & Nutrition

**Pathway for your career**

**Required Courses**
- Food & Nutrition 2 (.5)
- WSU Nutrition 1020 (.5)

**Elective Courses (2.0 credits)**
- Food & Nutrition 1 (.5)
- USU HDFS 1500/Human Dev. (.5)
- Med Anatomy & Phys A (.5)
- Med Anatomy & Phys B (.5)
- CTE Internship (.5)

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### Plant Science

**Pathway for your career**

**Required Courses**
- Floriculture (.5)
- USU Plant Science 1800 (.5) **OR**
- Plant & Soil Science A (.5)

**Elective Courses (2.0 credits)**
- Ag Biology A (.5)
- Ag Biology B (.5)
- Agricultural Science 1A (.5)
- Agricultural Science 1B (.5)
- CTE Internship (.5)
<table>
<thead>
<tr>
<th>Fashion, Apparel &amp; Textiles</th>
<th>Photography</th>
<th>Accounting &amp; Finance</th>
<th>Business Administration</th>
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<tr>
<td><strong>Required Courses</strong></td>
<td><strong>Required Courses</strong></td>
<td><strong>Required Courses</strong></td>
<td><strong>Required Courses</strong></td>
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<tr>
<td>- Fashion Design Studio (.5)</td>
<td>- Commercial Photo 1 (.5)</td>
<td>- Accounting 1 (.5)</td>
<td>- Business Management (.5)</td>
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<tr>
<td>- Sewing Constr. &amp; Textiles 1 (.5)</td>
<td>- Commercial Photo 2 (.5)</td>
<td>- Accounting 2 (.5)</td>
<td>- CTE Internship (.5)</td>
</tr>
<tr>
<td>- Sewing Constr. &amp; Textiles 2 (.5)</td>
<td>- Printmaking (.5)</td>
<td>- USU 1350 Personal Fin. (.5)</td>
<td>- Elective Courses (2.0 credits)</td>
</tr>
<tr>
<td><strong>Elective Courses (1.5 credits)</strong></td>
<td>- BTECH Media Design (1.0)</td>
<td>- USU Econ 1500 (.5)</td>
<td>- Elective Courses (2.0 credits)</td>
</tr>
<tr>
<td>- USU-FSCE 1040 - Sports &amp; Outdoor Product Design (.5)</td>
<td>- CTE Internship (.5)</td>
<td>- Sports &amp; Entertainment Mktg (.5)</td>
<td>- Elective Courses (2.0 credits)</td>
</tr>
<tr>
<td>- BTECH Media Design (1.0)</td>
<td></td>
<td>- Web Development 1 (.5)</td>
<td>- Elective Courses (2.0 credits)</td>
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<tr>
<td>- BTECH Fashion Merch. (1.0)</td>
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<td>- CTE Internship (.5)</td>
<td>- CTE Internship (.5)</td>
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<td>- CTE Internship (.5)</td>
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<td></td>
<td>- BTECH Media Design (1.0)</td>
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<td><strong>Required Courses</strong></td>
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<tr>
<td>- CAD Architectural Design 1 (.5)</td>
<td>- BTECH Building Technology (2.0)</td>
<td>- Interior Design 1 (.5)</td>
<td>- VideoTech Production A (.5)</td>
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<tr>
<td>- BTECH Drafting (1.0)</td>
<td><strong>OR</strong></td>
<td>- BTECH Interior Design (1.0)</td>
<td>- VideoTech Production B (.5)</td>
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<tr>
<td><strong>Elective Courses (1.5 credits)</strong></td>
<td>- <strong>All 3.0 credits may be completed at BTECH</strong></td>
<td>- CTE Internship (.5)</td>
<td>- <strong>Required Courses</strong></td>
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<td>- Introduction to Construction (.5)</td>
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<td>- Computer Programming (.5)</td>
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<tr>
<td>- BTECH Building Tech (1.0)</td>
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<td>- Computer Science Principles (.5)</td>
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<tr>
<td>- CTE Internship (.5)</td>
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<td>- Web Development 1 (.5)</td>
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<td><strong>Required Courses</strong></td>
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<tr>
<td>- CAD Architectural Design 1 (.5)</td>
<td>- BTECH Building Technology (2.0)</td>
<td>- Interior Design 1 (.5)</td>
<td>- VideoTech Production A (.5)</td>
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<tr>
<td>- BTECH Drafting (1.0)</td>
<td><strong>OR</strong></td>
<td>- BTECH Interior Design (1.0)</td>
<td>- VideoTech Production B (.5)</td>
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<td><strong>Elective Courses (1.5 credits)</strong></td>
<td>- <strong>All 3.0 credits may be completed at BTECH</strong></td>
<td>- CTE Internship (.5)</td>
<td>- <strong>Required Courses</strong></td>
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<tr>
<td>- Introduction to Construction (.5)</td>
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<td>- Computer Programming (.5)</td>
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<td>- BTECH Building Tech (1.0)</td>
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<td>- Computer Science Principles (.5)</td>
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<tr>
<td>- CTE Internship (.5)</td>
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<td>- Web Development 1 (.5)</td>
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Business Information Management:
Classes that are required to finish this CTE Pathway.

Required Courses
- Business Management (.5)
- Business Office Specialist (.5)

Elective Courses (2.0 credits)
- Accounting 1 (.5)
- USU 1350 Personal Fin. (.5)
- USU Econ 1500 (.5)
- IT STEM (1.0)
- Web Development 1 (.5)
- BTECH Media Design (1.0)
- CTE Internship (.5)

Marketing:
Classes that are required to finish this CTE Pathway.

Required Courses
- Digital Marketing (.5)
- Sports & Entertainment Mktg (.5)

Elective Courses (2.0 credits)
- Accounting 1 (.5)
- USU 1350 Personal Fin. (.5)
- USU Econ 1500 (.5)
- Web Development 1 (.5)
- BTECH Media Design (.5)
- CTE Internship (.5)

Cybersecurity:
Classes that are required to finish this CTE Pathway.

Required Courses
- IT STEM (1.0)

Elective Courses (2.0 credits)
- Computer Programming 1 (.5)
- Computer Sci. Principles (.5)
- Exploring Computer Science (.5)
- Web Development 1 (.5)
- CTE Internship (.5)

Information Technology Systems:
Classes that are required to finish this CTE Pathway.

Required Courses
- IT STEM (1.0)

Elective Courses (2.0 credits)
- Computer Programming 1 (.5)
- Computer Science Principles (.5)
- Exploring Computer Science (.5)
- Robotics 1 (.5)
- Web Development 1 (.5)
- CTE Internship (.5)

Programming & Software Development:
Classes that are required to finish this CTE Pathway.

Required Courses
- Computer Programming 1 (.5)
- Computer Programming 2 (.5) OR USU CS1400 - Intro to Computer Sci.

Elective Courses (2.0 credits)
- Computer Science Principles (.5)
- Exploring Computer Science (.5)
- IT STEM (.5)
- Robotics (.5)
- BTECH Web & Mobile Dev. (.5)
- CTE Internship (.5)

Web Development:
Classes that are required to finish this CTE Pathway.

Required Courses
- Web Development 1 (.5)

Elective Courses (2.0 credits)
- Computer Science Principles (.5)
- Exploring Computer Science (.5)
- IT STEM (.5)
- BTECH Media Design (.5)
- CTE Internship (.5)

Outdoor Product Development & Design:
Classes that are required to finish this CTE Pathway.

Required Courses
- Sewing Constr. & Textiles 1 (.5)
- Sewing Constr. & Textiles 2 (.5)
- USU-FSCE 1040 - Sports & Outdoor Product Design (.5)

Elective Courses (1.5 credits)
- Fashion Design Studio (.5)
- BTECH Media Design (.5)
- BTECH Drafting (.1)
- CTE Internship (.1)

Pre-K: Early Childhood Education:
Classes that are required to finish this CTE Pathway.

Required Courses
- Child Development (.5)
- Early Childhood Education 1 (.5)

Elective Courses (1.5-2.0 credits)
- Food & Nutrition 1 (.5)
- USU HDFS 1500/Human Dev. (.5)
- Nutrition 1020 (.5)
- CTE Internship (.5)
**Welding & Machining:**
Classes that are required to finish this CTE Pathway.

**Required Courses**
- BTECH Welding Tech (1.0)
- Ag Systems 1B & 2B (1.0) (must take both)

**Elective Courses (1.0 credit)**
- BTECH Machine Tool (1.0)
- CTE Internship (.5)

**Auto Mechanics & Repairs:**
Classes that are required to finish this CTE Pathway.

**Required Courses**
- BTECH Auto Service Tech (1.0)

**Elective Courses (2.0 credits)**
- Ag Systems 1B & 2B (1.0) (must take both)
- Electronics 1 (1.5)
- BTECH Auto Collision Repair (1.0)
- BTECH Machine Tool (1.0)
- BTECH Welding Tech (1.0)
- CTE Internship (.5)

**Diesel:**
Classes that are required to finish this CTE Pathway.

**Required Courses**
- BTECH – Diesel (1.0) **
  **All 3.0 credits may be completed at BTECH**

**Elective Courses (2.0 credits)**
- Ag Systems 1B & 2B (1.0) (must take both)
- Electronics 1 (1.5)
- BTECH Auto Service Tech (1.0)
- BTECH Machine Tool (1.0)
- BTECH Welding Tech (1.0)
- CTE Internship (.5)

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**Culinary Arts:**
Classes that are required to finish this CTE Pathway.

**Required Courses**
- Food & Nutrition 2 (.5)
- BTECH Culinary Arts (1.0)

**Elective Courses (1.5 credits)**
- Food & Nutrition 1 (.5)
- WSU Nutrition 1020 (.5)
- CTE Internship (.5)

**Personal Care Services (Cosmetology):**
Classes that are required to finish this CTE Pathway.

**Required Courses**
- BBCC–Cosmetology/Barbering (2.0)*
  **All 3.0 credits may be completed at BTECH**

**Elective Courses (1.0 credit)**
- Accounting 1 (.5)
- Business Management (.5)
- USU 1350 Personal Fin. (.5)
- CTE Internship (.5)

**Meat Services:**
Classes that are required to finish this CTE Pathway.

**Required Courses**
- BTECH – Meat Services AB&C (1.5)
  **(**can be taken for 3 credits to complete the pathway)

**Elective Courses (1.5 credits)**
- Animal Science 1A (.5)
- Animal Science 1B (.5)
- Food & Nutrition 2 (.5)
- CTE Internship (1.0)
CAREER PATHS: ARTISTIC-CENTERED

While filling their core required classes, students interested in artistic-centered career paths should select classes that complement their artistic goals, for instance, Fine Arts classes that are in their area of career interest, Social Studies classes that support the career path, concurrent enrollment and AP classes that relate to the career path.

ARTISTIC CAREER OPTIONS

<table>
<thead>
<tr>
<th>LITERARY</th>
<th>PERFORMING</th>
<th>VISUAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Author</td>
<td>Actor</td>
<td>Art Teacher</td>
</tr>
<tr>
<td>Editor</td>
<td>Choreographer</td>
<td>Artist/Graphic Artist</td>
</tr>
<tr>
<td>English Teacher</td>
<td>Composer</td>
<td>Cartoonist</td>
</tr>
<tr>
<td>Journalist</td>
<td>Dancer</td>
<td>Commercial Artist</td>
</tr>
<tr>
<td>Publisher</td>
<td>Model</td>
<td>Floral Designer</td>
</tr>
<tr>
<td>Technical Writer</td>
<td>Music Teacher</td>
<td>Interior Designer</td>
</tr>
<tr>
<td>Translator</td>
<td>Producer</td>
<td>Photographer</td>
</tr>
</tbody>
</table>

RECOMMENDED ELECTIVE COURSES IN SUPPORT OF ARTISTIC PATHS

<table>
<thead>
<tr>
<th>LITERARY</th>
<th>PERFORMING</th>
<th>VISUAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP English</td>
<td>Band</td>
<td>AP Art</td>
</tr>
<tr>
<td>Creative Writing</td>
<td>Drill Team</td>
<td>Ceramics</td>
</tr>
<tr>
<td>Debate</td>
<td>Cheerleading</td>
<td>Ceramics 2</td>
</tr>
<tr>
<td>English 1010</td>
<td>Choir</td>
<td>Apparel Design</td>
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<td>English 2200</td>
<td>Apparel Design</td>
<td>Interior Design</td>
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<tr>
<td>Foreign Language</td>
<td>Color guard</td>
<td>Sculpture</td>
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<td>Humanities</td>
<td>Fashion Strategies</td>
<td>Video Tech/Production</td>
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<tr>
<td>Journalism/Yearbook/Newspaper</td>
<td>Western Literature and Film</td>
<td>CTE Internships</td>
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<tr>
<td>Western Literature and Film</td>
<td>Music 1010</td>
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<tr>
<td>CTE Internships</td>
<td>Orchestra</td>
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<td></td>
<td>Song Writing</td>
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<td></td>
<td>CTE Internships</td>
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</tr>
</tbody>
</table>
CAREER PATHS: BUSINESS-CENTERED

While filling their core required classes, students interested in business-centered career paths should select classes that complement their business goals, for instance, Business classes that are in their area of career interest, other core classes that support the career path, concurrent enrollment and AP classes that relate to the career path.

<table>
<thead>
<tr>
<th>BUSINESS CAREER OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFFICE TECHNOLOGY</td>
</tr>
<tr>
<td>Court Reporter</td>
</tr>
<tr>
<td>Data Entry Clerk</td>
</tr>
<tr>
<td>Legal Secretary</td>
</tr>
<tr>
<td>Medical Records</td>
</tr>
<tr>
<td>Office Clerk</td>
</tr>
<tr>
<td>Paralegal</td>
</tr>
<tr>
<td>Receptionist Secretary</td>
</tr>
<tr>
<td>Travel Agent</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

RECOMMENDED ELECTIVE COURSES IN SUPPORT OF BUSINESS PATHS

<table>
<thead>
<tr>
<th>OFFICE TECHNOLOGY</th>
<th>BUSINESS ADMINISTRATION</th>
<th>ACCOUNTING/FINANCE</th>
<th>MARKETING SALES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting 1 &amp; 2</td>
<td>Accounting 1 &amp; 2</td>
<td>Accounting 1 &amp; 2</td>
<td>Accounting 1 &amp; 2</td>
</tr>
<tr>
<td>AP English</td>
<td>AP Statistics</td>
<td>AP Statistics</td>
<td>AP Statistics</td>
</tr>
<tr>
<td>Business</td>
<td>Business Communication</td>
<td>Business</td>
<td>Business</td>
</tr>
<tr>
<td>Communication</td>
<td>Business Management</td>
<td>Communication</td>
<td>Communication</td>
</tr>
<tr>
<td>Bus. Office Specialist or Exploring Computer Sci.</td>
<td>ECON 1500</td>
<td>Marketing</td>
<td>ECON 1500</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>ECON 1500</td>
<td>Financial Literacy Marketing</td>
<td>E-Commerce/Mktg. (BTECH)</td>
</tr>
<tr>
<td>FCSE 1350</td>
<td>FCSE 1350</td>
<td>Marketing</td>
<td>ECON 1500</td>
</tr>
<tr>
<td>CTE Internships</td>
<td>CTE Internships</td>
<td>FCSE 1350</td>
<td>Fashion</td>
</tr>
</tbody>
</table>

...
CAREER PATHS: SCIENTIFIC-CENTERED

While filling their core required classes, students interested in scientific-centered career paths should select classes that complement their scientific goals, for instance, Science classes that are in their area of career interest, other core classes that support the career path, concurrent enrollment and AP classes that relate to the career path.

SCIENTIFIC CAREER OPTIONS

<table>
<thead>
<tr>
<th>MEDICAL</th>
<th>ENGINEERING</th>
<th>NATURAL SCIENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anesthesiologist</td>
<td>Aerospace Engineer</td>
<td>Agricultural Biologist</td>
</tr>
<tr>
<td>Dietician</td>
<td>Astronomer</td>
<td>Astronomer</td>
</tr>
<tr>
<td>Home Health Care Aide/CAN</td>
<td>Chemical Engineer</td>
<td>Climatologist</td>
</tr>
<tr>
<td>Ophthalmologist</td>
<td>Chemist</td>
<td>Data Scientist</td>
</tr>
<tr>
<td>Paramedic</td>
<td>Civil Engineer</td>
<td>Environmental Scientist</td>
</tr>
<tr>
<td>Pharmacist</td>
<td>Electrical Engineer</td>
<td>Farm Management</td>
</tr>
<tr>
<td>Physical Therapist</td>
<td>Energy Engineer</td>
<td>Forestry</td>
</tr>
<tr>
<td>Respiratory Therapist</td>
<td>Mathematics</td>
<td>Geologist</td>
</tr>
<tr>
<td>Physician</td>
<td>Mechanical Engineer</td>
<td>Horticulturist</td>
</tr>
<tr>
<td>Dentist</td>
<td>Physicist</td>
<td>Marine Biologist</td>
</tr>
<tr>
<td>Physician Assistant</td>
<td>Researcher</td>
<td>Meteorologist</td>
</tr>
<tr>
<td>Dental Assistant</td>
<td>Robotics Engineer</td>
<td>Natural Resource Management</td>
</tr>
<tr>
<td>Psychiatrist</td>
<td>Surveyor</td>
<td>Nursery/Greenhouse Mgmt.</td>
</tr>
<tr>
<td>Radiologist/X-ray Technician</td>
<td></td>
<td>Researcher</td>
</tr>
<tr>
<td>Veterinarian</td>
<td></td>
<td>Wildlife Management</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Veterinarian</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Zoologist</td>
</tr>
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</table>

RECOMMENDED ELECTIVE COURSES IN SUPPORT OF SCIENTIFIC PATHS

<table>
<thead>
<tr>
<th>MEDICAL</th>
<th>ENGINEERING</th>
<th>NATURAL SCIENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Anatomy/Physiology</td>
<td>AP Calculus</td>
<td>AG Biology</td>
</tr>
<tr>
<td>AG Biology</td>
<td>AP Statistics</td>
<td>Animal Science</td>
</tr>
<tr>
<td>Anatomy/Physiology</td>
<td>Chemistry</td>
<td>AP Biology</td>
</tr>
<tr>
<td>Animal Science</td>
<td>Chemistry 1010</td>
<td>AP Calculus</td>
</tr>
<tr>
<td>AP Biology</td>
<td>Drafting/CAD</td>
<td>AP Statistics</td>
</tr>
<tr>
<td>AP Calculus</td>
<td>Electronics</td>
<td>Astronomy</td>
</tr>
<tr>
<td>AP Statistics</td>
<td>English 1010</td>
<td>Biology/AP Biology</td>
</tr>
<tr>
<td>Biology</td>
<td>Math 1050</td>
<td>Chemistry 1010</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Physics</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Dental Assisting</td>
<td>CTE Internships</td>
<td>Earth Science</td>
</tr>
<tr>
<td>ECON 1500</td>
<td></td>
<td>English 1010</td>
</tr>
<tr>
<td>Human Growth/HDFS 1500</td>
<td></td>
<td>Environmental Science</td>
</tr>
<tr>
<td>Intro to EMS</td>
<td></td>
<td>Plant Science 1800</td>
</tr>
<tr>
<td>Intro to Anatomy</td>
<td></td>
<td>Physics</td>
</tr>
<tr>
<td>Medical Terminology</td>
<td></td>
<td>CTE Internships</td>
</tr>
<tr>
<td>Nurse Aide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nutrition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology/1010</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CTE Internships</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
CAREER PATHS: SOCIAL/HUMANITARIAN-CENTERED

While filling their core required classes, students interested in social/humanitarian-centered career paths should select classes that complement their goals, for instance, Social Science classes that are in their area of career interest, other core classes that support the career path, concurrent enrollment and AP classes that relate to the career path.

SOCIAL/HUMANITARIAN CAREER OPTIONS

<table>
<thead>
<tr>
<th>EDUCATION</th>
<th>PERSONAL/CUSTOMER SERVICE</th>
<th>SOCIAL/GOVERNMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Audiologist</td>
<td>Bus Driver</td>
<td>Case Worker</td>
</tr>
<tr>
<td>Classroom Aides</td>
<td>Cashier</td>
<td>Corrections Officer</td>
</tr>
<tr>
<td>Coach</td>
<td>Clergy/Minister</td>
<td>Detective</td>
</tr>
<tr>
<td>Counselor</td>
<td>Cosmetology</td>
<td>FBI Agent</td>
</tr>
<tr>
<td>Day Care</td>
<td>Flight Attendant</td>
<td>Firefighter</td>
</tr>
<tr>
<td>Guidance Counselor</td>
<td>Hotel Management</td>
<td>Guard</td>
</tr>
<tr>
<td>Librarian</td>
<td>Manicurist</td>
<td>Judge</td>
</tr>
<tr>
<td>Music Therapist</td>
<td>Recreation Director</td>
<td>Lawyer</td>
</tr>
<tr>
<td>Principal</td>
<td>Travel Agent</td>
<td>Military Careers</td>
</tr>
<tr>
<td>Special Education</td>
<td>Waiter/Waitress</td>
<td>Occupational Therapist</td>
</tr>
<tr>
<td>Teacher</td>
<td></td>
<td>Paralegal</td>
</tr>
</tbody>
</table>

RECOMMENDED ELECTIVE COURSES IN SUPPORT OF SOCIAL/HUMANITARIAN PATHS

<table>
<thead>
<tr>
<th>EDUCATION</th>
<th>PERSONAL/CUSTOMER SERVICE</th>
<th>SOCIAL/GOVERNMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP English</td>
<td>Biology/AP Biology</td>
<td>American Government</td>
</tr>
<tr>
<td>Child Development/Child Care</td>
<td>Chemistry</td>
<td>AP Statistics</td>
</tr>
<tr>
<td>Debate</td>
<td>Child Development/Child Care</td>
<td>Debate</td>
</tr>
<tr>
<td>English 1010</td>
<td>E-Commerce/Marketing (BTECH)</td>
<td>English 1010</td>
</tr>
<tr>
<td>English 2200</td>
<td>Fashion Strategies</td>
<td>Western Literature</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>Foreign Language</td>
<td>Foreign Language</td>
</tr>
<tr>
<td>Human Growth/HDFS 1500</td>
<td>Human Growth/HDFS 1500</td>
<td>History</td>
</tr>
<tr>
<td>Peer Tutor</td>
<td>Physical Education</td>
<td>Human Growth/HDFS 1500</td>
</tr>
<tr>
<td>Psychology/1010</td>
<td>Psychology/1010</td>
<td>Humanities</td>
</tr>
<tr>
<td>Sociology</td>
<td>Sociology</td>
<td>Psychology/1010</td>
</tr>
<tr>
<td>Western Literature</td>
<td>CTE Internships</td>
<td>Sociology</td>
</tr>
<tr>
<td>CTE Internships</td>
<td></td>
<td>World History</td>
</tr>
</tbody>
</table>


CAREER PATHS: TECHNICAL-CENTERED

While filling their core required classes, students interested in technical-centered career paths should select classes that complement their goals, for instance, Technical classes that are in their area of career interest, other core classes that support the career path, concurrent enrollment and AP classes that relate to the career path.

TECHNICAL CAREER OPTIONS

<table>
<thead>
<tr>
<th>CONSTRUCTION/MA</th>
<th>COMMUNICATIONS/EL</th>
<th>EQUIPMENT OPERATION</th>
<th>SPECIALTY SERVICES</th>
</tr>
</thead>
<tbody>
<tr>
<td>MANUFACTURING</td>
<td>ELECTRONICS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Architect</td>
<td>Audio/Video Special</td>
<td>Airline Ground Support</td>
<td>Baker</td>
</tr>
<tr>
<td>Assembly Line</td>
<td>Communications Tech</td>
<td>Auto Mechanic</td>
<td>Cartographer</td>
</tr>
<tr>
<td>Brick Mason</td>
<td>Computer Engineer</td>
<td>Auto Body Repair</td>
<td>Chef</td>
</tr>
<tr>
<td>Cabinetry</td>
<td>Electronic Repair</td>
<td>Delivery Driver</td>
<td>Cosmetologist</td>
</tr>
<tr>
<td>Carpenter</td>
<td>Fiber Optics Tech</td>
<td>Diesel Mechanic</td>
<td>Culinary Arts</td>
</tr>
<tr>
<td>Electrician</td>
<td>Network System Eng.</td>
<td>Forklift Operator</td>
<td>Custodian</td>
</tr>
<tr>
<td>Heating/Air Cond.</td>
<td>Network System Mgr.</td>
<td>Pilot</td>
<td>Locksmith</td>
</tr>
<tr>
<td>Machinist</td>
<td>Systems Analyst</td>
<td>Road Construction</td>
<td>Meat Cutter</td>
</tr>
<tr>
<td>Painter</td>
<td>Video Tech</td>
<td>Small Engine</td>
<td>Pest Control</td>
</tr>
<tr>
<td>Plumber</td>
<td>Web Designer</td>
<td>Mechanic</td>
<td>Seamstress</td>
</tr>
<tr>
<td>Welder</td>
<td>Web Manager</td>
<td>Truck Driver</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Welder</td>
<td></td>
</tr>
</tbody>
</table>

RECOMMENDED ELECTIVE COURSES IN SUPPORT OF TECHNICAL PATHS

<table>
<thead>
<tr>
<th>CONSTRUCTION/ MANUFACTURING</th>
<th>COMMUNICATIONS/EL ELECTRONICS</th>
<th>EQUIPMENT OPERATION</th>
<th>SPECIALTY SERVICES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building Const. BTECH</td>
<td>Business Comm.</td>
<td>AG Systems 1</td>
<td>AG Systems 1</td>
</tr>
<tr>
<td>Diesel BTECH</td>
<td>Web Page Design</td>
<td>AG Systems 2</td>
<td>AG Systems 2</td>
</tr>
<tr>
<td>CAD Mech. Design 1</td>
<td>Electronics 1</td>
<td>Auto Collision BTECH</td>
<td>Designer Sewing 1</td>
</tr>
<tr>
<td>CAD Arch. Design 2</td>
<td>Electronics 2</td>
<td>Auto Mechanics BTECH</td>
<td>Designer Sewing 2</td>
</tr>
<tr>
<td>Physics</td>
<td>Journalism</td>
<td>Diesel BTECH</td>
<td>Cosmetology BTECH</td>
</tr>
<tr>
<td>collet</td>
<td>Yearbook</td>
<td>Machine Shop BTECH</td>
<td>Foods &amp; Nutrition 1</td>
</tr>
<tr>
<td>Furniture Design</td>
<td>Light and Sound</td>
<td>Physics</td>
<td>Dietetics and Nutrition 1</td>
</tr>
<tr>
<td>CTE Internships</td>
<td>Multi Media Design/Pro BTECH</td>
<td>CTE Internships</td>
<td>Culinary Arts BTECH</td>
</tr>
<tr>
<td></td>
<td>PC Repair BTECH</td>
<td></td>
<td>CAD Mechanical Design 1</td>
</tr>
<tr>
<td></td>
<td>Digital Photo 1</td>
<td></td>
<td>CAD Architectural Design 2</td>
</tr>
<tr>
<td></td>
<td>Digital Photo 2</td>
<td></td>
<td>Fashion Design Studio</td>
</tr>
<tr>
<td></td>
<td>Physics</td>
<td></td>
<td>Machine Shop BTECH</td>
</tr>
<tr>
<td></td>
<td>Video/Tech Prod.</td>
<td></td>
<td>Meat Cutting BTECH</td>
</tr>
<tr>
<td></td>
<td>CTE Internships</td>
<td></td>
<td>CTE Internships</td>
</tr>
</tbody>
</table>
PLANNING HIGH SCHOOL COURSEWORK TO SUPPORT POST-HIGH SCHOOL PLAN

One of the major purposes of a high school education is to prepare for further educational training, either at a college/university or at a technical training center. Many of those advanced training schools require high school coursework beyond that required for a high school diploma. Students planning on advanced training after high school should make sure they have not only met graduation requirements, but have also met the increased requirements of their post-high school training institution. This is particularly true for student athletes who must fulfill NCAA requirements that are far beyond graduation requirements.

RECOMMENDATIONS FOR TECHNICAL TRAINING

We are fortunate to have a number of technical training centers close in or near Cache Valley. Bridgerland Technical College, Utah State University, Weber State University, are just a few schools where advanced technical training can be received. Regardless of where the technical training is to be received, most technical schools expect that entering students have good academic preparation, with minimum levels of course work as follows:

Math: Math 3 proficiency or above
English: 4 credits minimum, with strong need for speech and writing skills
Science: 3 credits recommended (Life, Physical, and Elective recommended)
Technology: MCHS offers a wide variety of computer/technology courses. Students should select from the courses that relate to the student’s chosen area of future study.

TECHNICAL CLASSES AT BTECH

Bridgerland Technical College offers most of its courses to high school students. Students may enroll in these courses at no cost. Transportation to and from Bridgerland is provided by MCHS. Classes are available all hours of the day, and are offered in two blocks of time: 1st and Flex periods, 2nd and 3rd, or 4th and 5th periods. In order to register for a BTECH class, A STUDENT MUST BE A JUNIOR OR SENIOR. Students should contact their counselor for the form. Students must fill out the high school application and register at my.btech.edu for each class they are taking at BTECH. This is a first-come-first-serve basis to reserve their seat in the class.
RECOMMENDATIONS FOR COLLEGE-BOUND STUDENTS

Colleges and universities require solid academic training of all admitted students. Basically, Utah colleges and universities expect that, in addition to meeting graduation requirements, enrolling freshmen will have completed the following minimum courses:

Four years of English, including 4th year writing
Four years of Math, at least through Secondary Math 3 and beyond
Three years of Science – 2 Core plus Elective Science
Two years of a Foreign Language

Through Concurrent Enrollment courses and through Advanced Placement courses, students are provided many courses which satisfy not only high school class requirements, but which also can qualify for college/university credits. Students planning for college/university training should enroll in as many concurrent enrollment or advanced placement classes as possible, not only because the cost is a fraction of the cost at a college or university, but also because those same classes are difficult to enroll in at colleges or universities.
If you plan on competing in any college sport you must register with the NCAA Clearinghouse. You must take certain core academic classes each year of high school. If you do not meet these strict NCAA requirements, you may lose eligibility and not be allowed to compete in college athletics. Talk to your counselor immediately or go to [www.eligibilitycenter.org](http://www.eligibilitycenter.org) for more information. These are the approved courses for Mountain Crest.

<table>
<thead>
<tr>
<th>English</th>
<th>Mathematics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Creative Writing/ Advance Creative Writing</td>
<td>Secondary Math 1</td>
</tr>
<tr>
<td>English 9</td>
<td>Secondary Math 1 Plus</td>
</tr>
<tr>
<td>English 10</td>
<td>Secondary Math 2</td>
</tr>
<tr>
<td>English 11 Lit</td>
<td>Secondary Math 2 Plus</td>
</tr>
<tr>
<td>English 11 Writing</td>
<td>College Prep Math AB</td>
</tr>
<tr>
<td>English 1010</td>
<td>Secondary Math 3</td>
</tr>
<tr>
<td>English 2200</td>
<td>Secondary Math 3 Plus</td>
</tr>
<tr>
<td>English/AP</td>
<td>Calculus AB/AP</td>
</tr>
<tr>
<td>English/AP (3rd Trimester)</td>
<td>Calculus AB/AP (3rd Trimester)</td>
</tr>
<tr>
<td>Humanities</td>
<td>Calculus BC/AP</td>
</tr>
<tr>
<td>Journalism (.5 unit max – 1st Trimester Only)</td>
<td>Calculus BC/AP (3rd Trimester)</td>
</tr>
<tr>
<td>Mythology</td>
<td>Math 1050</td>
</tr>
<tr>
<td>Res English 9-12</td>
<td>Math 1060</td>
</tr>
<tr>
<td>Sci/Fi</td>
<td>Precalculus</td>
</tr>
<tr>
<td>Sports Lit and Film</td>
<td>Res Math 1</td>
</tr>
<tr>
<td>Western Literature</td>
<td>Res Math 2</td>
</tr>
<tr>
<td>Secondary Math 1</td>
<td>Statistics 1040/ AP Statistics</td>
</tr>
<tr>
<td>Secondary Math 1 Plus</td>
<td></td>
</tr>
<tr>
<td>Secondary Math 2</td>
<td></td>
</tr>
<tr>
<td>Secondary Math 2 Plus</td>
<td></td>
</tr>
<tr>
<td>Secondary Math 3</td>
<td></td>
</tr>
<tr>
<td>Secondary Math 3 Plus</td>
<td></td>
</tr>
<tr>
<td>Calculus AB/AP</td>
<td></td>
</tr>
<tr>
<td>Calculus AB/AP (3rd Trimester)</td>
<td></td>
</tr>
<tr>
<td>Calculus BC/AP</td>
<td></td>
</tr>
<tr>
<td>Calculus BC/AP (3rd Trimester)</td>
<td></td>
</tr>
<tr>
<td>Math 1050</td>
<td></td>
</tr>
<tr>
<td>Math 1060</td>
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</tr>
<tr>
<td>Precalculus</td>
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</tr>
<tr>
<td>Res Math 1</td>
<td></td>
</tr>
<tr>
<td>Res Math 2</td>
<td></td>
</tr>
<tr>
<td>Statistics 1040/ AP Statistics</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Social Science</th>
<th>Natural/Physical Science</th>
<th>Lab</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Government</td>
<td>Astronomy</td>
<td>X</td>
</tr>
<tr>
<td>Ancient World History</td>
<td>Bio-Agricultural Science</td>
<td></td>
</tr>
<tr>
<td>Current Issues</td>
<td>Biology</td>
<td>X</td>
</tr>
<tr>
<td>ECON 1500</td>
<td>Biology 1010</td>
<td></td>
</tr>
<tr>
<td>European History/AP</td>
<td>Biology/AP</td>
<td>X</td>
</tr>
<tr>
<td>European History/AP (3rd Trimester)</td>
<td>Biology/AP (3rd Trimester)</td>
<td>X</td>
</tr>
<tr>
<td>Govt/Law/AP</td>
<td>Botany</td>
<td>X</td>
</tr>
<tr>
<td>H/Growth HDFS 1500</td>
<td>Chemistry</td>
<td>X</td>
</tr>
<tr>
<td>Humanities</td>
<td>Chemistry 1010</td>
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</tr>
<tr>
<td>Modern World History</td>
<td>Chemistry/AP</td>
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</tr>
<tr>
<td>Psychology</td>
<td>Chemistry/AP (3rd Trimester)</td>
<td>X</td>
</tr>
<tr>
<td>Psychology 1010</td>
<td>Earth Systems Science</td>
<td>X</td>
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<tr>
<td>Sociology</td>
<td>Env Science</td>
<td>X</td>
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<tr>
<td>US History</td>
<td>Env Science/AP</td>
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<td>Medical Anatomy and Physiology</td>
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<td>US History/AP (3rd Trimester)</td>
<td>Physics</td>
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<td>World Geography</td>
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<tr>
<th>Additional Core Courses</th>
<th>Additional Core Courses</th>
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<tbody>
<tr>
<td>Chinese 1</td>
<td>German 1010</td>
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<tr>
<td>Chinese 2</td>
<td>German 1020</td>
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<td>French 1</td>
<td>Spanish 1010</td>
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<td>French 2</td>
<td>Spanish 1020</td>
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<tr>
<td>German 1</td>
<td>Spanish 1</td>
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<tr>
<td>German 2</td>
<td>Spanish 2</td>
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<td></td>
<td>Spanish 3</td>
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</table>
ADVANCED PLACEMENT CLASSES

Advanced Placement classes are intensive courses available to students who wish to prepare for the AP examinations administered each spring by the College Board. Except for the Studio Art exams, which are portfolio assessments, AP Exams contain multiple-choice questions and a free-response section. Most four-year colleges provide credit for students with qualifying scores. AP classes are full-year classes and require serious academic effort. AP examinations cost approximately $100.00 for each examination. Although AP classes do not have a prerequisite requirement, MCHS highly recommends a student has a Cumulative GPA of 3.0.

The following AP classes may be offered at Mountain Crest:

BIOLOGY
CALCULUS
COMPARATIVE GOVERNMENT & POLITICS
ENGLISH LITERATURE & COMPOSITION
EUROPEAN HISTORY
STATISTICS
US GOVERNMENT & POLITICS
US HISTORY
STUDIO ART
CONCURRENT ENROLLMENT
Prerequisite: Cumulative 3.0 GPA

Concurrent Enrollment are university courses taught at the high school wherein the student received both high school credit and university credit. The content, texts, examinations, and expectations are the same as if the class was taken at the university. In order to participate in Concurrent Enrollment, a student must:

- Maintain a 3.0 high school GPA
- Be a junior or senior, sophomores and freshman are by exception
- Be admitted to each university from which the course is offered and pay the one-time admission fee directly to that university. While the majority of courses offered at our high school are through USU, some are offered through WSU.
- Register each trimester directly with the university from which the course is offered. If you wait more than 12 school days to register, a $100 USU late registration fee will be applied.
- Pay each trimester the $5/credit tuition charge directly to the university from which the course is offered. If you wait more than 12 school days to pay, a $15 USU late payment fee will be applied.

Mountain Crest also receives broadcast courses from USU where the instructor is not physically present at MC. These courses provide additional university offerings that may otherwise not be taught here. Students receive dual credit for high school and college. The grade earned for high school credit is the same grade earned for college credit. A grade of D or F may result in denial of admission into a university. Concurrent enrollment classes are college-level difficulty, and students not interested in that level of work should not register for them. Under Utah’s Board of Regents directive, sophomore students may not register for concurrent enrollment classes. Following are concurrent enrollment classes offered at Mountain Crest.

**USU CONCURRENT ENROLLMENT CLASSES**
- BUSN 1111
- BUSN 2200
- CHEMISTRY 1010
- CS 1030
- CS 1400
- ECON 1500
- ENGLISH 1010
- ENGLISH 2200
- HDFS 1500
- MATH 1050
- MATH 1060
- MUSIC 1010
- NDFS 1020
- FCSE 1040
- FCSE 1350
- PLANT SCIENCE 1800
- POLITICAL SCIENCE 1100
- PSYCHOLOGY 1010
- SPED 1000
- STATS 1040
- THEA 1013
- WESTERN CIVILIZATION/USU 1320

**WSU CONCURRENT ENROLLMENT CLASSES**
- ADV HEALTH SCIENCE 1110, 1111
- MEDICAL TERMINOLOGY 1101
- EXERCISE SCIENCE AT 2175 A/B
EDNET

EdNet classes are electronically broadcast concurrent enrollment courses offered at Mountain Crest via Utah universities’ distance education. These classes offer access to college credit classes that may otherwise not be taught at MC. The same prerequisites for concurrent enrollment apply, including a Cumulative GPA of 3.0. Class offerings vary. Currently the following classes may possibly be offered:

ADV HEALTH SCIENCE 1110, 1111
BIOLOGY 1010
HDFS 1500
GEOLOGY 1060
HISTORY 1700

MUSIC 1010
PSYCHOLOGY 1010
POLITICAL SCIENCE 1100
PHYSICS 1010

USU ONLINE CONCURRENT ENROLLMENT

These classes are offered through Utah State for college credit. They are online, independent study classes. There will not a teacher or classroom at MCHS.

ART 1010
CS 1030
NDFS 1020
LAEP 1030
MUSC 1010
POLS 1100

BIOL 1010
FCSE 1350
HIST 1700
MATH 1050
PHYS 1010

SCHOLARSHIPS

THERE ARE THREE MAIN CATEGORIES OF SCHOLARSHIPS. THEY ARE:

Academic Scholarships: Based solely on your ACT/SAT score and your GPA. Generally, you apply for these scholarships your senior year by submitting an admissions application to a college or university by the priority deadline. Priority deadlines are usually earlier than admissions deadlines, so be aware of when they are for the colleges and universities you are interested in attending.

Departmental Scholarships: These are more specific scholarships for your program of study. If you know what you will be majoring in as a senior, contact that department and ask if they have scholarships for incoming freshman. Note: you may apply for these throughout your college experience!

General Scholarships: Practically anyone or any organization or entity can create a scholarship and set the parameters for who can qualify. This is where you’ll have to sift and dig to find the ones that you might qualify for. There are some great, free websites out there that help you do this. They can be found on the MCHS scholarship website. Keep in mind that you shouldn’t ever have to pay to find scholarships or give out your social security number! Be sure to frequently visit our scholarship website for upcoming scholarship deadlines in all 3 categories. You can also find scholarship application materials, tips and examples, academic scholarship deadlines, college admissions like, and more on this website.
Opportunity Scholarship Track

The Opportunity Scholarship can be used at Dixie State University, Salt Lake Community College, Snow College, Southern Utah University, Utah State University, Utah Valley University, University of Utah, Weber State University and the following private, non-profit institutions in Utah: Brigham Young University (Provo), Ensign College, Westminster College, and Western Governors University.

Students may defer use of the scholarship to attend a technical college that is part of the Utah System of Higher Education and then transfer to an eligible institution listed above.

Requirements:
- Earn a 3.3 cumulative high school GPA
- Complete 3 advanced courses
  - Complete 1 Advanced Placement (AP), International Baccalaureate (IB), or Concurrent Enrollment (CE) course in each of the core areas of high school graduation:
    - math,
    - science, and
    - language arts
- Complete the Free Application for Federal Student Aid (FAFSA)
- Graduate from a Utah high school

Acceptable Classes at Mountain Crest:
- **English**
  - AP English Language A, B, C
  - CE English 1010
  - CE English 2200
- **Mathematics**
  - AP Calculus AB
  - AP Statistics A, B
  - CE Stats 1040
  - CE Math 1050
  - CE Math 1060
- **Science**
  - AP Biology A, B, C
  - CE Chemistry 1010
  - CE Physics 1010*

Award:
Awards will be determined based on available funding and the number of qualified applicants. Individual awards may be used toward the cost of tuition and fees, after other state aid is applied.

Questions?
You can contact the Regents' Scholarship office for more information:
- regentsscholarship@ushe.edu
- (801) 646-4812
- https://ushe.edu/state-scholarships-aid/opportunity-scholarship/

*Not offered every year
USU General Education Requirements
Available at
Mountain Crest High School
3.0 GPA required

<table>
<thead>
<tr>
<th>Competency Requirements</th>
<th>Quantitative Literacy</th>
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</thead>
<tbody>
<tr>
<td><strong>Communications Literacy 1</strong></td>
<td><strong>Choose one:</strong></td>
</tr>
<tr>
<td>Choose one:</td>
<td>o Math 1050</td>
</tr>
<tr>
<td>o ENGL 1010</td>
<td>o AP Calculus (score of 3 or higher)</td>
</tr>
<tr>
<td>o AP English Composition (score of 3 or higher)</td>
<td>o ACT Math test score of 25 or higher</td>
</tr>
<tr>
<td>o ACT English test score of 29 or higher</td>
<td>o STATS 1040</td>
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<thead>
<tr>
<th>Quantitative Intensive (Depth)</th>
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</thead>
<tbody>
<tr>
<td>o AP Statistics</td>
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<table>
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<tr>
<th>Breadth Requirements</th>
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<tbody>
<tr>
<td><strong>Breadth American Institutions</strong></td>
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<tr>
<td>Choose one:</td>
</tr>
<tr>
<td>o ECON 1500</td>
</tr>
<tr>
<td>o POLS 1100</td>
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<tr>
<td>o AP Govt &amp; Politics: US (score of 3 or higher)</td>
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<tr>
<td>o AP US History (score of 3 or higher)</td>
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<tr>
<th><strong>Breadth Creative Arts</strong></th>
<th><strong>Breadth Physical Sciences</strong></th>
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<td>Choose one:</td>
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<tr>
<td>o MUSC 1010</td>
<td>o CHEM 1010</td>
</tr>
<tr>
<td>o AP Studio Art (score of 3 or higher)</td>
<td>o CS 1030</td>
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<tr>
<th><strong>Breadth Humanities</strong></th>
<th><strong>Breadth Social Sciences</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose one:</td>
<td>Choose one:</td>
</tr>
<tr>
<td>o ENGL 2200</td>
<td>o HDFS 1500</td>
</tr>
<tr>
<td>o AP English Literature (score of 3 or higher)</td>
<td>o HDFS 2400</td>
</tr>
<tr>
<td>o AP European History (score of 3 or higher)</td>
<td>o PSY 1010</td>
</tr>
<tr>
<td>o USU 1320 (Humanities)</td>
<td>o AP Govt &amp; Politics: Comp (score of 3 or higher)</td>
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<tr>
<th><strong>Exploratory Breadth</strong></th>
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<tr>
<td>o Choose one additional breadth course from any of the above</td>
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<thead>
<tr>
<th>Non-General Education Elective Credits</th>
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<tbody>
<tr>
<td>Adv Health Science 1110, 1111*</td>
</tr>
<tr>
<td>Exercise Science AT 2175*</td>
</tr>
<tr>
<td>CS 1400</td>
</tr>
</tbody>
</table>

*Weber State University credit, transferable to USU
**Offered through the Ednet System periodically
COLLEGE ENTRANCE EXAM PREPARATION

Most colleges and universities in Utah require an ACT score for admission. The following test are suggested as follow:

**Junior Year:** The PSAT is the pre-SAT and can provide valuable data regarding college readiness to juniors. Additionally, students enter the National Merit Scholarship competition by taking the test, as it is the qualifier for this competition. Fee required (some fee waivers are available to qualifying students). Students sign up at the fee window. Juniors are encouraged to take the ACT 1-2 times during December-June. See below for more info.

**Senior Year:** Seniors should repeat the ACT in September and October to meet early December scholarship deadlines.

Students register for the ACT at [www.actstudent.org](http://www.actstudent.org)

### 2022-2023 NATIONAL ACT TEST DATES

<table>
<thead>
<tr>
<th>Date</th>
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<tbody>
<tr>
<td>June 10, 2023</td>
<td>February 10, 2024</td>
</tr>
<tr>
<td>July 15, 2023</td>
<td>April 6, 2024</td>
</tr>
<tr>
<td>September 9, 2023</td>
<td>June 8, 2024</td>
</tr>
<tr>
<td>October 21, 2023</td>
<td>July 13, 2024</td>
</tr>
<tr>
<td>December 9, 2023</td>
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</tbody>
</table>

The SAT, another college entrance exam not commonly used in Utah, may be required for some institutions. Students may determine test dates and locations for the SAT at: [www.sat.collegeboard.org](http://www.sat.collegeboard.org)
CREDIT RECOVERY AND ACCELERATION OPTIONS

Important Note: For all of the following options, it is important to get approval from your school counselor. Failure to do so may result in the course not counting towards graduation requirements.

CREDIT RECOVERY

Utah Students Connect Summer School (USC)
Cache High Summer School
FLEX Hour for Credit, including BTECH
BTECH Summer School
Credit Recovery

ACCELERATION

BYU Independent Study
FLEX Hour for Credit, including BTECH
BTECH Summer School
Utah Students Connect
Additional Credit

**Please see counselor to discuss which option is best for you.

**Summer BTECH offers 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.
<table>
<thead>
<tr>
<th>Grade</th>
<th>Credit</th>
<th>Course</th>
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<tbody>
<tr>
<td>9</td>
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<td>English 9 (required)</td>
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<tr>
<td>10</td>
<td>1.0</td>
<td>English 10 (required)</td>
</tr>
<tr>
<td>11</td>
<td>.5</td>
<td>English 11 Writing (required)</td>
</tr>
<tr>
<td>11</td>
<td>.5</td>
<td>English 11 Literature (required)</td>
</tr>
<tr>
<td>12</td>
<td>.5</td>
<td>Writing (1010, Creative Writing, AP English, Debate)</td>
</tr>
<tr>
<td>12</td>
<td>.5</td>
<td>Applied or Advanced</td>
</tr>
</tbody>
</table>

**REQUIRED ENGLISH 9 COURSES**

**ENGLISH 9 A & B**

1.0 English credit  
Grade 9  
Course #4078, 4079  
This is a two-trimester class that will include short stories and elements of story writing. This class will also read the novel, *To Kill a Mockingbird*, integrating concepts like character analysis, theme, and historical elements into story writing. Along with reading, students will also look at argumentative paper writing and researching skills, vocabulary and grammar skills, and journaling. Students will also be reading Shakespeare’s *Romeo and Juliet*. It will define poetic devices and focus on poetic elements found within the play. This class will also focus on informational writing and the different text structures associated with relaying information. Students will continue building English skills with daily grammar practice and sentence structure reviews. (NCAA)

**REQUIRED ENGLISH 10 COURSES**

**ENGLISH 10 A & B**

1.0 English credit  
Grade 10  
Course #4095, 4096  
World Literature 10 is a two-trimester course that will introduce you to literature from a diverse group of authors from around the world, both past and present. The course is designed to give students a chance to see and respond to the unifying universal themes found in literature as presented by writers of differing times and backgrounds. This course will also 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. This course will focus on identifying audience and purpose in writing through a variety of writing assignments—creative nonfiction, writing from reading, writing to inform, and writing to persuade. Students will be introduced to MLA documentation and citation. (NCAA)

**REQUIRED ENGLISH 11 COURSES**

**ENGLISH 11 LITERATURE**

.5 English credit  
Grade 11  
Course #4011  
In the Literature 11—American Literature course, students will read, write, think, and learn about important themes of journey and self-discovery through the study of novels, short stories, poetry, nonfiction, and drama. This course counts for .5 required Literature 11 credit and must be taken as an 11th grader. (NCAA)

**ENGLISH 11 WRITING**

.5 English credit  
Grade 11  
Course #4010  
This one-trimester course builds on strategies introduced in Basic Writing and includes ACT preparation and review. 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—technical documents, research projects, and journalistic articles. Students will master MLA documentation and citation through the use of summary, paraphrase and direct quote. This course is required and must be taken as an 11th grader. (NCAA)
ELECTIVE ENGLISH COURSES

**Spanish, German, Chinese and French level 3 or 4 are also considered Elective English Courses.**

AP ENGLISH (LITERATURE AND COMPOSITION/LANGUAGE AND COMPOSITION) A, B, C

1.5 Elective English credit  
Grade 11-12  
Course # 4054, 4055, 4056  
**Prerequisite: 3.0 GPA**

This is a full-year course designed for motivated students who are looking for a challenging, rewarding English course. This course covers material from both the AP Literature and Composition and AP Language and Composition tests. This course encompasses the study of both rhetoric and literature, which includes historical documents (e.g., speeches, letters, and nonfiction texts), novels, dramatic literature, short stories, and poetry from various time periods. Rhetorical and literary analysis, writing, reading, and thinking skills are emphasized. Students can choose to take one or both AP tests. While credit given varies by state and institution, most colleges throughout Utah allot credit as follow for successfully passing the exam:

- AP Language Test: 3 CL1 credits (equivalent to English 1010)
- AP Literature Test: 3 BHU credits (equivalent to English 2020)

$105 fee per AP test. (NCAA)

BUSINESS COMMUNICATIONS

.5 Technical or English credit  
Grade 10-12  
Course #8401

Communication influences all factors of life, and this course is designed to teach various types of practical communication skills. From daily interactions with strangers to the way you present yourself on the job, the way you communicate reflects who you are. This class will provide experience in the many sides of communication including verbal interactions, written communications, nonverbal cues, and using technology to maximize impact.

BUSN 2200

Concurrent Enrollment 3 USU Credits

.5 Technical or English credit  
Grade 11-12  
Course #8547

Concurrent enrollment option of Business Communications.

CREATIVE WRITING

.5 Elective English credit  
Grade 11-12  
Course #4025

This elective, one-trimester class directs students who want additional instruction in writing creative nonfiction, short story and flash fiction, poetry, and script. Students will study the elements of storytelling, including descriptive and figurative language, narrative structure, character development, and setting creation. They will create meaningful plot and sequence and characters with depth and purpose, and explore thematic expression.

ADVANCED CREATIVE WRITING

.5 Elective English credit  
Grade 11-12  
Course #4059  
**Prerequisite: completed Creative Writing**

Advanced Creative Writing is a workshop course designed for students who intend to publish written works. It is a more intensive, deep-dive approach into essential literary elements such as word building, character development, and plot structure, specifically for larger works such as novels. Students will develop their voice and tone as writers through drafting, workshopping, and continual feedback from the instructor and their peers in the course.
DEBATE 1A
.5 Elective English credit    Grade 9-12    Course #4064
This first trimester course will help students develop poise, confidence, awareness of current social problems and issues, and the ability to communicate their ideas clearly and persuasively. The presentation and social skills developed make the class valuable for all career interests. In this class, students learn and compete in several events, such as; impromptu and extemporaneous speaking, oratory, student congress, humorous and dramatic interpretation. Lincoln Douglas debate, Public Forum, and Policy debate. Students enrolled in the course are expected to compete as part of the debate team. Students must meet all competition eligibility requirements, including a minimum 2.0 GPA in the preceding trimester in order to take the class.

DEBATE 1B
.5 Elective English credit    Grade 9-12    Course #4065
This second trimester course provides an extended opportunity for students to hone their speaking and debating skills. This class offers more in-depth research, argument writing, and challenging competition. Students who plan on competing at the state level are expected to take this course. While it is beneficial to take Debate 1A previous to this course, it is not completely necessary. Students enrolled in the course are expected to compete as part of the debate team. Students must meet all competition eligibility requirements, including a minimum of 2.0 GPA in the preceding trimester in order to take this class.

ENGLISH 1010
Concurrent Enrollment 3 USU credits
.5 Elective English credit
**Prerequisite: 3.0 GPA**    Grade 12    Course #4050
English 1010 is a one-trimester academic writing class that will prepare students for writing at the college level. This course engages students in critical reading, thinking, responding, and writing. Students are required to buy their own textbooks, encouraged to spend time before and after school in teacher/students writing conferences, and expected to become familiar with USU writing resources including the library and the writing center. A passing grade (C or higher) will earn 3 USU credits; all grades will become part of the student's permanent college transcript. Only students who are prepared to complete college level research and writing should register. (NCAA).

ENGLISH 2200
Concurrent Enrollment 3 USU credits
.5 Elective English credit
**Prerequisite: 3.0 GPA**    Grade 12    Course #4051
English 2200 is a one-trimester literature class that will prepare students for literary response and analysis at the college level. Students will read both classic and contemporary texts from a variety of periods and cultures. Students will explore the issues and concepts from the literature and make connections according to their knowledge and experience. This course engages students in critical reading, thinking, responding, and applying. Students are required to buy their own textbooks, complete assigned reading and response journals as homework, and actively participate in class discussion. A passing grade (C or higher) will earn 3 USU credits applicable toward breadth humanities at USU or general education at most other universities; all grades will become part of the student's permanent college transcript. Only students who are prepared to engage in college level reading and response should register. (NCAA).
HUMANITIES A, B: Special Topics
.5 Elective English, Soc Studies, or Fine Art credit   Grades 11-12   Course #4026, 4027
A student can choose to take one or more of these classes.  Section A does not have to be taken in order to take Section B.  Interdisciplinary Humanities are a series of classes that integrate the literature, art, music, history, religion, and philosophy of Western civilization.  (Humanities A - NCAA)
Each trimester, a time period is covered:
   Humanities A focuses on Greeks, Romans, and Egyptians.
   Humanities B:  Special Topics focuses on the 20th Century, included but not limited to, WWI and WWII.
Credit earned in this class may be used as a Social Studies or Fine Arts credit.

JOURNALISM - NEWSPAPER A, B, C
.5 – 1.5 Elective credit   Grades 10-12   Course #4040, 4041, 4042
When you take this course, you become a member of the school newspaper staff.  You will learn the skills for online and print reporting.  These skills include:  reporting, broadcasting, photo journalism, video journalism, podcasting, interviewing, sports reporting, and digital and print layout and design.  (NCAA)

JOURNALISM – YEARBOOK A, B, C
.5-1.5 Elective English credit   Grades 11-12   Course #4043, 4044, 4045
This one, two or three trimester class includes ethical reporting, editing, computer layout design, and photography.  Students will be responsible for producing the school yearbook.

MYTHOLOGY (FOLKLORE)
.5 Elective English credit   Grades 11-12   Course #4038
This one-trimester course first overviews the mythology and heroic epics of various cultures, then explores different types of folklore and their manifestations in present-day life.  The class requires minor reading and writing assignments, as well as a heroic epic project and a portfolio of folkloric artifacts.

SPORTS LITERATURE and BROADCASTING
.5 Elective English credit   Grades 11-12   Course #4033
This elective, one trimester course is designed to survey sports in literature, and the relationship of sports to life – as seen through the eyes of contemporary and classic writers.  The class will sample novels, short stories, essays, poetry, and the study of film.  Students will also be required to do a substantial amount of writing and researching.

WESTERN CIVILIZATION/USU1320 (Humanities 1320)
Concurrent Enrollment 3 USU credits
.5 Elective English, Soc Studies or Fine Art Credit   Grades 11-12   Course #4057
In this course, you will get a brief introduction to a few of the many different civilizations that have existed throughout history.  These civilizations will include some from antiquity, some from the modern ages, and some that exist today.  We will look at their “rises” and their “falls”, which is to say, why they grew and expanded in power and also why they lost their power or collapsed as a society all together.  The purpose of our study is to ascertain what factors contribute to either phenomenon.  We will study several factors (geography, economy, demography, military, political structure, etc.) that influence a state’s policy decisions in order to determine how they might contribute to the successes and failures of states.
WESTERN LITERATURE (and FILM)
.5 Elective English credit     Grades 10-12   Course #4031
IT IS NOT ALL ABOUT MOVIES—NOR SHOULD IT BE CALLED AN “EASY” CLASS.
The goal of this class is to deconstruct western literature and film and analyze the history, tropes, people/character, and problems that exist within the genre of Western and then (re)construct a Western of their own making. (NCAA)
The following are the major assignments:
- Analyze two personal reading books (1 the first half of the tri/1 the second half of the tri)
- Timeline
- Western Genre Presentation
- Favorite Western Presentation
- Western Map
- Building the West (a hands-on project)
- Write your own western

SCI/FI FANTASY
.5 Elective English Credit    Grades 9-12    Course #4036
This elective, one-trimester course first gives a chronological overview of science fiction stories while analyzing the relationship between science and humanity. It will then explore works of fantasy, focusing on how the genre employs heroic ideals to reflect on our real world. (NCAA)

WORLD LANGUAGES
¿Habla español?  Sprechen Sie Deutsch?  你看得懂吗？  Parlez-vous français?
Learning a second language will connect you with other cultures, advance your career, and enrich your experiences when you travel the world. Many colleges and universities prefer serious-minded students who have a minimum of two years of study in the same language.
*Students who are interested in attending the University of Utah or BYU must complete at least two years of the same foreign language.
Students who study 3 years of the same language have the option to earn an Academic Letter at MCHS.

FRENCH 1A & 1B
1 Elective Credit     Grades 9-12   Course #4714, 4715
This course is an introduction to the French language and culture. This is an exciting class filled with activities centered on building vocabulary and fluency through listening, speaking, reading, and writing. Students will learn hundreds of vocabulary words, basic sentence structure, and will be able to communicate at a basic level in everyday situations with a goal of reaching a level of Novice-High proficiency. French culture will be studied with classroom activities and discussions. The course is taught primarily in French. $$ (NCAA)
FRENCH 2A & 2B
1 Elective Credit    Grades 10-12    Course #4717, 4718

**Prerequisite: French 1**
Building on the skills gained in French 1, this course will be a continuation of vocabulary and fluency-building. This course is intended to give students a more solid background in language structure and to increase their fluency in speaking, listening, reading and writing. The proficiency goal for Level 2 is Novice-High to Intermediate-Low. Course work and activities are all aimed at improving the skills needed to better function in the French language. The class is taught primarily in French. $$ (NCAA)

FRENCH 3A & 3B
College Credit Preparation
1 Elective credit or Elective English credit    Grades 11-12    Course #4719, 4720

**Prerequisite: French 2**
This is a college preparatory course for the serious French student who has completed French 2. Students will experience a more advanced study of grammar and work on fluency. Reading and free conversation are also emphasized with a goal of Intermediate Proficiency speaking levels. After successful completion of both trimesters of this course, students may take a USU language placement exam, with the option of buying the credits through USU for French 1010, 1020, and more. This class will also count towards 12th grade Elective English credit. (We have had dedicated language students pass up to 16 credits by taking this test). This may result in many university credits for a small fee. $$

FRENCH 4A & 4B
College Credit Preparation
1 Elective credit or Elective English credit    Grades 11-12    Course #4721, 4722

**Prerequisite: French 3**
This is a college preparatory course for the serious French student who has completed French 3. Students will experience a more advanced study of grammar and work on fluency. Reading and free conversation are also emphasized with a goal of intermediate speaking proficiency levels. After successful completion of both trimesters of this course, students may take a USU language placement exam, with the option of buying the credits through USU for French 1010, 1020, and more. This class will also count towards 12th grade Elective English credit. (We have had dedicated language students pass up to 16 credits by taking this test). This may result in many university credits for a small fee. $$

GERMAN 1A & 1B
1 Elective credit    Grades 9-12    Course #4725, 4726
This course is an introduction to the German language and culture. This is an exciting class filled with activities centered on building vocabulary and fluency through listening, speaking, reading, and writing. Students will learn hundreds of vocabulary words, basic sentence structure and will be able to communicate at a basic level in everyday situations with a goal of Novice-High in proficiency. German culture will be studied with classroom activities and discussions centered on German history and customs, and students will enjoy weekly exposure to literature, music, news, authentic media, and other realia aimed at broadening student understanding of the German-speaking world. $$ (NCAA)
**GERMAN 2A & 2B**
1 Elective credit  
Grades 10-12  
Course #4727, 4728

*Prerequisite: German 1*

Building on the skills gained in German 1, this course will be a continuation of vocabulary and fluency-building. This course is intended to give students a more solid background in language structure and to increase their fluency in speaking, listening, reading and writing. Course work and activities are all aimed at improving the skills needed to better function in the German language. Weekly exposure to literature, music, authentic media, and other realia will continue to build student understanding of the German culture and language. $$ (NCAA)

**MANDARIN CHINESE 1A & 1B**
1 Elective Credit  
Grades 9-12  
Course #4757, 4758

This course will be focused on conversation Mandarin Chinese for students who have no or limited fluency. The course will look at pronunciation, tones, and limited characters. The Pinyin spelling system, used to transcript Chinese characters into the Roman alphabet, is used. The course will also provide information on Chinese culture, history, and customs. $$ (NCAA)

**MANDARIN CHINESE 2A & 2B**
1 Elective Credit  
Grades 10-12  
Course #4748, 4749

*Prerequisite: Mandarin Chinese 1*

This course will be a continuation of Mandarin Chinese 1, with an emphasis on reading and writing Chinese characters. It will also provide information on Chinese culture, history, and customs. $$ (NCAA)

**MANDARIN CHINESE 3A & 3B**
1 Elective Credit or Elective English credit  
Grades 11-12  
Course #4766, 4767

*Prerequisite: Mandarin Chinese 1 & 2*

This course will be a continuation of Mandarin Chinese 2 with an emphasis on learning characters and culture through individual reading. $$ (NCAA)

**MANDARIN CHINESE 4A & 4B**
1 Elective Credit or Elective English credit  
Grades 11-12  
Course #4766, 4767

*Prerequisite: Mandarin Chinese 1,2 & 3*

This course will be an intensive reading course designed to enhance Chinese language skills through character and grammar acquisition through individual reading. $$

**SPANISH 1A & 1B**
1 Elective credit  
Grades 9-12  
Course #4704-4705

This course is an introduction to the Spanish language and culture. This is an exciting class filled with activities centered on building vocabulary and fluency through listening, speaking, reading, and writing. Students will learn hundreds of vocabulary words, basic sentence structure and will be able to communicate at a basic level in everyday situations with a goal of Novice High in proficiency. Spanish culture will be studied with classroom activities and discussions centered on Spanish customs. This is a beginning Spanish course. Reading, writing, speaking, and listening are taught. The course is taught primarily in Spanish. $$ (NCAA)
SPANISH 2A & 2B
1 Elective credit Grades 9-12 Course #4706, 4707

Prerequisite: Spanish 1
Building on the skills gained in Spanish 1, this course will be a continuation of vocabulary and fluency-building. This course is intended to give students a more solid background in language structure and to increase their fluency in speaking, listening, reading and writing. The proficiency goal for Level 2 is Novice-High to Intermediate Low. The course is taught primarily in Spanish. $$ (NCAA)

SPANISH 3A & 3B
College Credit Preparation
1 Elective credit or Elective English credit Grades 11-12 Course #4708, 4709

Prerequisite: Spanish 2
This is a college preparatory course for the serious Spanish student. Students will experience a more advanced study of grammar and work on fluency with a goal of Intermediate proficiency speaking levels. Reading and free conversation are also emphasized. After successful completion of both trimesters of this course, students may take a USU language placement exam, with the option of buying the credits through USU for Spanish 1010, 1020 and more. This class will also count towards 12th grade Elective English credit. (We have had dedicated language students pass up to 16 credits by taking this test.) This may result in many university credits for a small fee. $$ (NCAA)

SPANISH 4A & 4B
1 Elective credit or Elective English credit Grades 11-12 Course #4710, 4711

Prerequisite: Spanish 3
This course will prepare students to demonstrate more proficiency in speaking and will enable them to earn more college credits. Students will experience a more advanced study of grammar and work on fluency. Reading and free conversation are also emphasized. After successful completion of both trimesters of this course, students may take a USU language placement exam, with the option of buying the credits through USU for Spanish 1010, 1020 and more. This class will also count towards 12th grade Elective English credit. (We have had dedicated language students pass up to 16 credits by taking this test.) This may result in many university credits for a small fee. $$ (NCAA)

SOCIAL STUDIES

The Social Studies Department offers social studies required and elective courses to broaden a student’s knowledge of country and self. Three credits of Social Studies courses are required for students to graduate. Students should adopt the following program:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Credit</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>.5</td>
<td>World Geography 9</td>
</tr>
<tr>
<td>9-10</td>
<td>.5</td>
<td>Ancient World History, or</td>
</tr>
<tr>
<td>9-12</td>
<td>.5</td>
<td>Modern World History, or</td>
</tr>
<tr>
<td>10</td>
<td>1.5</td>
<td>AP European History</td>
</tr>
<tr>
<td>11</td>
<td>1.0/1.5</td>
<td>US History (1 credit) or AP US History (1.5 credits)</td>
</tr>
<tr>
<td>12</td>
<td>.5/1.0</td>
<td>American Government (.5 credit) or AP US Govt &amp; Politics (1 credits)</td>
</tr>
<tr>
<td>9-12</td>
<td>.5</td>
<td>Social Studies Elective</td>
</tr>
</tbody>
</table>
GEOGRAPHY REQUIREMENT

WORLD GEOGRAPHY
.5 Geography credit  Grade 9  Course #6003
World Geography is designed to introduce students to the world of geographic study. This course will focus on the study of where things are located, why things are located in particular places, and how these places influence our lives. These questions will be answered by emphasizing five geographical themes: location, place, interaction, movement, and regions. All materials and themes throughout the course will be supplemented with current events.

WORLD HISTORY REQUIREMENT

*The following can be taken for the World History Requirement. The * designates the recommended grade to be taken.

AP EUROPEAN HISTORY A, B, C
.5 required World History credit and 1 Elective Soc Studies credit  Grade 10*, 11-12  Course #6007, 6008, 6009
This class requires enrollment for all three trimesters. Qualified sophomores are encouraged to enroll. It is intensive, but sophomore students who are willing to put forth the effort are capable of meeting the curriculum requirements and receiving college credit. The goals of the class are to develop an understanding of principal themes in modern European history, an ability to analyze historical evidence, and an ability to analyze and express historical understanding in writing. Students may gain 8 semester hours of credit when they pass the AP European Test in the sprint (approx. $100 test fee). Universities all over the United States will accept this credit depending on the student’s score. This course will satisfy the Ancient World History and Modern World History requirements, plus offer an additional elective credit. Students have the additional experience of participating in a Model UN Conference ($20 delegate fee). *Grade 10 recommended.

ANCIENT WORLD HISTORY
.5 Ancient History credit  Grade 9*-10*; 11-12  Course #6005
Ancient World History addresses events and cultures in world history beginning with early humans (250,000 B.C.) and continuing through the Medieval World (A.D 1500). Civilizations studied include Mesopotamia, Egypt, India, China, Greece, Africa, Rome and the Americas. Whenever possible, students will be expected to make connections between historically significant events and current issues. These connections are intended to add personal relevance and deepen students’ understanding of the world today.

MODERN WORLD HISTORY
.5 World History credit  Grades 9-12  Course #6006
Students will study world history from the Renaissance to the 21st century. 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. (NCAA)

US STUDIES REQUIREMENT

AP US HISTORY A, B, C
1 required U.S Studies credit and .5 elective Soc Studies credit  Grade 11-12  Course #6014, 6015, 6016
This advanced-learning class requires enrollment for all three trimesters. Students will gain a great deal of knowledge about United States History as well as become proficient at reading and persuasive writing. They will become more interested about what is currently happening in the United States because they will understand the past and America’s unfolding story. This course satisfies the state US Studies requirement of 1 year and an additional .5 elective credit. Students may gain 6 semester hours of credit when they pass the AP American History Test in the spring ($100 test fee). Universities all over the United States will accept this credit dependent on the student’s score. (NCAA)
US HISTORY A, B
1 required U.S Studies credit Grade 11 Course #6010, 6011
Divided between two trimesters, this class devotes attention to economic, social, and political developments in the United States History. It also develops an understanding of the Constitution of the United States, our legal system, and an appreciation of ethical considerations supported by American society. It identifies ways to solve problems, make decisions, and participate as an effective citizen of the United States. This course is required by the State of Utah for all 11th grade students. (NCAA)

AMERICAN GOVERNMENT REQUIREMENT

AMERICAN GOVERNMENT
.5 required Am.Gov. credit Grade 12 Course #6024
Students in this course will study the philosophies of government and law, the Constitution and Bill of Rights, the American political and legal systems, and the responsibilities of citizenship. The course will provide application of knowledge in the areas of law, justice, rights, and governmental functions to encourage participation in the governing of our nation. Emphasis will be given to ways the student can become an active, concerned, and knowledgeable citizen. (NCAA)

AP US GOVERNMENT AND POLITICS (A and B)
.5 required Am. Gov. credit and .5 elective Soc Studies credit Grades 11-12 Course #6032, 6033
This two-trimester course is designed to give students a critical perspective on politics and government in the United States as well as gain an appreciation for our form of government. Students will hear both sides of major crises facing our country and the world. In May, students may take the AP test for the opportunity to earn college credit.

AP COMPARATIVE GOVERNMENT AND POLITICS (A and B)
1 elective Soc Studies credit Grades 11-12 Course #6017, 6018
Prerequisite: Must be in AP US Government and Politics
This two-trimester course is designed to help students understand other government systems and concepts, including studying the governments of the United Kingdom, Iran, Russia, China, Nigeria, and Mexico. Through this course, students will receive a more thorough understanding of how government works and how governments around the world impact the United States and international politics. In May, students may take the AP test for the opportunity to earn college credit.

ELECTIVE SOCIAL STUDIES COURSES

CURRENT ISSUES
.5 Elective Soc Studies credit Grades 10-12 Course #6031
Students will use current issues to think and reason more clearly without bias. Critical thinking and problem solving will be emphasized as tools for solving problems. Students will be trained to make sound judgements, defend their beliefs and avoid inconsistency, generalizations and fallacies. (NCAA)
ECONOMICS 1500
Concurrent Enrollment 3 USU credits
.5 Technical or Social Studies elective credit Grades 11-12 Course #6051

Prerequisite: 3.0 GPA
This class fulfills one of the American Institutions general education breadth requirements at USU. This course is a prerequisite for many other higher-level courses and is required for ALL business majors at USU. Economic relationships between individuals, businesses, and government will be studied. This class will also analyze major economic institutions, consumer markets, business organizations, money and banking, domestic and international trade, and taxation. Concurrent Enrollment fees apply. (NCAA)

HDFS 1500 HUMAN GROWTH AND DEVELOPMENT
Concurrent Enrollment 3 USU credits
.5 Technical credit and Social Studies elective credit Grades 11-12 Course #8106

Prerequisite: 3.0 GPA
This course is an overview of human development from conception through late adulthood, focusing on biosocial, cognitive, and psychosocial development throughout the lifespan. HDFS 1500 is an approved Social Science General Education course at USU. Concurrent Enrollment fees apply. (NCAA)

HDFS 2400 MARRIAGE AND FAMILY RELATIONSHIPS
Concurrent Enrollment 3 USU credits
.5 Technical credit and Social Studies elective credit Grades 11-12 Course #8121

Prerequisite: 3.0 GPA
Students will learn basic concepts and approaches in the study of marriage and the family and those concepts to their own lives. Students will better understand what they personally want in his/her future family and relationship experiences. Class concepts include: dating, communication, marriage, parenting, and conflict resolution. Concurrent Enrollment fees apply.

HISTORY 1700
Concurrent Enrollment 3 USU credits
.5 Elective Soc Studies credit Grades 11-12 Course #6012

Prerequisite: must have taken US History A & B
This course teaches the fundamentals of American Civilization. Covers history, political system, and economic institutions of the US. Fulfills the American Institutions requirement at USU.

HUMANITIES A, B: Special Topics
.5 Elective English, Soc Studies, or Fine Art credit Grades 11-12 Course #4026, 4027

A student can choose to take one or more of these classes. Section A does not have to be taken in order to take Section B. Interdisciplinary Humanities are a series of classes that integrate the literature, art, music, history, religion, and philosophy of Western civilization. (NCAA)
Each trimester, a time period is covered:
   Humanities A focuses on Greeks, Romans, and Egyptians.
   Humanities B: Special Topics focuses on the 20th Century, included but not limited to, WWI and WWII.
Credit earned in this class may be used as a Social Studies or Fine Art credit.
POLITICAL SCIENCE 1100
Concurrent Enrollment 3 USU credits
.5 Required Social Studies (American Gov) Grades 11-12 Course #6025
Through this course, students will analyze how the institutions, procedures, and practices of government impact the lives of those living within the United States. Units in this course will cover the Foundation of the US Constitution, Branches of Government, Political Participation, and Civil Rights/Civil Liberties. Students will be expected to critically think about the form and function of government in our daily lives, and be respectful of the variety of perspectives there are on these issues. Please remember that this class is the equivalent of a first year university course and students will be expected to work and behave accordingly.

PSYCHOLOGY
.5 Elective Soc Studies credit Grades 11-12 Course #6020
This course will introduce the student to the study of parapsychology, learning, personality, intelligence, frustration, coping mechanisms, and abnormal psychology. At the completion, students should have a better understanding of their own and other people’s behavior. (NCAA)

PSYCHOLOGY 1010
Concurrent Enrollment 3 USU credits
.5 Elective Soc Studies credit Grades 11-12 Course #6052
Prerequisite: 3.0 GPA
This college course may be delivered via EdNet and introduces the student to the study of human psychology. The course explores the basic areas of psychology and how each explains human thought and behavior at the individual, familial, and cultural levels. Upon successful completion of this course, the student will earn 3 semester credits on a USU transcript. (NCAA)

SOCIOLOGY
.5 Elective Soc Studies credit Grades 11-12 Course #6021
Sociology offers a study of human relationships in society. It will help students to better analyze society and everyday events through the sociological perspective, to increase their social knowledge, and to develop critical thinking skills. Major subject areas include social groups, crime, marriage, poverty, social stratification, American society, aging, cultural variation, family, mass media, collective behavior, deviance, discrimination, etc. (NCAA)

WESTERN CIVILIZATION/USU1320 (Humanities 1320)
Concurrent Enrollment 3 USU credits
.5 Elective English, Soc Studies or Fine Art Credit Grades 11-12 Course #4057
In this course, you will get a brief introduction to a few of the many different civilizations that have existed throughout history. These civilizations will include some from antiquity, some from the modern ages, and some that exist today. We will look at their “rises” and their “falls”, which is to say, why they grew and expanded in power and also why they lost their power or collapsed as a society all together. The purpose of our study is to ascertain what factors contribute to either phenomenon. We will study several factors (geography, economy, demography, military, political structure, etc.) that influence a state’s policy decisions in order to determine how they might contribute to the successes and failures of states.
MATHEMATICS

<table>
<thead>
<tr>
<th>Grade</th>
<th>Option 1 Regular</th>
<th>Option 2 Extended</th>
<th>Option 3 Extended Accelerated</th>
</tr>
</thead>
<tbody>
<tr>
<td>9th</td>
<td>Secondary Math 1</td>
<td>Secondary Math 1 – Extended</td>
<td>Secondary Math 1 – Extended</td>
</tr>
<tr>
<td>11th</td>
<td>Secondary Math 3 or an Applied Course with Parental consent</td>
<td>Secondary Math 3 – Extended</td>
<td>AP Calculus and/or AP Statistics</td>
</tr>
<tr>
<td>12th</td>
<td>Any Advanced or Applied Course (except AP Calculus)</td>
<td>Any Advanced or Applied course, preferably AP Calculus or AP Statistics</td>
<td>AP Calculus or AP Statistics (whichever one you didn’t take your 11th grade year)</td>
</tr>
</tbody>
</table>

FOUNDATION CLASSES

SECONDARY MATH 1A, B, C
1 Math credit Grade 9 Course #5303, 5304, 5305
The fundamental purpose of mathematics 1 is to formalize and extend the mathematics that students learned in the middle grades. The critical areas deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomena, and in part by applying linear models to data that exhibit a linear trend. Mathematics 1 uses properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge from prior grades. The final unit in the course ties together the algebraic and geometric ideas studied. (NCAA)

SECONDARY MATH 1 – PLUS A&B
1 Math credit Grade 9 Course #5344, 5345
Extended math students will be introduced to matrices, vectors and logic in additional to all that is covered in Secondary Math 1. (NCAA)

SECONDARY MATH 2A, B, C
1 Math credit Grade 10 Course #5306, 5307, 5308
Prerequisite: Secondary Math 1
Students in Secondary Mathematics 2 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. (NCAA)

SECONDARY MATH 2 – PLUS A&B
1 Math credit Grade 10 Course #5347, 5348
Prerequisite: Secondary Math 1 – Plus
Extended math students will represent complex numbers and their operation on the complex plane, solve systems of equations, prove and apply trigonometric identities, express conic sections algebraically, and solve problems using volume measurements, in additional to all that is listed in Secondary Math 2. (NCAA)
SECONDARY MATH 3A, B
1 Math credit          Grade 11          Course 5309, 5310

Prerequisite: Secondary Math 2
Students will put together and apply the accumulation of learning they have from previous courses. They will apply methods from probability and statistics to draw inferences and conclusions from data, expand their repertoire of functions to include polynomial, rational, and radical functions, expand their study of trigonometry to include general triangles, and use functions and geometry to create models and solve contextual problems. (NCAA)

SECONDARY MATH 3 – PLUS A&B
1 Math credit          Grade 11          Course #5349, 5350

Prerequisite: Secondary Math 2 – Plus
Extended math students will use logarithmic and trigonometric functions using the unit circle, and prove trigonometric identities, in addition to all that is listed in Secondary Math 3. Students completing Secondary Mathematics 1, 2, and 3 – Honors will be prepared to enroll directly into Calculus. (NCAA)

SECONDARY MATH 3 – PLUS (BLOCKED) A&B
1 Math credit          Grade 10          Course # 5353, 5354

Prerequisite: Secondary Math 2 – Plus
This course is an ACCELERATED method of teaching Secondary Math 3 – Plus. Students who have taken Secondary Math 2 – Extended 1st and 2nd trimesters of their 10th grade year and then their 3rd trimester of the same year they will take the Secondary Math 3 – Extended (blocked). The Blocked course will be offered two hours in a row and will cover the entire Math 3 course in one trimester. This will allow students to take AP Calculus and AP Statistics in different school years. Only students who plan to take both AP Calculus and AP Statistics in high school should enroll in this course.

ADVANCED COURSES

PRECALCULUS A & B
1 Math credit          Grade 12          Course #5022, 5023

Prerequisite: Secondary Math 3
This course provides a thorough preparation for the study of calculus, and other courses that normally follow pre-calculus. Traditional topics from college algebra, trigonometry, and analytic geometry will be included. Topics include: functions, polynomials, exponents, logarithms, trig functions, circular functions, trig identities, graphing, systems, and analytical geometry. (NCAA)

AP CALCULUS A, B, C
1.5 Math credit         Grades 11-12         Course #5026, 5027, 5028

Prerequisite: Secondary Math 3 – Extended
Calculus is the branch of mathematics that provides methods of solving two classes of problems: (1) Finding the rate at which a variable quantity is changing. (2) Finding a function when its rate of change is given. This course consists of two trimesters of work in calculus and related topics comparable to one semester course in colleges and universities. The third trimester will be devoted to reviewing and preparing students to take the AP Calculus AB exam which is given in May. $105 fee (approximately) for AP test. (NCAA)
AP STATISTICS A, B
1 Math credit Grades 11-12 Course #5030, 5031

Prerequisite: Secondary Math 3-Extended
The purpose of this course is collecting, representing, graphing, and analyzing data. Students should gain appreciation for the value of statistical analysis and not reject the claim because it allows counter examples. You will also learn how to make connections between numerical, algebraic, and graphical representations. Time will be spent preparing students to take the AP Statistics exam which is given in May. $105 fee for AP test. (NCAA)

STATS 1040 PLACEMENT
Students can qualify for placement into Stats 1040 by:
  ● Passing Secondary Math 1, 2 and 3 with a C- average or higher course grade in all three courses.
Or one of the following:
  ● Math ACT score of 19 or higher (taken after January 1, 2020).
  ● Math placement exam – ALEKS score of 30.

STATS 1040
Concurrent Enrollment 3 USU credits
.5 Math credit Grades 11-12 Course #5208

Prerequisite: Math 3
This class is to teach you how to think critically about data, how it was collected and analyzed, and its uses in addressing interesting questions. You will earn basic techniques statisticians use to visualize and summarize data, some methods for determining what can be due to change and what cannot, and the limitations as well as the value of these procedures. Major topics include experimental design, regression, chance, sampling methods and distributions, confidence intervals and hypothesis tests. (NCAA)

MATH 1050/1060 PLACEMENT
Students can qualify for placement into Math 1050/1060 by:
  ● Passing Secondary Math 1, 2 and 3 with a C- average or higher course grade in all three courses.
And one of the following:
  ● Math ACT score of 23 or higher (taken after January 1, 2020).
  ● Math placement exam – ALEKS score of 46 for Math 1050 and ALEKS score of 52 for Math 1060.

MATH 1050
Concurrent Enrollment 4 USU Credits
.5 Math credit Grades 11-12 Course #5024

Prerequisite: See Math 1050/1060 Placement
This is a college level course at a college pace. Students will be expected to purchase a textbook and it is required that they have a graphing calculator (which can be rented from the school). Topics taught will include: graphing, functions – included but not limited to linear, polynomial, rational, exponential, and logarithmic, equations, inequalities, and systems of equations. Upon successful completion, students will earn four semester credits from USU. If a student plans to take Calculus at Mountain Crest, they should not take this class. (NCAA)
MATH 1060
Concurrent Enrollment 2 USU Credits
.5 Math credit   Grades: 11-12   Course #5025

Prerequisite: See Math 1050/1060 Placement
Math 1060 is a college level class. It is required that they have a graphing calculator (which can be rented from the school). The course of study will be trigonometry. Upon successful completion, students will earn two semester credits from USU. If a student plans to take calculus in high school, they should not take this class. This course can be taken concurrently or before Math 1050. Students will be required to purchase a textbook. (NCAA)

APPLIED COURSES

ACCOUNTING 1
.5 Technical or Math credit   Grades 10-12   Course #8364
Accounting is known as the language of business! The accounting procedures and business concepts presented in this course will help prepare students for college, future employment and for handling personal finances. Topics will include the accounting cycle, journalizing and posting transactions, compiling financial statements, payroll systems and cash management. Computerized accounting will be incorporated into the curriculum.

ACCOUNTING 2
.5 Technical or .5 Math credit   Grades 10-12   Course #8365
Have you ever wondered how a company keeps track of their financial accounts? How does a company know if they are financially strong and if they are making money? Develop advanced skills that build upon those acquired in Accounting 1. Learn computerized accounting and the programs associated with it. This course counts for either .5 Technical credit or .5 Math credit.

BUSN 1111 SURVEY OF ACCOUNTING (Accounting 1)
Concurrent Enrollment 3 USU Credits
.5 Technical or .5 Math credit   Grades 11-12   Course #8361
This course is designed for the business student who would like to develop a foundational understanding of accounting procedures or for the individual who is interested in bookkeeping or owning their own business and would like a practical overview of basic accounting and bookkeeping procedures. It is also intended for the non-business student who wants to better understand their own personal finances. Come learn the “Language of Business”!

MATHEMATICS OF PERSONAL FINANCE A & B
1 Math credit   Grades 11-12   Course #5200, 5201
Prerequisite: Secondary Math 2
This course will teach mathematics and personal finance that are essential for students who will assume roles as consumers, money managers and members of a global workforce.

COLLEGE PREP MATH A & B
1 Math credit   Grades 11-12   Course #5206, 5207
Prerequisite: Secondary Math 2
College prep math will bridge the Secondary Math 2 and Secondary Math 3 courses. Topics covered will include: factoring, quadratic functions, logarithms, radical functions, rational functions, series, and gaps individual students have. This class is designed to give students their third math credit so that they can graduate from Mountain Crest. Simultaneously they will be preparing to take Secondary 3 as a senior so that they can enroll in a public Utah University.
**COMPUTER PROGRAMMING I & II**

1 Technology or elective Math credit or Digital Studies    Grades 10-12    Course #8725, 8726

*Suggested Prerequisite: Computer Science Principles*

*Satisfies Utah’s Digital Studies graduation requirement.*

An introductory course in computer programming/software engineering and applications. The course introduces students to the fundamentals of computer programming. Students will learn to design, code, and test their own programs while applying mathematical concepts and higher-level thinking skills. This course requires the use of logic and critical thinking skills.

***Computer Programming II can be taken as CS 1400 through USU. Requirement is to take and pass Computer Programming I and a C or higher.***

**SCIENCE**

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.

*The core credits must be earned before registering for an additional science course.*

<table>
<thead>
<tr>
<th>EARTH SCIENCE</th>
<th>BIOLOGY</th>
</tr>
</thead>
<tbody>
<tr>
<td>● Earth Science (9th grade)</td>
<td>● General Biology</td>
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<td>● Agriculture Biology</td>
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<td></td>
<td>● AP Biology</td>
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<thead>
<tr>
<th>CHEMISTRY</th>
<th>PHYSICS</th>
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<tr>
<td>● General Chemistry</td>
<td>● Physics</td>
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<tr>
<td>● Chemistry 1010</td>
<td>● AP Physics</td>
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**CORE CLASSES**

**AGRICULTURAL BIOLOGY A & B**

1 Core Science or Technical credit    Grades 10-12    Course #8026, 8027

*Prerequisite: Ag Science 1A & 1B*

Agriculture Biology is a core biology class that uses agricultural examples to teach the following biology principles: Cell structure & Function, Mitosis, Plant Anatomy/Physiology, Scientific Process, Genetics, Evolution, Cellular Reproduction, Animal Anatomy/Physiology, Ecosystems. Students interested in animals/agriculture and/or would like to be a member of the FFA should take this Biology class. This class is part of an integral agriculture program. Participation with the FFA Organization is encouraged and taught according to state curriculum. (NCAA)

**AP BIOLOGY A, B, C**

1.5 Core Science Credit    Grades 11-12    Course #3024, 3025, 3026

*Prerequisite: 3.0 GPA, General Biology or Chemistry or Agricultural Biology*

This class is a comprehensive, full-year course in biology for students planning to attend college. Standards and instruction are comparable to a university class. At the end of the year, each student may choose to take the AP examination. A college text is used and the course is basically lecture/discussion in format. $105 fee for AP test. (NCAA)

**BIOLOGY**

1 Core Science credit    Grades 10-12    Course #3010, 3011
**9th grade students may enroll in the Biology course if they have a GPA of 3.0 or higher.**

This course is designed to provide students with activities and experiences in biology through class discussion and activities, lab work, and the reading of text book and other materials. Completion of this course will give the student a sound understanding of the basic biological principles and prepare them for further science instruction. (NCAA)

**CHEMISTRY**

1 Core Science credit

Grades 10-12

Course #3030, 3031

**Prerequisite: Sec Math 1 and a scientific calculator**

Chemistry is designed for all students in particular those students preparing to attend college who have not decided on a career. The objective of this class is to give students a solid understanding of the principles and concepts of an introductory level chemistry class. Topics will emphasize the basic structure of matter and the interactions and reactions it may experience. Passing Chemistry A is a prerequisite for moving on to Chemistry B. This class is a prerequisite for Chemistry 1010 and Biology 1010/AP. (NCAA)

**CHEMISTRY 1010**

Concurrent Enrollment 3 USU credits

.5 Core Science credit

Grades 11-12

Course #3034

**Prerequisite: 3.0 GPA, Secondary Math 1 and Chemistry A&B**

Chemistry 1010 is a general survey class that covers most of the concepts of chemistry that have application to daily solutions. It is recommended as an option for students needing to fill a science requirement for non-science majors. Grades will be mostly from examinations. This class will result in credit and a grade on the student’s permanent college transcript, so only students that are prepared to do college-level work should register for this class. (There is no lab for this class). (NCAA)

**EARTH SCIENCE**

1 Core Science credit

Grade 9

Course #3003, 3004

This class presents us with the “big picture” view of how the systems of land, water, and atmosphere influence life. We also learn how energy acts in each system; and Earth’s place in the solar system. As we understand the connections between the systems, we’ll learn how alterations to one part may affect the others.

**PHYSICS**

1 Core Science

Grades 9-12

Course #3044, 3045

**Prerequisite: Secondary Math 1. Freshmen taking Physics must also be registered for Math 1-Extended, earn A’s and B’s in Math and Science, and have a 3.5 cumulative GPA.**

This is an introductory physics course designed for students interested in how the world around us works and the laws that govern our universe. We will cover basic topics such as motion, momentum, forces, electricity, magnetism, energy heat, light and sound waves. $$ (NCAA)
**ELECTIVE SCIENCE**

**AGRICULTURAL SCIENCE 1A & 1B**
1 Technical or Science elective credit  Grade 9  Course #8028, 8034
This class is especially for freshmen! Students are introduced to all aspects of agriculture including: plants, animals, natural resources, food and opportunities available in FFA. Students will learn about livestock production industries such as beef, sheep, dairy, and swine industries. Learning activities are varied with classroom, laboratory, and field experiences emphasized. This class is part of an integral agriculture program. Participation with the FFA organization is highly encouraged and taught according to state curriculum.

**ANIMAL SCIENCE A & B**
1 Technical credit or Elective Science credit  Grades 10-12  Course #8032, 8033
This is a two-trimester course in which students will learn about a wide range of scientific principles as related to livestock and companion animals. Scientific topics will include: genetics, anatomy, physiology, nutrition, disease, pests, and management practices. Students will be exposed to the various livestock production industries such as beef, sheep, dairy, and swine industries. Learning activities are varied with classroom, laboratory, and field experiences emphasized. This class is part of an integral agriculture program. Participation with the FFA organization is highly encouraged and taught according to the state curriculum.

**ASTRONOMY**
.5 Elective Science credit  Grades 10-12  Course #3054
Investigating the age-old question of “are we alone” in the universe serves as the basis for this course. Students will learn their way around the Northern night sky. Some of the other topics which will be covered are the scale of the universe, telescopes, life cycle and classification of stars, galaxies, and other celestial objects beyond our Solar System. The possibility of time travel and extraterrestrial beings will also be explored as we consider the probability of whether or not we are alone. (NCAA)

**BOTANY**
.5 Elective Science credit  Grades 11-12  Course #3020
This elective science course is designed for any student who has, or would like to have a backyard. In this unique, outdoor course, students will learn Landscape design, construction and maintenance of backyard habitats including water features, native plant identification, selection and propagation, soils, specialty gardens, beneficial insects, weed control, composting, attracting birds and wildlife, and water quality. Students will learn how to incorporate low water use designs and plants in their backyard habitats. (NCAA)

**ELECTRONICS 1**
.5 Technical or Elective Science credit  Grades 9-12  Course #8711
The first in a sequence of courses that prepares individuals to apply technical knowledge and skills to assemble and operate electrical/electronic equipment used in business, industry, and manufacturing. Instruction includes training in safety, electrical theory, parallel & series circuits, Kirchhoff’s Laws, schematic diagrams, electrical components, and soldering.

**ELECTRONICS 2**
.5 Technical or Elective Science credit  Grades 10-12  Course #8712
This course prepares individuals to apply technical knowledge and skills to assemble, install, operate, maintain, and repair electrical/electronic equipment used in business, industry, and manufacturing. The course includes instruction in passive electronic components, passive AC and DC circuits, active discrete circuits, linear integrated circuits, digital integrated circuits, and program and interface microprocessors-based systems.
ENGINEERING PRINCIPLES 1
.5 Technical or Elective Science credit   Grades 9-12   Course #8713
The first in a sequence of “hands on” courses that tie observations and concepts common to a variety of different engineering disciplines in order to develop a better understanding of basic math and science principles used in engineering. By utilizing problem-solving skills in a laboratory environment, students will develop skills and attitudes that impact and expand occupation opportunities in engineering. This is a foundation course in the Engineering Pathway.

ENGINEERING PRINCIPLES 2
.5 Technical or Elective Science credit   Grades 10-12   Course #8714
The second in a sequence of “hands on” courses that tie observations and concepts common to a variety of different engineering disciplines in order to develop a better understanding of basic math and science principles used in engineering. By utilizing problem-solving skills in a laboratory environment, students will develop skills and attitudes that impact and expand occupation opportunities in engineering. This is a foundation course in the Engineering Pathway.

ENVIRONMENTAL SCIENCE A, B
1 Elective Science credit   Grades 11-12   Course #3050, 3051
Prerequisite: General Biology
This course is designed for students who have completed their core science requirements and want to have a greater understanding of the role humans play in the care and management of Earth. The course involves subjects such as world population, alternative energy, natural resources, wildlife, water and air quality, and environmental ethics. Field research will be an integral part of the class and field trips are required. Students interested in the following careers should consider this elective course: journalism, environmental law, environmental engineering, bio remediation, natural resource management, forestry, wildlife, fisheries, biology, land management, game conservation, and waste management. $15 lab fee (NCAA)

MEDICAL ANATOMY/PHYSIOLOGY/TERMINOLOGY
1.0 Technical or Elective Science credit   Grades 11-12   Course # 8331, 8332, 8333
This full-year course provides students with an in-depth study of healthcare careers including actual clinical experience in a variety of areas. Instruction includes intermediate anatomy & physiology, medical terminology, diseases and disorders, medical ethics, and first aid. The class is designed to prepare students for the Advanced Health Science course and/or for a variety of health technology programs. This class has a $10 per trimester fee to cover the cost of handouts and supplies used in class and labs. $$

PLANT SCIENCE CONCURRENT A & PLANT SCIENCE 1800
Concurrent Enrollment 3 USU credits
1.0 Elective Science or Technical credit   Grades 11-12   Course # 8014, 8018
This class will earn 3 credits through USU concurrent enrollment. It satisfies the US Breadth Life Science requirement and fulfills a general education requirement. The class works extensively in the school greenhouse to plant, grow, and market all of the spring bedding plants. Students can expect to learn to identify flowers, propagate plans, understand plant anatomy & physiology, and learn to maintain a home landscape and vegetable garden. This class is part of an integral agriculture program. Participation with the MCHS FFA Organization is encouraged and taught according to state curriculum.
ROBOTICS 1
.5 Technical credit or Elective Science Grades 9-12 Course #8539
The first in a sequence of courses that prepares individuals with a lab-based, hands-on curriculum combining electrical, mechanical and engineering principles. Students will learn to design, build, program, and control robotic devices. A rigorous study and application of electrical concepts will include: sources of energy, electrical safety, use and identification of basic electronic components, sensors and actuators. Engineering concepts will include: mechanical design, prototype development, design testing, programming, and proper engineer documentation.

ROBOTICS 2
.5 Technical credit or Elective Science Grades 9-12 Course #8540
The second in a sequence of courses that prepares individuals with a lab-based, hands-on curriculum combining electrical, mechanical and engineering principles. Students will learn to design, build, program, and control robotic devices. A rigorous study and application of electrical concepts will include: sources of energy, electrical safety, use and identification of basic electronic components, sensors and actuators. Engineering concepts will include: mechanical design, prototype development, design testing, programming, and proper engineer documentation.

VETERINARY ASSISTING A, B
1 Technical credit or Elective Science Grades 11-12 Course #8030, 8031
Prerequisite: Animal Science
This two-trimester course provides the opportunity for students to explore different avenues of the veterinary health profession and learn advanced animal science principles. Students will become familiar with multiple careers within the Veterinary field. Students will be exposed to veterinary science and principles with include anatomy, physiology, chemistry, animal health and disease, dentistry, and laboratory procedures. Students will provide hands-on care as they develop skills in the areas of surgical assisting, bandaging, animal restraint, wound care, oral care, and general nursing care. This class is part of an integral agriculture program. Participation with the FFA Organization is encouraged and taught according to state curriculum.

WILDLIFE BIOLOGY
.5 Elective science credit Grades 10-12 Course #3023
Wildlife biology will focus on the relationship between living things and their environment, with a focus on Utah ecosystems. Topics of study include fish and wildlife interactions related to food webs, carrying capacity, succession, and wildlands management within a broad range of aquatic and terrestrial environments.
HEALTHY LIFESTYLES

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

HEALTH

.5 Health credit Grade 9 Course #7002
Health education is dedicated to teaching high school students the skills they need to establish a healthy and safe lifestyle and enhance behaviors to resist unhealthy choices throughout their lifespan. Health Education will focus on:
- Health Foundations and Protective Factors of Healthy Self
- Mental and Emotional Health
- Safety and Disease Prevention
- Substance Abuse Prevention
- Nutrition
- Human Development

PHYSICAL EDUCATION

Required PE Course

FITNESS FOR LIFE
.5 Core PE credit Grade 9 Course #7005
All students are required to take this class. It cannot be substituted by athletic participation.
Fit for life is an individualized, concepts-based course designed to give students the knowledge and skills necessary to self-assess, create, conduct, evaluate, and redesign personal fitness programs. It is a combination of classroom-based and activity-based learning activities with a focus on students’ mastery of the skills and concepts necessary to becoming independent monitors of their personal lifetime fitness.

Core PE Courses

ATHLETICS (SKILLS)
.5 PE core (one time only per sport) or elective PE credit Grades 9-12 Course # see list below
Prerequisite: Try-out required
This class is for students involved in interschool competitive team sports. Students should sign up for the specific sport in which they are involved:

| 7111 Boys Golf | 7117 Baseball | 7102 Drill Team |
| 7106 Girls Soccer | 7114 Boys Basketball | 7105 Football |
| 7107 Boys Soccer | 7104 Volleyball | 7112 Boys Wrestling |
| 7119 Girls Golf | 7123 Girls Wrestling | 7100, 7101 Cheer |
| 7115 Swimming | 7122 Girls Lacrosse | 7121 Boys Lacrosse |
| 7108 Girls Tennis | 7109 Boys Tennis |
FITNESS ATHLETIC WEIGHTS/CONDITIONING
.5 Core PE credit  Grades 10-12  Course # 7004, 7517, 7518
This is an advanced fit for life type class designed to prepare athletes for their upcoming sports competition. The class will use a variety of methods to improve sports fitness, including: weight training, cardiovascular fitness, pool exercise, speed and agility development, and sports psychology. This is a combination of classroom-based learning and activity-based learning activities with a focus on students’ mastery of the skills and concepts necessary to becoming independent monitors of their personal fitness. First trimester will be for athletes’ grades 10-12 spring athletes and 10-11 fall athletes. Third trimester is for grades 10-11 fall and winter athletes.

FITNESS WEIGHTS – BEGINNING - M
.5 Core PE credit  Grades 9-12  Course #7057
This course provides instruction aimed at improving and maintaining physical fitness and conditioning with emphasis on strength training. The main purpose is to teach the proper techniques in weight training. This is a combination of classroom-based and activity-based learning activities with a focus on students’ mastery of the skills and concepts necessary to becoming independent monitors of their personal lifetime fitness. Those who take this class will build their strength and endurance, improve muscle tone and learn the correct safety measure and use of weights.

FITNESS WEIGHTS – BEGINNING - F
.5 Core PE credit  Grades 9-12  Course #7056
This course provides instruction aimed at improving and maintaining physical fitness and conditioning with emphasis on strength training. The main purpose is to teach the proper techniques in weight training. This is a combination of classroom-based and activity-based learning activities with a focus on students’ mastery of the skills and concepts necessary to becoming independent monitors of their personal lifetime fitness. Those who take this class will build their strength and endurance, improve muscle tone and learn the correct safety measure and use of weights.

FITNESS WEIGHT TRAINING/CONDITIONING (ADVANCED)
.5 Core PE credit  Grades 11-12  Course #7006
Prerequisite: Fitness Weights - Beginning
The main purpose of this class is to teach proper techniques in weight training. Those who take the class will build their strength and endurance, improve muscle tone and learn the correct safety measures and use of weights. Emphasis will be placed on cardiovascular activities such as running, flexibility exercises, and general fitness. $5.00 lab fee.

CHEER
1 Core PE or Fine Art credit  Grades 11-12  Course #7100, 7101
Prerequisite: Try-out
Class is for students selected to represent Mountain Crest as a cheer squad member. Activities will include choreography of cheers, dances, pep rally preparation and game plans. Additional time is required outside of class. $$

DRILL TEAM (CAPRIELLES)
.5 Core PE or Fine Art credit
Prerequisite: Try-out
This class is for all who are members of the Caprielles group. The class involves extensive practice and training in jazz dance, military precision, novelty and prop. Practices will be held often before or after school in addition to regular class hours. Several evenings during the year will be scheduled for performances and competition. $$
LIFETIME SPORT & FITNESS (PE 11/12)  
.5 Core PE credit  
Grades 11-12  
Course #7009  
This course is designed to offer a higher level of proficiency and more in-depth instruction in up to three lifetime activities. The curriculum will emphasize individual or partner-based activities with the goal to improve basic skills, strategies as well as fitness levels. Students will demonstrate the ability to plan and implement different types of personal fitness programs, demonstrate competency in lifetime activities, describe key concepts associated with successful participation in physical activity, model responsible behavior while engaged in physical activity, and fill a need for self-expression, challenge, social interaction and enjoyment.

YOGA  
.5 Core PE credit  
Grades 10-12  
Course #7060  
Do you want to improve your balance, strength, flexibility, cardiovascular, reduce stress levels, improve sleep, stronger bones and muscles, and increase your daily energy levels? This is the class for you!!

Elective PE Courses

SOCIAL DANCE 1  
.5 PE or Fine Art credit  
Grades 9-12  
Course #7017 (F), 7018 (M)  
Learn how to dance with a partner. Students will learn basic figures, technique, and styling for several styles of social dance including Foxtrot, Cha-Cha, Swing, and Waltz. Students will learn the skills they need and gain confidence to be able to lead and follow when dancing with a partner.

SOCIAL DANCE 2  
.5 PE or Fine Art credit  
Grades 10-12  
Course #7019 (F), 7020 (M)  
Prerequisite: successful completion of Social Dance 1  
If you enjoyed beginning social dance and want to learn more and improve your social dance skills, then this is the class for you. This class is designed to help students improve their styling and technique and learn more advanced steps from dances taught in the beginning course including Cha-Cha and Swing as well as new dances including Samba and Night Club Two-Step.

SOCIAL DANCE 3  
.5 PE or Fine Art credit  
Grades 10-12  
Course #7023 (F), 7024 (M)  
Prerequisite: successful completion of Social Dance 1 & 2  
This course is for students that have taken beginning and intermediate social dance and have a desire to learn more and improve their dancing. Students will learn some of the more advanced dances, technique and styling for the following dances: Mambo, Tango, West Coast Swing and the Lindy Hop.

SWIMMING – ADVANCED  
.5 PE credit  
Grades 9-12  
Course #7016  
Prerequisite: Mastery of Beginning Swimming  
Students in this trimester course will acquire skills in a variety of lifetime activities that contribute to sustained fitness and well-being. Students will acquire life guarding skills and certification. These skills and activities offer positive ways to cope with stress and contribute to the quality of life.

SWIMMING – BEGINNING  
.5 PE credit  
Grades 9-12  
Course #7015  
This trimester course will develop participation skills and techniques in a variety of individual activities with emphasis on beginning swimming skills and safety knowledge.
Other Physical Education

CHEER
1 PE or Fine Art credit Grades 11-12 Course #7100, 7101
Prerequisite: Try-out
Class is for students selected to represent Mountain Crest as a cheer squad member. Activities will include choreography of cheers, dances, pep rally preparation and game plans. Additional time is required outside of class. $$

DRILL TEAM (CAPRIELLES)
.5 PE or Fine Art credit Grades 9-12 Course #7102
Prerequisite: Try-out
This class is for all who are members of the Caprielles group. The class involves extensive practice and training in jazz dance, military precision, novelty and prop. Practices will be held often before or after school in addition to regular class hours. Several evenings during the year will be scheduled for performances and competition. $$

FINE ARTS
ART, PAINTING, CERAMICS, BAND, ORCHESTRA, CHOIR, DANCE

One and one-half credit of Fine Arts courses are required for students to graduate. Students may take Fine Arts courses anytime in grades 9-12. Students may also take Fine Arts courses as electives.

ART 1
.5 Fine Art credit Grades 9-12 Course #1101
This beginning art course will introduce students to 2-dimensional art through drawing and design objectives. Still life, portraiture and other life forms will be studied. Students will work with pencil, charcoal, pen and ink, along with other mediums. This course is a prerequisite for many other art courses.

ART 2
.5 Fine Art credit Grades 9-12 Course #1102
Prerequisite: Art 1 or Instructor Approval
Students will experiment and explore new drawing mediums and surfaces while developing compositional devices to improve their artwork. Mediums include, but are not limited to, charcoal, pen and ink, scratchboard, colored pencil, and pastel. This course is designed to develop high level thinking, art related technical skills, art criticism, art history, and aesthetics. A portfolio of student progress will be kept and opportunities to display finished pieces in public facilities, art contest and school shows will also be provided. A positive, creative atmosphere will be maintained with respect for everyone’s artistic efforts.

AP ART A, B, C
1.5 Fine Art credit Grades 11-12 Course #1110, 1111, 1112
Prerequisite: Teacher approval
This course is intended for the self-motivated student who is interested in developing a portfolio of art work designed to receive college credit. An emphasis will be placed on developing concepts, ideas, and individual quality art work. All mediums of drawing and painting are acceptable. $$
CERAMICS 1
.5 Fine Art credit   Grades 9-12   Course #1120
This class will develop various hand building and wheel throwing techniques through creative problem solving. The projects will include both sculptural and function forms made through various processes including pinch, coil, slab and wheel throwing. Students will learn ceramic specific vocabulary and gain knowledge of the glazing and firing process.

CERAMICS 2
.5 Fine Art credit   Grades 9-12   Course #1123
Prerequisite: Ceramics 1
Further study of hand building and wheel throwing techniques are developed in this course. Students will explore larger and more elaborate assignments along with more sophisticated decorating and glazing techniques. More thoughtful ceramic construction will be addressed along with the critiquing process. The study of the masters along with ceramic art history will also be studied.

PAINTING
.5 Fine Art credit   Grades 9-12   Course #1103
Prerequisite: Art 1, Art 2 or Instructor approval
Students will experiment with various techniques and painting methods. All of the assignments are designed to improve technical art skills, promote creative exploration and develop lifelong problem solving and communication skills. We will use painting in a variety of styles and mediums. A portfolio of student progress will be kept and opportunities to display finished pieces in public facilities, art contest and school shows will also be provided.

PRINTMAKING
.5 Fine Art credit   Grades 9-12   Course #1129
Building from art foundations, this class will have application to 2D design principles with a tight focus on line and shape. Students will learn the basics of printmaking by carving stamps to create patterns and images, creating stencils for screen printing on T-shirts, etching into acrylic glass and printing with a press, in addition to using other printmaking processes to create original works of art.

SCULPTURE
.5 Fine Art credit   Grades 9-12   Course #1105
This course is designed to introduce the student to three-dimensional art and forms. Various mediums including clay, paper, silver, and plaster will be used to create projects. This course is great for students that are new to art and that like to work with their hands. Students will study through art history and its influence in the world.

PERFORMING ARTS: MUSIC

BAND-CONCERT (INTERMEDIATE) A, B, C,
1.5 Fine Art credit   Grades 9-12   Course #1003, 1004, 1005
This intermediate-level band course encourages increased technical and expressive musical proficiency through performance and the study of music. Membership is open to anyone desiring to perform on a woodwind or brass instrument. This is a full-year course and students are expected to register for all three trimesters. Pep Band membership is required at football and basketball games and all pep assemblies. Marching band membership is also encouraged. A concert uniform is required for participation. Sectionals, rehearsals, and performances outside of class are part of the course requirement and constitute a portion of the grade. A method book and/or CD may be required.
**BAND-SYMPHONIC (ADVANCED) A, B, C**
1.5 Fine Art credit Grades 9-12 Course #1006, 1007, 1008
This advanced course performs varied, advanced-level music in wind ensemble literature. Membership is by audition according to ability and instrumentation. It consists of mainly seniors and juniors, although other students are admitted if their audition warrants it. This is a full-year course and students are expected to register for all three trimesters. Pep Band membership is required at football and basketball games and all pep assemblies. Marching band membership is encouraged. A concert uniform is required for participation. Sectionals, rehearsals, and performances outside of class time are part of the course requirement and constitute a portion of the grade. A method book and/or CD may be required.

**BAND-PERCUSSION A, B, C**
1.5 Fine Art credit Grades 9-12 Course #1009, 1010, 1011
Membership is open to anyone desiring to perform on a percussion instrument. Emphasis will be on performing advanced percussion solos and ensembles using classical and world percussion instruments. Students are required to register for all three trimesters. Previous instrumental or piano experience is required. Students will perform as a separate ensemble as well as in the percussion section for the band and orchestra ensembles. Pep Band membership is required at football and basketball games and all pep assemblies. Marching band membership is also encouraged. A concert uniform is required for participation. Sectionals, rehearsals, and performances outside of class time are part of the course requirement and constitute a portion of the grade. A method book and/or CD may be required.

**CHOIR – MIXED (SATB) – MIXOLYDIANS- Trimesters A, B, C**
1.5 Fine Art credit Grades 9-12 Course #1045, 1046, 1047
This course is open to all students as designed to enhance the musical, creative, and expressive qualities of participants. This is a class to explore singing, choral music, and basic musical skills. We work on the basics of vocal technique, sight reading, music theory, and music history. Students must come with a desire to sing and perform and will be required to perform in scheduled concerts with opportunities for additional activities and travel. Trimester A – Veterans Day Concerts, Trimester B – Christmas and Winter Concerts, Trimester C is the trimester with our region competitions and the most opportunities for travel. This class requires a music fee. $$

**CHOIR – CHAMBER CHOIR – MAGIC – Three trimesters required.**
1.5 Fine Art credit Grades 11-12 Course # See Mrs. Lamb
_Prerequisite: Audition required and director approval_
This advanced choir of 24-32 singers will be composed of juniors and seniors only and will meet during zero hour daily. Students must audition and must also be a member of another school choir for at least two trimesters during the year. This class is responsible for learning a lot of music quickly. They also have the opportunity to go to All-State Choir. This choir will sing many types of music and perform extensively at school and community events throughout the year. Trimester A – Veterans Day Concerts, Trimester B – Christmas and Winter Concerts and chamber choir region, Trimester C is the trimester with large choir region and state competitions. This class requires a uniform and music fee. $$

**CHOIR – MEN’S CHORUS (TTBB) – MOUNTAIN MEN – B & C**
.5 Fine Art credit Grades 9-12 Course #1058, 1059, 1060
This course is open to Tenors and Basses and is designed to enhance the musical, creative and expressive qualities of participants. We will be stressing how the male voice can be developed and improved through the proper vocal and breathing techniques. This is a class to explore singing, choral music, and basic musical skills. Students must come with a desire to sing and perform and will be required to perform in scheduled concerts with opportunities for additional activities and travel. Trimester B – Christmas and Winter Concerts, Trimester C is the trimester with our region competitions and the most opportunities for travel. This class requires and music fee. $$
CHOIR – TREBLE (SSAA) – MELISMAS - A & C
.5 Fine Art credit     Grades 9-12     Course #1042, 1043, 1044
This course is open to Sopranos and Altos and is designed to enhance the musical, creative and expressive qualities of participants. We will be stressing how the female voice can be developed and improved through proper vocal and breathing techniques. This is a class to explore singing, choral music and basic music skills. Students must come with a desire to sing and perform and will be required to perform in scheduled concerts with opportunities for additional activities and travel. Trimester A – Veterans Day Concerts, Trimester C is the trimester with our region competitions and the most opportunities for travel. This class requires a music fee. $$

BEGINNING GUITAR LEVEL 1
.5 Fine Art credit     Grades 9-12     Course #1024
Beginning guitar is an introductory into guitar basics. Beginning guitar is required for all students before entering into any other level of guitar. If you have no experience or a year or two of guitar, this is the class for you. In beginning guitar we will cover the following: parts of the guitar, tuning, walking the fingerboard with variations, playing with a guitar pick, C Major Scale, E and A Open Minor Pentatonic Scales, 6th string moveable minor pentatonic scale, Open Chords – A, Am, A7, Am7, Bm, B7, C, Cadd9, C7, Cmaj7, D, Dsus, D7, Dadd9, Dm, E, Em, E7, F, G, g7, Open power chords, 12 Barre blues, blues turnarounds in E, note reading on the first 4 strings, guitar tab on all six strings, basic rhythms, common strum patterns, in 4/4 and 3/4 time, guitar accompaniment while singing, basic improvisation, and ensemble playing. This is a one trimester course that gives students a solid foundation into playing the guitar.

BEGINNING GUITAR LEVEL 2
.5 Fine Art credit     Grades 9-12     Course #1025
Prerequisite: Guitar 1 – Beginning guitar or passing an audition with the teacher.
This course picks up right where beginning guitar left off. This course will cover the following items: alternating bass accompaniment, accompaniment while singing, basic finger picking, fingerpicking accompaniment, cross picking, intermediate guitar ensembles, 6th string and 5th string moveable power chords, 6th and 5th string Major, Minor, 7th, Minor 7th Barre chords, 6th and 5th string Major Scales, 6th and 5th string Blues and Minor Pentatonic Scales, basic blues and rock licks and riffs, open power chord variations, more open chords, palm muting, note reading on all six strings.

GUITAR 2 LEVEL 1
.5 Fine Art credit     Grades 10-12     Course #1075
Prerequisite: Guitar 2
This course is for students who are interested in becoming better musicians and have a desire and willingness to become a great guitar player. We will cover; barre chords on the 6th and 5th strings, suspended chords, add nine chords, slash chords, muted strumming, 1st position note reading continued, 5th position note reading, advanced guitar ensembles, dotted notes, 16th notes, tied notes, syncopated rhythms, the 5 box-position minor pentatonic scales, major pentatonic scales, finger style guitar arrangements, song writing and solo guitar playing.

GUITAR 2 LEVEL 2
.5 Fine Art credit     Grades 10-12     Course #1076
Prerequisite: Guitar 2 Level 1
Guitar 4 may be taken only after completing Guitar 3 at Mountain Crest or getting approval from Mr. Putnam. Guitar 4 is open to 10th – 12th graders. This class is for those students who are dedicated and serious about studying guitar. Guitar 4 is a continuation of Guitar 3, only more in depth. We will cover dead-string chords, arpeggios, harmonic minor, and modes. We will also cover the 5-box position minor, pentatonic scales, major pentatonic scales, finger style guitar arrangements, song writing, and solo guitar playing. We will focus on small group ensembles, performing, and producing the best tone quality. There will also be an emphasis placed on improvisational soloing.
ORCHESTRA – CHAMBER A, B, C
1.5 Fine Art credit Grades 10-12 Course #1033, 1034, 1035

Prerequisite: Audition Required and Director Approval

Three trimesters required

This advanced course performs varied, advanced-level music in orchestra literature. Membership is by auditions according to ability and instrumentation. It consists of mainly seniors and juniors, although other students are admitted if their audition warrants it. This is a full-year course and students are expected to register for all three trimesters. Sections, rehearsals and performances outside of class time are part of the course requirements and constitute a portion of the grade. This class requires a uniform, a method book and a class fee. $$

ORCHESTRA – CONCERT A, B, C
1.5 Fine Art credit Grades 9-12 Course #1052, 1053, 1054

This intermediate level orchestra course encourages increased technical and expressive musical proficiency through practice, performance and the study of music. There will be a lot of fun music to learn and play. Membership is open to anyone desiring to perform on an orchestral string instrument. This is a full year course and it is recommended to register for all three trimesters. Sectionals, rehearsals and performances outside of class time are a part of the course requirements and constitute a portion of the grade. Trimester A – Fall Concerts, Trimester B – Christmas and Winter Concerts, Trimester C is the trimester with our region competitions, the POPs concert and the most opportunities for travel. This class requires a uniform, method book and a class fee. $$

OTHER MUSIC

MUSIC 1010
Concurrent Enrollment 3 USU Credits
.5 Fine Art credit Grades 11-12 Course #1062

Prerequisite: 3.0 GPA

This is a course designed for non-music majors to encounter classical music, develop listening skills, and gain an understanding of musical elements, history, and style. Topics of study include: aspects of theory, notation, rhythm, melody, harmony, form, selected composers, important musical works, and the relation of music to history and culture.

SONGWRITING
.5 Fine Art credit Grades 10-12 Course #1060

Prerequisite: Prior music lessons or teacher approval

This class is especially designed for students with prior training or experience in music but is also available to beginners. Students use electronic keyboards/guitar to compose, harmonize and improvise as they create and perform original pop-style songs. Pitch and rhythm reading are practiced, as well as music analysis, lyric writing techniques, and discussions with musicians in the community.

PERFORMING ARTS: THEATRE

THEATRE 1
.5 Fine Art credit Grades 9-12 Course #1083

An introduction to theatre and drama work, including pantomime, storytelling, basic character analysis, monologues/scenes, play analysis and critique, script writing, and design. Students will be instructed in rehearsal techniques, ensemble work, portfolios, writing, and performance.
THEATRE 2
.5 Fine Art credit Grades 9-12 Course #1090

**Prerequisite: Theatre 1**
This course will be a continuation of Theatre 1. Students will continue to develop the basic techniques of acting: movement, voice, sensory and emotional recall, character building and rehearsal techniques. Students will be participating in various performances, learning stage combat, stage make-up, and other techniques that will enhance their performance on stage. Students will also be reading several plays by famous playwrights.

THEATRE 1013
.5 Fine Art Credit Grades 11-12 Course #1086
Concurrent Enrollment 3 USU Credits
Understanding Theatre is a course designed to introduce non-theatre majors to a general survey of dramatic principles and theatrical conventions of many different theatre genres. The major fields of dramatic art are examined through historical perspective, the functions of theatre personnel, and practices of the theatres of the past as well as the contemporary stage. Emphasis is place on the various types and styles of plays, playwrights, elementary theory and practice of acting and directing, scenery and staging techniques, design, lighting, and costuming. $$

MUSICAL THEATRE PRODUCTION
.5 Fine Art credit Grades 9-12 Course #1077
Students MUST audition and be accepted into the cast or crew for the musical to take this course. Rehearsal techniques, character analysis, scene work, production design, singing techniques, and choreography will be covered as students rehearse and prepare for the school musical, culminating in at least 4 live performances at the end of the trimester. $$There is a $30 fee associated with this course.

PLAY PRODUCTION
.5 Fine Art credit Grades 9-12 Course #1088
Students MUST audition for and be accepted into the cast or crew for the play to take this course. Rehearsal techniques, character analysis, scene work, and production design, will be covered as students rehearse and prepare for the school play, culminating in at least 4 live performances at the end of the trimester.

PHOTOGRAPHY/VIDEO

COMMERCIAL PHOTOGRAPHY 1
.5 Fine Art or Technical credit Grades 9-12 Course #8287
This introductory class on photography consists of three to four weeks of classroom instruction followed by eight weeks of taking pictures and working with Adobe Photoshop. This class will give the student a better understanding of film cameras and digital cameras, film and flatbed scanners, printers, lenses, composition, and other phases of photography. The student must have any type of digital camera. There are 15 assignments and several tests associated with this class. Most assignments involve digital retouching and printing. $$

COMMERCIAL PHOTOGRAPHY 2
.5 Fine Art or Technical credit Grades 10-12 Course #8288
**Prerequisite: Commercial Photo 1**
This class is a continuation of theory and technique improvement for the student who desires more depth in digital photography. Commercial Photo 1 is a prerequisite for this class. Composition, control of light, etc. will be heavily stressed. The student must have a digital camera (preferably with adjustable aperture and shutter speeds). There is a limited amount of formal classroom discussion. There will be several assignments involving alternative digital processes. Most work is done in the digital photography lab. $$
VIDEO TECHNOLOGY AND PRODUCTION A & B
1 Fine Art or Technical credit Grades 9-12 Course #8189, 8190
This is a two-trimester activity and academic-oriented course that teaches individuals basic TV broadcasting skills. Students will be involved in the development, design principles, and the production of media with emphasis in video. Instructional activities are centered on the utilization of actual fundamentals learned in video production, including lighting, audio production, directing, editing, and filming. Work ethics and productivity are an integral part of the classroom and lab activities.

OTHER FINE ART CLASSES

FLORICULTURE (Floral Design)
.5 Technical or elective Fine Art credit Grades 10-12 Course #8022
This class lasts one trimester and teaches skills in floral design including making corsages, boutonnieres, bud vases, table arrangements, and introductions to wedding flower constructions and the floral design industry. Students will spend time in the high school greenhouse growing potted flowers and designing container gardens and hanging baskets. This class is part of an integral agriculture program. Participation with the FFA Organization is encouraged and taught according to state curriculum.

HUMANITIES A, B: Special Topics
.5 Elective English, Soc Studies, or Fine Art credit Grades 11-12 Course #4026, 4027
A student can choose to take one or more of these classes. Section A does not have to be taken in order to take Section B. Interdisciplinary Humanities are a series of classes that integrate the literature, art, music, history, religion, and philosophy of Western civilization. (NCAA)
Each trimester, a time period is covered:
Humanities A focuses on Greeks, Romans, and Egyptians.
Humanities B: Special Topics focuses on the 20th Century, included but no limited to, WWI and WWII.
Credit earned in this class may be used as a Social Studies credit.

INTERIOR DESIGN 1
.5 Fine Art or Technical credit Grades 9-12 Course #8131
Interior Design is a great life application class. It is designed to help students understand and apply design and function in their environment. Students will discover their own creative styles. They will learn the elements and principles of design and apply them in the projects in class. Students will assume the role of designer and create interior spaces for a “client” as their final project. $$

SOCIAL DANCE 1
.5 PE or Fine Art credit Grades 9-12 Course #7017 (F), 7018 (M)
Learn how to dance with a partner. Students will learn basic figures, technique, and styling for several styles of social dance including Foxtrot, Cha-Cha, Swing, and Waltz. Students will learn the skills they need and gain confidence to be able to lead and follow when dancing with a partner.

SOCIAL DANCE 2
.5 PE or Fine Art credit Grades 10-12 Course #7019 (F), 7020 (M)
Prerequisite: successful completion of Social Dance 1
If you enjoyed beginning social dance and want to learn more and improve your social dance skills, then this is the class for you. This class is designed to help students improve their styling and technique and learn more advanced steps from
dances taught in the beginning course including Cha-Cha and Swing as well as new dances including Samba and Night Club Two-Step.

SOCIAL DANCE 3
.5 PE or Fine Art credit Grades 10-12 Course #7023 (F), 7024 (B)
Prerequisite: successful completion of Social Dance 2
This course is for students that have taken beginning and intermediate social dance and have a desire to learn more and improve their dancing. Students will learn some of the more advanced dances, technique and styling for the following dances: Mambo, Tango, West Coast Swing and the Lindy Hop.

TECHNICAL

One and a half technical credits are required for students to graduate. Students must take the required Business Office Specialist or Exploring Computer Science 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 education plans and career goals.

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<td>9-10</td>
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AGRICULTURAL SCIENCE

ADVANCED AGRICULTURAL MECHANICS
.5 Technical credit Grades 11-12 Course #8006
Prerequisite: Ag systems 1A & B, 2A & B
This one trimester course is designed to have students use the skills they learned in Ag Systems 1 & 2 to build or work on projects that are related to modern agriculture. The concepts and skill used on these projects may include welding, small engine repair, structures, plumbing, electrical wiring, concrete, and ag equipment repair. $$

AGRICULTURAL BIOLOGY A & B
1 Core Science or Technical credit Grades 10-12 Course #8026, 8027
Prerequisite: Ag Science 1A & 1B
Agriculture Biology is a core biology class that uses agricultural examples to teach the following biology principles: Cell structure & Function, Mitosis, Plant Anatomy/Physiology, Scientific Process, Genetics, Evolution, Cellular Reproduction, Animal Anatomy/Physiology, Ecosystems. Students interested in animals/agriculture and/or would like to be a member of the FFA should take this Biology class. This class is part of an integral agriculture program. Participation with the FFA Organization is encouraged and taught according to state curriculum. (NCAA)
AG SYSTEMS TECHNOLOGY 1 A & B
1 Technical Elective credit Grades 9-12 Course #8000, 8001
This is a two-trimester class where students will learn basic skills related to welding and agricultural mechanics. Students will develop skills in the areas of working hot and cold metal including welding processes such as oxy/acetylene, shielded metal arc welding, gas metal arc welding (MIG), and project construction. Students will also learn to maintain, repair and operate small gas engines. Additional basic skills are taught including: plumbing, painting, measurements, and tool identification. Emphasis will be placed on safety and proper use of tools and equipment. This class is part of an integral agriculture program. Participation with the FFA organization is encouraged and taught according to state curriculum.

AG SYSTEMS TECHNOLOGY 2 A & B
1 Technical Elective credit Grades 10-12 Course #8002, 8003
Prerequisite: Ag Systems Technology 1
This is a two-trimester course teaching students advanced techniques in welding processes including out of position welds, and advanced metal fabrication techniques. Additional skills will be taught in equipment management involving basic tractor maintenance and repair, tire maintenance, cooling systems, drive assemblies, and hydraulic systems. Additional skills may be taught including working with concrete, AC, and DC currents, battery maintenance and electricity. Emphasis will be placed on safety and quality workmanship. This class is part of an integral agriculture program. Participation with the FFA organization is highly encouraged and taught according to state curriculum.

AGRICULTURAL SCIENCE 1A & 1B
1 Technical or Science elective credit Grade 9 Course #8028, 8034
This class is especially for freshmen! Students are introduced to all aspects of agriculture including: plants, animals, natural resources, food and opportunities available in FFA. Students will learn about livestock production industries such as beef, sheep, dairy, and swine industries. Learning activities are varied with classroom, laboratory, and field experiences emphasized. This class is part of an integral agriculture program. Participation with the FFA organization is highly encouraged and taught according to state curriculum.

ANIMAL SCIENCE A & B
1 Technical credit or Elective Science credit Grades 10-12 Course #8032, 8033
This course is a prerequisite for Veterinary Assisting
This is a two-trimester course in which students will learn about a wide range of scientific principles as related to livestock and companion animals. Scientific topics will include: genetics, anatomy, physiology, nutrition, disease, pests, and management practices. Students will be exposed to the various livestock production industries such as beef, sheep, dairy, and swine industries. Learning activities are varied with classroom, laboratory, and field experiences emphasized. This call is part of an integral agriculture program. Participation with the FFA organization is highly encouraged and taught according to the state curriculum.

FLORICULTURE (Floral Design)
.5 Technical or elective Fine Art credit Grades 10-12 Course #8022
This class lasts one trimester and teaches skills in floral design including making corsages, boutonnieres, bud vases, table arrangements, and introductions to wedding flower constructions and the floral design industry. Students will spend time in the high school greenhouse growing potted flowers and designing container gardens and hanging baskets. This class is part of an integral agriculture program. Participation with the FFA Organization is encouraged and taught according to state curriculum.
PLANT SCIENCE CONCURRENT A & PLANT SCIENCE 1800
Concurrent Enrollment 3 USU credits
1.0 Elective Science or Technical credit Grades 11-12 Course # 8014, 8018
This class will earn 3 credits through USU concurrent enrollment. It satisfies the US Breadth Life Science requirement and fulfills a general education requirement. The class works extensively in the school greenhouse to plant, grow, and market all of the spring bedding plants. Students can expect to learn to identify flowers, propagate plans, understand plant anatomy & physiology, and learn to maintain a home landscape and vegetable garden. This class is part of an integral agriculture program. Participation with the MCHS FFA Organization is encouraged and taught according to state curriculum.

VETERINARY ASSISTING A & B
1 Technical credit or Elective Science Grades 11-12 Course #8030, 8031
Prerequisite: Animal Science
This two-trimester course provides the opportunity for students to explore different avenues of the veterinary health profession and learn advanced animal science principles. Students will become familiar with multiple careers within the Veterinary field. Students will be exposed to veterinary science and principles which include anatomy, physiology, chemistry, animal health and disease, dentistry, and laboratory procedures. Students will provide hands-on care as they develop skills in the areas of surgical assisting, bandaging, animal restraint, wound care, oral care, and general nursing care. This class is part of an integral agriculture program. Participation with the FFA Organization is encouraged and taught according to state curriculum. THIS COURSE IS OFFERED EVERY OTHER YEAR. THIS COURSE WILL BE HELD 2022-2023 AND AGAIN IN 2024-2025.

BUSINESS and MARKETING

**It is recommended that Marketing be taken before any of the other Marketing classes (Sports and Entertainment Marketing, Digital Marketing, and Business Management).

ACCOUNTING 1
.5 Technical or .5 Math credit Grades 10-12 Course #8364
Do you plan on going to college or having a future career? Are you planning on handling your own personal finances? Are you interested in owning your own business? Then this course is for you! Ensure that your personal finances are stable; come learn Accounting, the language of business! Topics include the accounting cycle, journalizing and posting transactions, compiling financial statements, payroll systems, and cash management. This course counts for either .5 Technical credit or .5 Math credit.

ACCOUNTING 2
.5 Technical or .5 Math credit Grades 10-12 Course #8365
Have you ever wondered how a company keeps track of their financial accounts? How does a company know if they are financially strong and if they are making money? Develop advanced skills that build upon those acquired in Accounting 1. Learn computerized accounting and the programs associated with it. This course counts for either .5 Technical credit or .5 Math credit.
BUSN 1111 SURVEY OF ACCOUNTING (Accounting 1)
Concurrent Enrollment 3 USU Credits
.5 Technical or .5 Math credit Grades 11-12 Course #8361
This course is designed for the business student who would like to develop a foundational understanding of accounting procedures or for the individual who is interested in bookkeeping or owning their own business and would like a practical overview of basic accounting and bookkeeping procedures. It is also intended for the non-business student who wants to better understand their own personal finances. Come learn the “Language of Business”!

BUSINESS COMMUNICATIONS
.5 Technical or English credit Grades 10-12 Course #8401
How does communication play a part in your life? What type of communication is needed for any job or career? What is your competence level in oral, written, social, technological, employment, and organizational communication? Because communication impacts all aspects of our lives, this is a course that will teach you various types of practical communication skills! Topics cover many facets of communication including verbal interactions, written communications, oral presentations, nonverbal cues, and using technology to maximize effectiveness.

BUSN 2200
Concurrent Enrollment 3 USU Credits
.5 Technical or English credit Grades 11-12 Course #8547
Concurrent enrollment option of Business Communications.

BUSINESS MANAGEMENT (Entrepreneurship)
.5 Technical credit Grades 11-12 Course #8415
Are you interested in starting your own business? Come learn about the skills, attitudes and knowledge necessary to become a successful entrepreneur. In this course you will learn about starting and operating your own business and the management skills necessary for success. This is one class you don’t want to miss out on!

BUSN 1010 Business Principles (Business Management)
Concurrent Enrollment 3 USU credits
.5 Technical Credit Grades 11-12 Course #8374
For all students wanting a greater understanding of business. It is an examination of the role of business and commerce through history and how it shapes modern society. Students will study both classical and current theories of management, human relations and motivation, ethics and social responsibility. Emphasis will also be placed on factors needed for organizations to become and remain competitive in the global marketplace. Students will take an active role in managing our student enterprise “Hoof Prints”.

BUSINESS OFFICE SPECIALIST
.5 required Technology credit Grades 9-12 Course #8378
Satisfies Utah’s Digital Studies graduation requirement.
Do you want to learn skills that can help you in doing your schoolwork, personal projects or receive job skills? Then this is the class for you! Gain basic computer knowledge in Windows operating system and Microsoft Office programs (Word, Excel, PowerPoint, Access). Get certified in industry-level certifications and become a Microsoft Office Specialist!
COMPUTER PROGRAMMING, I & II
1 Technology or elective Math credit, or Digital Studies Grades 10-12 Course #8725, 8726

Suggested Prerequisite: Computer Science Principles

Satisfies Utah’s Digital Studies graduation requirement.

An introductory course in computer programming/software engineering and applications. The course introduces students to the fundamentals of computer programming. Students will learn to design, code, and test their own programs while applying mathematical concepts and higher-level thinking skills. This course requires the use of logic and critical thinking skills. Teachers introduce concepts and problem-solving skills to beginning students through the C++ programming language in the Microsoft Visual Studio environment.

CS 1030 (Foundations of Computer Science)
Concurrent Enrollment USU 3 credits
.5 Technical Credit or .5 Physical Science Credit Grades 11-12 Course #

Prerequisite: Computer Programming 1

Investigation of computers and computing in today’s society, including the basic scientific and mathematical concepts that underlie computer science, computing, and computer systems.

CS 1400 (Introduction to Computer Science)
Concurrent Enrollment USU 3 credits
.5 Technical Credit or .5 Elective Math Credit Grades 11-12 Course #8698

Prerequisite: Computer Programming 1

Want to learn some in-depth programming concepts? The second trimester of computer programming reviews and builds on the concepts introduced in the first trimester. This trimester introduces students to more complex data structures and their uses, including sequential files, arrays, and classes. Students will learn to create more powerful programs and how to work as an effective team member. Students will continue learning the programming language from Computer Programming 1.

COMPUTER SCIENCE PRINCIPLES
.5 Technical credit Grades 9-12 Course #8732

Satisfies Utah’s Digital Studies graduation requirement.

Interested in learning more about Computer Science? SEVENTY PERCENT OF THE JOB MARKET REQUIRES COMPUTER SCIENCE EXPERIENCE. This is the perfect class for you! Computer Science Principles is a new course that follows a project to develop a computer science course that seeks to broaden participation in computing and computer science. The course places emphasis on the principles of computer science rather than just programming. Big ideas and concepts include:

- Computing is a creative activity.
- Abstraction reduces information and detail to facilitate focus on relevant concepts.
- Data and information facilitate the creation of knowledge.
- Algorithms are used to develop and express solutions to computational problems.
- Programming enables problem solving, human expression, and creation of knowledge.
- The Internet pervades modern computing.
- Computing has global impacts.

*This class can also be taken for USU Concurrent Enrollment credit as CS 1030.
DIGITAL MARKETING/SOCIAL MEDIA
.5 Technical credit Grades 10-12 Course #8058
Do you want to get a leg up on a rapidly growing and evolving career? Mail? Forget it. TV Commercials? Meet the DVR. Email? Old School. It is all about marketing online with social platforms and mobile apps. Students already use these tools in their personal lives. Now is the time to learn how to use these NEW digital and social media TOOLS in the world of business. This business course provides students with a foundation and a skill set in the new, evolving world of marketing. Topics including ecommerce, media planning, branding, online advertising, display advertising, digital campaigns, social media marketing, and the importance of building an online community. Come learn the exciting world of Digital Marketing.

ECONOMICS 1500
Concurrent Enrollment 3 USU credits .5 Technical or Social Studies elective credit Grades 11-12 Course #6051
Prerequisite: 3.0 GPA
This class fulfills one of the American Institutions general education breadth requirements at USU. This course is a prerequisite for many other higher-level courses and is required for ALL business majors at USU. Economic relationships between individuals, businesses, and government will be studied. This class will also analyze major economic institutions, consumer markets, business organizations, money and banking, domestic and international trade, and taxation. Concurrent Enrollment fees apply.

EXPLORING COMPUTER SCIENCE
.5 Technical credit Grades 9 Course #8080
Satisfies Utah’s Digital Studies graduation requirement
Are you interested in exploring more about technology? Have you wondered how computers are used to solve world problems? How do computers influence the innovation in various fields and society? Do you want to learn more about applications that can be used for home, school, business, and careers? Then this is the class for you! Learn how to think outside the box to solve problems and understand the computer science way of thinking.

FCSE 1350 FINANCIAL LITERACY PERSONAL FINANCIAL PLANNING
Concurrent Enrollment 3 USU credits .5 required Financial Literacy credit Grades 11-12 Course #0335
Prerequisite: 3.0 GPA
This course satisfies the high school General Financial Literacy requirement and is designed for students who are planning to attend college. Students will gain an understanding of financial topics needed to be knowledgeable and effective consumers, money manager, savers, investors, users of credit and productive workers. Concurrent enrollment fees apply.

GAMING DEVELOPMENT FUNDAMENTALS 1
.5 Technical credit Grades 9-12 Course #8731
This is an elective course designed to provide students with knowledge and project-based experience of fundamental gaming development concepts relating to STEM. These concepts include game design, scripting, creation of digital assets, graphic resources, animations, understanding hardware, problem solving, critical thinking, collaboration, and project management.
GAMING DEVELOPMENT FUNDAMENTALS 2
.5 Technical credit Grades 10-12 Course #8706
Prerequisites: Gaming Development 1 and Computer Programming 1
This course is designed to provide students with deeper knowledge and project-based experience of fundamental gaming development concepts relating to STEM. These concepts include game design, scripting, creation of digital assets, graphic resources, animations, understanding hardware, problem solving, critical thinking, collaboration, and project management. We will use Unity as the basis for our curriculum and game design projects.

LEADERSHIP MANAGEMENT PRINCIPLES
.5 Technical credit Grades 10-12 Course #8066
Do you have what it takes to be an “effective” leader? Some are born leaders but need to learn how to be an effective leader, while others need confidence and skills in becoming a leader. What are the complex issues facing today’s leaders? What characteristics and traits make a “great” leader? This course is recommended for those who are looking to improve their personal leadership skills as well as those who would like to learn how to lead a business or an organization. Come learn the basic leadership skills everyone needs for any area of life!

MARKETING
.5 Technical credit Grades 10-12 Course #8054
What does it take to market a product or service? Ever wonder how companies make money? Do you know how and why new products are developed and why they are promoted the way they are? It’s all because of Marketing! Do you have what it takes to be a marketer? Sign up and let’s find out!

SPORTS AND ENTERTAINMENT MARKETING
.5 Technical credit Grades 9-12 Course #8059
Have you ever wanted to work in the world of sports or entertainment? Have you ever wanted to know what it takes to put on a sporting or entertainment event, like a rock concert? Sport and Entertainment industries are two of the most profitable industries in the United States. Marketing sports and entertainment products is a global business. Sign-up to learn how to create and market a new team or product. Come enjoy hands-on projects that will teach what it takes to market in the sports and entertainment industry.

WEB DEVELOPMENT 1
.5 Technical credit Grades 10-12 Course #8359
Satisfies Utah’s Digital Studies graduation requirement.
Web Development 1 is a course designed to guide students in the development of up-to-date concepts and skills that are used in the development of today’s websites. Students will learn the fundamentals of how the Internet works. They will learn and use the basic building blocks of the World Wide Web: HTML5 coding, cascading style sheets (CSS) and JavaScript. Students will integrate graphics and media to make online communication fun and interactive.

WEB DEVELOPMENT 2
.5 Technical credit Grades 10-12 Course #8368
Prerequisite: Web Development 1
Web Development 2 is a project-based class that will build on the skills learned in Web Development 1. If you would like to further your skills as a Web Developer, this class is for you!
DRAFTING

CAD ARCHITECTURAL DESIGN 1
.5 Technical credit Grades 9-12 Course #8181
The first in a sequence of courses that prepares individuals for careers in the Architecture, Engineering, and Construction (AEC) industry. This course includes instruction in 2D or 3D Computer-Aided Design (CAD) software to draw a small residential home with an emphasis on blueprint reading.

ENGINEERING AND STEM

ELECTRONICS 1
.5 Technical or Elective Science credit Grades 9-12 Course #8711
The first in a sequence of courses that prepares individuals to apply technical knowledge and skills to assemble and operate electrical/electronic equipment used in business, industry, and manufacturing. Instruction includes training in safety, electrical theory, parallel & series circuits, Kirchhoff’s Laws, schematic diagrams, electrical components, and soldering.

ELECTRONICS 2
.5 Technical or Elective Science credit Grades 10-12 Course #8712
This course prepares individuals to apply technical knowledge and skills to assemble, install, operate, maintain, and repair electrical/electronic equipment used in business, industry, and manufacturing. The course includes instruction in passive electronic components, passive AC and DC circuits, active discrete circuits, linear integrated circuits, digital integrated circuits, and program and interface microprocessors-based systems.

ENGINEERING PRINCIPLES 1
.5 Technical or Elective Science credit Grades 9-12 Course #8713
The first in a sequence of “hands on” courses that tie observations and concepts common to a variety of different engineering disciplines in order to develop a better understanding of basic math and science principles used in engineering. By utilizing problem-solving skills in a laboratory environment, students will develop skills and attitudes that impact and expand occupation opportunities in engineering. This is a foundation course in the Engineering Pathway.

ENGINEERING PRINCIPLES 2
.5 Technical or Elective Science credit Grades 10-12 Course #8714
The second in a sequence of “hands on” courses that tie observations and concepts common to a variety of different engineering disciplines in order to develop a better understanding of basic math and science principles used in engineering. By utilizing problem-solving skills in a laboratory environment, students will develop skills and attitudes that impact and expand occupation opportunities in engineering. This is a foundation course in the Engineering Pathway.
ROBOTICS 1
.5 Technical credit or Elective Science  Grades 9-12  Course #8539
The first in a sequence of courses that prepares individuals with a lab-based, hands-on curriculum combining electrical, mechanical and engineering principles. Students will learn to design, build, program, and control robotic devices. A rigorous study and application of electrical concepts will include: sources of energy, electrical safety, use and identification of basic electronic components, sensors and actuators. Engineering concepts will include: mechanical design, prototype development, design testing, programming, and proper engineer documentation.

ROBOTICS 2
.5 Technical credit or Elective Science  Grades 9-12  Course #8540
The second in a sequence of courses that prepares individuals with a lab-based, hands-on curriculum combining electrical, mechanical and engineering principles. Students will learn to design, build, program, and control robotic devices. A rigorous study and application of electrical concepts will include: sources of energy, electrical safety, use and identification of basic electronic components, sensors and actuators. Engineering concepts will include: mechanical design, prototype development, design testing, programming, and proper engineer documentation.

FAMILY AND CONSUMER SCIENCE

INDIVIDUAL AND FAMILY RELATIONSHIPS
.5 Technical  Grades 11-12  Course #8109
This course includes the study of developing skills to build and maintain a healthy self-concept and effective communication that establishes healthy relationships for individuals, families, communities, marriages, peers and as professionals. This course will emphasize establishing and maintaining relationships based on effective communication, diverse family systems, characteristics of personal development and the impact of relationships on personal and career connections. Concepts will be taught together with Personal and Family Finance curriculum.

PERSONAL AND FAMILY FINANCE
.5 Technical or .5 Financial Literacy  Grades 11-12  Course #8115
This course teaches students about financial priorities and goals. Focus will be given to how to have financial health as an individual as well as within a family dynamic. We will discuss money management strategies for the goals of the individual and family, the financial implications of relationship formation and dissolution. We will explore careers in financial behavioral health and counseling. Concepts will be taught together with Individual and Family Relationships.

BEHAVIORAL HEALTH INTRODUCTION
.5 Technical  Grades 9-12  Course #8018
This course is an introduction to the Behavioral Health industry. Topics that will be introduced in the foundational level course include understanding self-concept, effective communication, healthy relationships, addictive behaviors, mental health disorders, and protective laws and rights of patients and practitioners. **This course it not designed for the student to diagnose themselves, friends or family. It is an introduction to the behavioral health career field only.

SEWING CONSTRUCTION and TEXTILES 1
.5 Technical credit  Grades 9-12  Course #8136
If you have little or no sewing experience, this is the class for you! The course introduces the students to sewing equipment, textiles, and beginning sewing construction skills. Projects will include a stylish bag, a fashionable clothing item and a project of your choice. $$
SEWING CONSTRUCTION and TEXTILES 2/FCSE 1040
.5-1.5 Technical credits Grades 10-12 Course #8137, 8046
Prerequisite: Sewing Construction and Textiles 1
This course is a continuation of Sewing 1. The emphasis will be on individualized sewing and skill building to help students construct current fashionable clothing, sports and active wear items. Projects will be selected to help the student apply current skills and learn additional skill. **THIS CLASS CAN BE TAKEN MORE THAN ONCE.** Each time the class is taken, the student will continue to build on current sewing skills. Students can opt to take this class as a concurrent enrollment class through USU - FCSE 1040. $$

CHILD DEVELOPMENT
.5 Technical credit Grades 10-12 Course #8162
Students in this introductory course will study the development and care of children from conception through age 5. Including anatomy, pregnancy, prenatal care, labor and delivery and parenting skills. Students will participate in a variety of activities that will help them relate to children. They will observe and teach in the onsite preschool. It is a prerequisite for the Early Childhood Education 1 course.

EARLY CHILDHOOD EDUCATION 1 (Child Care)
.5 - 1 Technical credit Grades 11-12 Course #8160
Prerequisite: Child Development
This advanced course prepares individuals for child related careers and more extensive parenting skills through personal interaction with children. Instruction is given in developing positive relationships and learning experiences for children, childcare policies and management, guidance techniques, and health and safety concerns. The school's preschool and other childcare experiences will be a major component of the course. Students will need to provide their own transportation. **This class may be taken twice to meet a Pathways requirement.**

EDUCATION 1
.5 Technical credit Grades 10-12 Course #8801
Experience and participate as you learn about the role and characteristics of an effective educator. Observe and participate with teachers and students in the classroom. Learn about current teaching methods and instructional strategies. Explore assessments and when to use them. Discover how students learn and how to differentiate for special populations. Recognize ways to effectively use educational technology in the classroom.

FASHION DESIGN STUDIO
.5 Technical credit Grades 9-12 Course #8169
Fashion is about so much more than designing clothes! This is a fun class that will help you understand the apparel industry and be able to used the concepts learned to improve your own wardrobe. You will learn about fashion industry terminology and careers, merchandising, and selecting current fashions for different figure types. We also do a lot of sketching and creating, but you DON’T have to be an artist to be successful! Concepts that you learn will be put to the test with a fun Recycle/Redesign challenge that will look amazing on the red carpet! $$

HDFS 1500 HUMAN GROWTH AND DEVELOPMENT
Concurrent Enrollment 3 USU credits
.5 Technical credit and Social Studies elective credit Grades 11-12 Course #8106
Prerequisite: 3.0 GPA
Fee: one-time $30 application fee to USU
This course is an overview of human development from conception through late adulthood, focusing on biosocial, cognitive, and psychosocial development throughout the lifespan. HDFS 1500 is an approved Social Science General Education course at USU. Concurrent Enrollment fees apply. (NCAA)
HDFS 2400 MARRIAGE AND FAMILY RELATIONSHIPS
Concurrent Enrollment 3 USU credits  
.5 Technical credit and Social Studies elective credit  
Grades 11-12  
Course #8121

**Prerequisite: 3.0 GPA**

Students will learn basic concepts and approaches in the study of marriage and the family and those concepts to their own lives. Students will better understand what they personally want in his/her future family and relationship experiences. Class concepts include: dating, communication, marriage, parenting, and conflict resolution. Concurrent Enrollment fees apply.

FOOD AND NUTRITION 1
.5 Technical credit  
Grades 9-12  
Course #8119

This course is designed to teach the process of food preparation and kitchen management skills. It is a prerequisite for Dietetics and Nutrition 1 and the BTECH classes. Instruction includes: kitchen safety and sanitation, including preparing for and taking the Food Handler Permit exam. Upon successful completion of the exam you will have the option to purchase the Food Handler card which is valid for 3 years and required for all food industry jobs. We will cover the My Plate dietary guidelines, nutrition, reading recipes, measuring and equipment. We will make recipes in class using foods from every food group. Home cooking assignments provide application of the skill they learn in class. A class where you can eat your assignments! $$

DIETETICS AND NUTRITION 1
.5 Technical credit  
Grades 10-12  
Course #8127

**Prerequisite: Foods 1**

Do you enjoy cooking? How about eating? This is the perfect class for you to build on the foundations you learned in Foods 1 and then be able to apply them to food preparation labs that will focus on soups, salads, yeast breads, meats, and pies. We will also practice personal health techniques and meal management and will have some fun and exciting food competitions! $$

INTERIOR DESIGN 1
.5 Fine Art or Technical credit  
Grades 9-12  
Course #8131

Interior Design is a great life application class. It is designed to help students understand and apply design and function in their environment. Students will discover their own creative styles. They will learn the elements and principles of design and apply them in the projects in class. Students will assume the role of designer and create interior spaces for a “client” as their final project. $$

NDFS 1020
Concurrent enrollment 3 WSU credits  
.5 Technical credit/.5 Science credit  
Grades 11-12  
Course #8345

**Prerequisite: 3.0 GPA**

NDFS 1020 is a Life Science course focusing on the science and application of human nutrition. This course is required for all nursing students and is a general education course required at many universities. This course includes information on the science of foods, chemical structure, understanding of the nutrient intake and diet planning guidelines, nutrients, metabolism, life cycle nutrition and consumer concerns about foods. This course is designed for serious, advanced students who are responsible, committed and focused. Concurrent Enrollment fees apply. $$
HEALTH SCIENCES/MEDICAL

ADVANCED HEALTH SCIENCE 1110, 1111 A, B, C
Concurrent Enrollment 12 WSU credits
1.5 Technical credit Grade 12 Course #8342, 8343, 8344

Prerequisite: 3.0 GPA and Anatomy/Physiology/Med Term
This full-year course earns college credit from Weber State University. It is taught over the EdNet system each week with some day spent in computer labs doing medical lab activities. The course includes an in-depth study of human anatomy, physiology, body systems, and related areas as needed for college credit. This class has a $15.00 lab fee. Students are required to purchase lecture notes from Weber State University. Concurrent Enrollment fees apply. $$

MEDICAL TERMINOLOGY/HEAL 1008
Concurrent Enrollment 3 USU credits
.5 Technical Credit Grade 11-12 Course #8339
This one trimester course will cover college level medical terminology that healthcare professionals use in their daily work. This course is available to 11th and 12th graders and can be taken concurrently with Medical Anatomy/Physiology/Terminology. 10th graders with a 3.5 GPA may requested to be considered for this course. $$

INTRO TO EMERGENCY MEDICAL RESPONSE (FIRST AID)
.5 Technical credit Grades 10-12 Course #8314

Prerequisite: 3.0 GPA
This single trimester course is the American Red Cross Responding to Emergencies Course. Students passing the final tests and practical will receive certification in Adult, Child, Infant CPR and First Aid. There is a $10 lab fee to replenish first aid supplies and pay for certification cards. $$

BEHAVIORAL HEALTH INTRODUCTION
.5 Technical Grades 9-12 Course #8018
This course is an introduction to the Behavioral Health industry. Topics that will be introduced in the foundational level course include understanding self-concept, effective communication, healthy relationships, addictive behaviors, mental health disorders, and protective laws and rights of patients and practitioners. **This course it not designed for the student to diagnose themselves, friends or family. It is an introduction to the behavioral health career field only.

EXERCISE SCIENCE A & B
1 Technical credit Grades 11-12 Course #8303, 8304
This two-trimester course is to help students develop an interest in medical and other health-related fields and to learn basic injury evaluations, taping techniques, and other conditioning of athletes. This class is part of the Utah Health Science and Technology Curriculum. This course is to assist the student in choosing a possible health-related occupation after he/she has become better informed about the many choices out there. This course will deal with human anatomy and physiology. This course will be two trimesters. There is a $15 lab fee for handouts and medical supplies to be used during labs. $$

EXERCISE SCIENCE/AT2175 A & B
Concurrent Enrollment 3 WSU credits
1 Technical credit Grades 11-12 Course #8301, 8311

Prerequisite: 3.0 GPA
This two-trimester Weber State University Concurrent course is to help students develop an interest in medical and other health-related fields and to learn basic injury evaluations, taping techniques, and other conditioning of athletes.
This class is part of the Utah Health Science and Technology Curriculum. This course will deal with human anatomy and physiology. This course will be two trimesters. There is a $15 lab fee for handouts and medical supplies to be used during labs.

**INTRODUCTION TO HEALTH SCIENCE**

.5 Technical credit  
Grade 9-10  
Course #8320  
This single trimester course is designed to allow students to explore the medical field before they commit an entire year to taking Anatomy/Physiology. This class is NOT required for any other Anatomy class, but is offered to those students that are not sure if this is their field of interest. We will examine basic anatomy, medical terminology, and career exploration. This class has a $5 lab fee to cover handouts, medical supplies, etc. Some students take this class in order to learn some anatomy and medical terminology prior to taking the full year course.

**MEDICAL ANATOMY/PHYSIOLOGY/TERMINOLOGY**

1.5 Technical or Elective Science credit  
Grades 11-12  
Course #8331, 8332, 8333  
This full-year course provides students with an in-depth study of healthcare careers including actual clinical experience in a variety of areas. Instruction includes intermediate anatomy & physiology, medical terminology, diseases and disorders, medical ethics, and first aid. The class is designed to prepare students for the Advanced Health Science course and/or for a variety of health technology programs. This class has a $10 per trimester fee to cover the cost of handouts and supplies used in class and labs. (NCAA)

**NDFS 1020**

Concurrent enrollment 3 WSU credits  
.5 Technical credit/.5 Science credit  
Grades 11-12  
Course #8345  
**Prerequisite: 3.0 GPA**

NDFS 1020 is a Life Science course focusing on the science and application of human nutrition. This course is required for all nursing students and is a general education course required at many universities. This course includes information on the science of foods, chemical structure, understanding of the nutrient intake and diet planning guidelines, nutrients, metabolism, life cycle nutrition and consumer concerns about foods. This course is designed for serious, advanced students who are responsible, committed and focused. Concurrent Enrollment fees apply.

**PHOTO/VIDEO/ART**

**COMMERCIAL PHOTOGRAPHY 1**

.5 Fine Art or Technical credit  
Grades 9-12  
Course #8287  
This introductory class on photography consists of three to four weeks of classroom instruction followed by eight weeks of taking pictures and working with Adobe Photoshop. This class will give the student a better understanding of film cameras and digital cameras, film and flatbed scanners, printers, lenses, composition, and other phases of photography. The student must have any type of digital camera. There are 15 assignments and several tests associated with this class. Most assignments involve digital retouching and printing.

**COMMERCIAL PHOTOGRAPHY 2**

.5 Fine Art or Technical credit  
Grades 10-12  
Course #8288  
**Prerequisite: Digital Photo 1**

This class is a continuation of theory and technique improvement for the student who desires more depth in digital photography. Digital Photo 1 is a prerequisite for this class. Composition, control of light, etc. will be heavily stressed. The student must have a digital camera (preferably with adjustable aperture and shutter speeds). There is a limited
amount of formal classroom discussion. There will be several assignments involving alternative digital processes. Most work is done in the digital photography lab. $$

VIDEO TECHNOLOGY AND PRODUCTION A & B

1 Fine Art or Technical credit    Grades 9-12    Course #8189, 8190
This is a two-trimester activity and academic-oriented course that teaches individuals basic TV broadcasting skills. Students will be involved in the development, design principles, and the production of media with emphasis in video. Instructional activities are centered on the utilization of actual fundamentals learned in video production, including lighting, audio production, directing, editing, and filming. Work ethics and productivity are an integral part of the classroom and lab activities.

IT STEM ACADEMY

You CANNOT register for this class electronically. See your counselor to register.
Do you like computer, programming and all things Cyber? Learn about PC hardware, programming, networking, cyber security, web development, Linux, Mac, and Raspberry Pi. This free program is offered after school M-Th with options for multiple entry points during the year. Complete a BTech industry recognized certificate while in high school. Complete 30 credits toward an associate’s degree at USU (equivalent to one year)—tuition free! Freshmen that are interested, speak to Mrs. Norman. For more information contact Aaron Liebelt at aliebelt@btech.edu, (435) 535-5310.

Year 1 Course Schedule:  PC Professional, Raspberry Pi I, Python Programming OR Web Dev. Essentials, Linux Essentials OR Mac Essentials.
Year 2 Course Schedule:  Networking Technology, Intro to Cyber Security, required courses not chosen from Year 1, Electives – Security Essentials (prerequisite:  Network Tech.), Raspberry Pi II.
Students can receive up to 150 hours of certification credit for CTE/Technology classes taken at their high school. There are additional electives available in the summer or post-high at BTECH.

CABINET MAKING/MILLWORK

WOODS 1
.5 Technical credit    Grades 9-12    Course #8268
The first instructional course in a sequence that prepares individuals to apply technical knowledge and skills to lay-out, shape, assemble, and finish projects. Value is placed on developing craftsmanship, a production sense, and in design principles. This course emphasizes the safe use of a variety of hand tools, power tools and machinery. In this course, students will use the machinery and shop tools to make an end table. $$

WOODS 3
.5 Technical credit    Grades 10-12    Course #8269
Prerequisite: Woods 1
The third in a sequence of courses that prepares individuals to apply technical knowledge and skills to lay-out, shape, assemble, and finish projects. Value is placed on developing craftsmanship, a production sense, and in design principles. This course emphasizes the development of widely understood and accepted design principles. In this course, students will use machinery and shop tools to further their skill in woodworking by making a nightstand or end-grain coffee table. $$
CONSTRUCTION TRADES FOUNDATION
1 Technical credit     Grades 10-12    Course #8710
Prerequisite:  Woods 1
A course that generally prepares individuals in the following areas:  basic safety, introduction to blueprint reading, introduction to power tools, introduction to hand tools, and introduction to construction math.  It also includes an industry overview, what to expect on the job and specific career opportunities.  It is designed to allow for replica house building on a $\frac{3}{4}"=1"-0"$ scale.  These courses are based on the current National Center for Construction Education and Research (NCCER) task list.  $$

CAD ARCHITECTURAL DESIGN 1
.5 Technical credit     Grades 9-12    Course #8181
The first in a sequence of courses that prepares individuals for careers in the Architecture, Engineering, and Construction (AEC) industry.  This course includes instruction in 2D or 3D Computer-Aided Design (CAD) software to draw a small residential home with an emphasis on blueprint reading.

FINANCE
Any of these classes meets the Financial Literacy graduation requirement.

PERSONAL AND FAMILY FINANCE
.5 Technical or .5 Financial Literacy     Grades 10-12    Course #8115
This course teaches students about financial priorities and goals.  Focus will be given to how to have financial health as an individual as well as within a family dynamic.  We will discuss money management strategies for the goals of the individual and family, the financial implications of relationship formation and dissolution.  We will explore careers in financial behavioral health and counseling.  Concepts will be taught together with Individual and Family Relationships.

FCSE 1350 PERSONAL FINANCIAL PLANNING
Concurrent Enrollment 3 USU credits
.5 required Financial Literacy credit     Grades 11-12    Course #0335
Prerequisite:  3.0 GPA
This concurrent enrollment course satisfies the high school General Financial Literacy requirement and is designed for students who are planning to attend college.  Students will gain an understanding of financial topics needed to be knowledgeable and effective consumers, money managers, savers, investors, users of credit and productive workers.  Concurrent Enrollment fees apply.

FINANCIAL LITERACY
.5 required Financial Literacy credit     Grades 11-12    Course #0333
This course will help students prepare for the choices and challenges of money management in adulthood.  Students will gain an understanding of personal finance principles as they relate to income, money management, spending, credit, saving, and investing.  They will use this knowledge and related skills to take individual responsibilities for personal economic well-being.
ELECTIVES

CTE INTERNSHIPS
.5 Technical or Elective credit Grades 11-12 Course #8207
Prerequisite: Students must complete an application and submit to the work-based learning instructor no later than 10 days into the previous trimester. (Please see application for student requirements and criteria. Applications available in the CELF Center or from the work-based learning instructor.)
Do you know what you want to do after high school or what you want to go into for a career? Figure your future out by doing an internship in a career field of your choice! This is a great opportunity to explore your future career choice in real-time and start gaining experience! This course will provide students with on the job training opportunities as well as the skills needed to be successful in the world of work. Don’t miss out on this great opportunity and sign-up today to complete and internship.

DRIVER EDUCATION A, B, C
.5 Elective credit Grades 9-12 Course #9130, 9131, 9132
Prerequisite: Must have learner’s permit before starting class
Fees: There are fees for this class and all fees must be paid before starting class!
Students who turn 16 years of age during the following months should sign up according to birth date: 1st trimester – Sept. – Jan. 31; 2nd trimester – Feb-May 31; 3rd trimester – June – Oct. 31. Road hours will be before and after school and on Saturdays. Any student can also complete the classroom portion for Driver’s Education on-line through the Driver’s Education Department. Contact Jesse Parker for information (435-792-7765, ext. 5300). This means a student can take the class on the internet and the driving portion with the teachers at MCHS and RHS. The law which went into effect August 2, 2006 states that all students must have a learner’s permit for six (6) months before obtaining their driver’s license. A student may take the state written test in order to obtain a learner’s permit at 15 years old. Test are taken at the Driver’s License Division and before taking the Driver’s Education class. Do not come to class without having a learner’s permit and your fees paid.

DIVERSITY DISCOVERY A, B
1 Elective credit Grades 10-12 Course #9208, 9209
Diversity Discovery is a two-trimester class designed to teach diverse students how to become leaders while serving in the community. The course also expands and enriches cultural background, language, and a developing voice. Students are encouraged to gain self-confidence, develop a desire to excel in academics, and pursue higher education or career interests and skills. Scholarship writing will also be a focus. Students serve as translators for parent teacher conferences, and may be involved in tutoring elementary students, or participating on a student educator multicultural panel at Utah State University.

LIGHT & SOUND
.5 Elective credit Grades 9-12 Course #See Counselor
This course introduces students to some of the necessary skills required for technical stage production. Topics include the basics of operating light and sound equipment; equipment maintenance; constructing and rigging scenery; and hanging and focusing of lighting. Course Participants will make up the Light and Sound crew and will help provide audiovisual services for school activities such as: theatre productions, assemblies, concerts, and club activities. In addition to time in class, students are expected to put in time after school hours in support of school activities and programs.
PEER TUTOR
.5 Elective credit  Grades 10-12  Course #9141
This course offers practical life experience. It is particularly helpful for students who are interested in education, child care, and other related fields. This course is designed to provide students with the opportunity to help tutor students who have academic and social disabilities. Focus is on participation and interaction with the students. Written assignments and lessons support learning the objectives of the course. Tenth graders can register for this class with permission from the teachers or if they have prior peer tutor experience.

RELEASED TIME

RELEASED TIME A – Course #0551
RELEASED TIME B – Course #0552

OFF-CAMPUS VOCATIONAL

COSMETOLOGY
1-7.5 Technical credit  Grade 12  Course #8086
This daily class is conducted off campus for selected seniors interested in a career in cosmetology (beautician). Students must provide their own transportation to Logan. Courses are provided by New Horizons Beauty College and Paul Mitchell. There is a substantial tuition fee. A parent permission form must be submitted. See your counselor for enrollment details. $$

WORK-BASED LEARNING

CTE INTERNSHIPS
.5 Technical or Elective credit  Grades 11-12  Course #8207
Prerequisite: Students must complete an application and submit to the work-based learning instructor no later than 10 days into the previous trimester. (Please see application for student requirements and criteria. Applications available in the CELF Center or from the work-based learning instructor.)
Do you know what you want to do after high school or what you want to go into for a career? Figure your future out by doing an internship in a career field of your choice! This is a great opportunity to explore your future career choice in real-time and start gaining experience! This course will provide students with on the job training opportunities as well as the skills needed to be successful in the world of work. Don’t miss out on this great opportunity and sign-up today to complete and internship.
Dear Mt. Crest High,

we want you to find out more about the high paying jobs and fantastic careers in manufacturing in Northern Utah for those with the right skill sets. Northern Utah’s manufacturers just broke over $1 Billion in payroll and hire more people than any other employment sector. Our companies are expanding, automating, and hiring. We want to invest in you!

If you enjoy working with your hands, learning how things work, tearing things apart and putting them back together again, and are willing to put in a good day’s work, then the following opportunities await you upon certificate completion:

+ Entry level positions with high wages
+ Industry driven, hands-on education
+ Debt Free Education
+ Gain valuable experience while you go to school
+ Long term employment opportunities
+ Earn transferable university credit
+ Many offer tuition reimbursement
+ Multiple career paths within our companies

Many of the critical skill sets we need can be obtained at Bridgerland Technical College in certificate programs like Automated Manufacturing, Welding, Machining, and Electronic Engineering Technology.

You can complete certificate programs during your high school day, during the summer, and in some programs during the early morning (AM STEM Academy) at your local high schools. Ask your high school counselor about registering today.

www.btech.edu/programs
www.btech.edu/amstem

We look forward to you joining us.
NORTHERN UTAH’S MANUFACTURING COMMUNITY
Estimado Mt Crest High,

queremos que averigües más sobre los trabajos bien pagados y las fantásticas carreras en el sector de Producción y fabricación en el norte de Utah para todos aquellos con las habilidades adecuadas.

Las empresas del norte de Utah acaban de superar $1 billón de dólares en nómina y contratan a más gente que ningún otro empleador. Nuestras compañías se están expandiendo, automatizando y contratando personal. Queremos invertir en ti.

Si te gusta trabajar con las manos, saber cómo funcionan las cosas, desarmar y volver armar aparatos y esta dispuesto a tener un buen día en el trabajo? entonces las siguientes oportunidades de empleo están esperando por ti después de completar el Certificado.

- Empleos con salarios altos en los niveles de entrada.
- Educación practica impulsada por la industria.
- Educación libre de deudas.
- Obtienes experiencia valiosa mientras asistes a la escuela.
- Oportunidades de empleo a largo plazo.
- Obtienes créditos transferibles para la Universidad.
- Muchas ofertas de reembolso de colegiaturas.
- Múltiples trayectorias de carreras dentro de nuestras empresas.

Muchas de las habilidades críticas que necesitamos las obtenes en Bridgerland Technical College en los programas de certificación como Automatización, Soldadura y en Técnico en ingeniería electrónica.

Puedes completar los programas de certificado durante los días en preparatoria, en el verano o algunos programas en la mañana. (AM STEM Academy) en sus escuelas preparatorias locales. Pregúntale a tu consejero escolar sobre cómo registrarte hoy.

www.bitech.edu/programs
www.bitech.edu/amstem

NORTHERN UTAH’S MANUFACTURING COMMUNITY

THESE ARE JUST A FEW OF THE COMPANIES LOOKING TO FIND TERRIFIC CANDIDATES

[List of company logos]
Bridgerland Technical College (BTECH) provides an exciting opportunity for advanced vocational/technical training. BTECH’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, BTECH classes are open entry throughout the school year and may be offered 1, 2, or 3 trimesters. To simplify the enrollment process at BTECH, every student who is planning on taking a course from BTECH needs to complete an “Admissions Form”. This form can be found on the internet by going to my.btech.edu. Grades 11-12.

AUTOMATED MANUFACTURING & ROBOTS (see previous information)
1 Technical credit per trimester Grades 11-12 Course #8542
Fees: $75 for entire year
You CANNOT register for this electronically. See your counselor to register. Do you like tearing things apart? Do you wonder how remote controls, mechanics, or electricity works? Explore the wide range of fun interactive projects using robotics, programming, pre-engineering skills, and more. Program and troubleshoot the brains of automation found in manufacturing today. Discover “real world” experiences with industry internships at recognized local companies. Don’t just play games….design, create and build things. Make your passion a rewarding career. Complete a BTECH industry recognized certificate shortly after graduation from high school. Complete 30 credits toward an associate’s degree at USU (equivalent to one year)—tuition free. Find out more at www.btech.edu/stem or mfuller@btech.edu (435) 750-3275

BTECH ANIMAL SCIENCES
Fees: $67-$133 Dissection kit, stethoscope, scrubs $25 Lab Supplies per trimester
Prerequisite: Juniors and Seniors only Course #8029
The Animal Sciences certificate program provides high school students with hands-on training to develop the skills needed to work as support staff in veterinary clinics, shelters, or other animal-based institutions. Skilled and experienced instructors with unique animal sciences backgrounds provide real-world training in relevant topics such as animal restraint, nursing care, radiology, lab procedures, blood collection, IV catheterization, dental cleanings, vaccines, physical exams, and client services. Students will also train on front office procedures. High school students transitioning to the adult program will be required to submit to a background check when they turn 18.
BTECH AUTO COLLISION
This fun program provides an opportunity to repair and paint modern vehicles. Instruction and hands-on labs 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.

BTECH AUTOMATED MANUFACTURING
Those in the Automated Manufacturing industry have some of the highest starting wages in the local area. Come learn valuable industry experience in industry-driven course. Courses include: Basic Electrical Theory and Wiring, Automation Technician Basics, Fluid Power Pneumatics and Hydraulics, Industrial Mechanics, Electrical Motor Controls, Electric Motors and drives, Programmable Logic Controllers 1, Sensors, Introduction to Industrial Robotics, Skills and Troubleshooting Certification.

BTECH AUTOMOTIVE SERVICE
Fees: approx. $5 safety equipment
This class 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.

BTECH BUILDING TECHNOLOGY
Fees: $40 refundable tool rental
Basic Carpentry – The Building Technology program gives the student hand-on experience in the actual construction of a home. The student will be involved in all phases from planning and estimating to foundation, framing, and finishing work. All of the classroom and building experiences are conducted by instructors who are experienced in general contracting and teaching. While the primary emphasis of this program is residential construction, certain processes found in commercial building are also covered.

BTECH BUSINESS TECHNOLOGY
Fees: $0-$120 consumable workbooks depending on subject area
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):

- Accounting I & II
- Adobe Suite
- Business Math
- Digital Applications
- Entrepreneurship
- Microsoft Application Software
- QuickBooks Pro (Pre-requisite of Accounting I)
- Social Media Marketing (Pre-requisite of Online Applications)
BTECH COSMETOLOGY  
Course #8093  
Fees:  Materials approx. $25-$450. Consumable workbooks, basic high school supply kit and uniform  

Prerequisite: must be 16 years old  
This class is held at the Brigham City BTECH campus and each student is responsible for their own transportation. Students learn the “why” during Cosmetology/Barbering theory classes. They learn the “how” while participating in practical demonstrations, hands-on classes, and through completion of service tasks on mannequins, live models and customers.  

Basic/Intermediate Skills:  Analysis, consultations, professionalism, hair & scalp care, wet & dry hairstyling, manicures and pedicures, safety and blood exposure, shampooing & draping, perms  
Intermediate/Advanced Skills:  haircutting-shears, clippers, razors, hair coloring/lightening, hair removal-tweeze/wax, business skills, barbering/shaves, facials/cosmetics/lashes, advance nails

BTECH CULINARY ARTS  
Course #8091  
Fees:  $35 Tool rental with $10 refundable when returned  
Do you have a passion for preparing and serving food? Discover the world behind the food industry, one of the largest employers in the nation. You will gain expertise in basic food preparation, safety, sanitation, catering, table setting, and clean-up as well as the proper use of knives and other culinary equipment. You will have the opportunity to bring all of these skills, combined with proper waiting/waitressing skills, together as you participate in four (4), five-hour culinary events during the course of your enrollment. Hair net required.

BTECH DENTAL ASSISTING  
Course #8294  
Fees:  $15-$35 per course for consumable materials  
Students will be trained in four-handed dentistry assisting; including general dental procedures, taking digital radiographs, passing instruments, pouring models, infection control and sterilization, taking impressions, and mixing cements. A variety of general office management skills, including scheduling appointments, telephone etiquette, insurance, etc. will be taught. Additionally, students may receive their Utah Oral Health and Safety Radiation Certificate.

BTECH DIESEL  
Course #8233  
Fees:  Approx. $28 for safety glasses and coveralls  
This is 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.

BTECH DRAFTING  
Course #8180  
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:  
- 3D Modeling and Animation Design  
- 3D Parametric Solid Modeling  
- Architectural 3D Modeling and Rendering  
- Architectural Drafting  
- Basic Computer Aided Drafting  
- Technical Drafting
BTECH DRUG DOSAGES AND CALCULATIONS  
Course #8326  
Fees: Approx. $90 book  
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 calculation as well as metric conversions. This course is encouraged for Pharmacy Technician students and a prerequisite for Bridgerland’s Practical Nursing Program. (Students must earn 80% or higher in the course to demonstrate competence requirements for Bridgerland programs).

BTECH ELECTRONIC ENGINEERING TECHNOLOGY  
Course #8219  
Electronic Engineering technicians are in high demand; come gain valuable industry experience in our industry driven courses. Courses include: Basic Electrical Theory and Wiring, Electronics Assembly and Soldering, Electronics Fundamentals DC, Electronics Fundamentals AC, Semiconductor Devices, Digital Fundamentals, Microcontrollers 1, Microcontrollers 2, Drone Piloting UAVs, Mobile Robotics Platforms, Plus electives.

BTECH FASHION MERCHANDISING AND DEVELOPMENT  
Course #8047, 8048, 8050  
Fees: $15-$20 consumable supply packets  
Prerequisite: Fashion Strategies  
Fashion Merchandising A – Learn the ins and outs of fashion promotion while working on a full-scale fashion show. Learn how to identify and analyze body proportions and body types to successfully select and style fashion wardrobes and accessories. Also learn marketing techniques; such as market research, advertising, and product packaging, used to develop new products in the cosmetic and fragrance industries. (Trimester 1)  
Fashion Merchandising B Dive into the industries of men’s and women’s apparel and accessories by learning about specific styles and the construction details from which they are composed. Learn how fashion trends of the past have influenced the industry today, and how the heavy hitters of today’s fashion design industry have found success. Try your hand at design as you go through the process of creating a collection on paper, gaining an understanding of fibers, construction, and textiles used in production of apparel along the way. (Trimester 2)  
Fashion Merchandising C – Discover the countless fashion career opportunities and the techniques needed to be successful. Learn the principles of store design and color psychology used in effective visual merchandising and display, as well as the techniques used in selling products and ideas in the retail industry. You will also have the opportunity to plan and produce a full-scale fashion show while gaining an understanding of promotional event planning. (Trimester 3)

BTECH HEAVY EQUIPMENT OPERATOR  
Course #8222  
Fees: $25  
Prerequisite: must have a valid driver’s license  
This course is designed to introduce 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: OSHA 10-hour Construction Safety Certification, Orientation to the Trade, Heavy equipment safety, Identification of Heavy equipment, Basic Operator Techniques, Introduction to Earth Moving, Determine and establish grades, Excavation Math, Operate loaders, Operate backhoes, Operate excavators, Operate skid steers.

BTECH INFORMATION TECHNOLOGY (IT)  
Course #8070  
Fees: $5-$30 fee per course – each course has a different fee  
Students may choose from the following courses when prerequisites are met:  
PC Professional ($30 fee) - Learn foundational IT concepts, including installing, configuring, and troubleshooting PC hardware and software. Students will tear-down and rebuild a PC and laptop as part of the course.  
Networking Technology ($30 fee) – students must take PC Professional before taking Network Technology. Students will gain the skills to design, configure, manage, and troubleshoot wired and wireless networks.
Security Essentials ($30) – students must take Networking Technology before taking Security Essentials. Students will learn how to secure networks from unauthorized activity through implementation of effective security policy, authentication, and encryption.

Introduction to Ethical Hacking ($5 fee)– Sample both defensive and offensive security in an introductory, projects-based course.

Linux Essentials ($5 fee) – Students will learn the basics of the Linux operating system, including command line, file management, and open-source applications.

AWS Cloud Foundations (Amazon Web Services) ($5 fee) - Gain a basic understanding of cloud concepts, AWS services, security, and architecture.

IT STEM Academy (see next course for details) – join students from 8 local high schools in an extracurricular IT STEM program. Course and labs are completed at YOUR high school. Upon completion of the program, students will receive a 900-hour certificate that counts as 30 credit hours towards an IT AAS and BS degree at USU.

BTECH IT STEM ACADEMY

Prerequisite: PC Pro for all courses.

This course is offered after school at the high school.

The IT STEM Academy provides IT training at your high school culminating in a 900-hour skills certificate and 30 credits toward AAS degree at USU. 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.

Year 1 Course Schedule: PC Professional, Raspberry Pi I, Python Programming, Web Dev. Essentials,

Year 2 Course Schedule: Networking Technology, AWS Cloud Foundations (Amazon Web Services), Linux Essentials, Intro to Ethical Hacking.

Students can receive up to 150 hours of certification credit for CTE/Technology classes taken at their high school. There are additional electives available in the summer or post-high at BTECH.

BTECH INTERIOR DESIGN

Are you a creative mind looking to develop skills in design? Learn the basics of interior design; including relevant design, furniture, and roof styles used today. You will learn how to translate your creative ideas and inspirations into 3D designs for residential and commercial spaces using software programs such as Photoshop, Illustrator, and InDesign. You will also create a brand for yourself as a future designer and build a professional portfolio from your work. Fees are used to provide supplies and materials for creative exercises.

BTECH MACHINING TECHNOLOGY

Fees: $10-$20 supplies and workbooks. Advance curriculum (after first tri): $75-$128

Do you enjoy making things, being creative, and solving problems? Manufacturing is the largest job market in Cache Valley, of which machining is a huge part. First trimester/semester will have the opportunity to participate in NASA’s HUNCH program where they will use computer-controlled machining to manufacture flight hardware for the International Space Station. Students will learn: basic and advanced manual mill & lathe, CAD/CAM using Mastercam, Machine programming, basic and advanced parts inspection.

BTECH MEAT SERVICES

Fees: $20 knife rental with $10 refundable when returned.

This hands-on course prepares students to work in an entry-level meat business with excellent career opportunities and high earning potential. Students learn harvesting of beef, pork, and lamb; wholesale, retail, and custom meat cutting practices; knife care, inspection, merchandising, and public relations. This department is equipped with state-of-the-art equipment and provides an amazing environment for meat cutting training.
BTECH 3D GRAPHICS
Course #8130

BTECH MEDICAL ASSISTING
Course #8299
Fees: $100-$310 for consumable materials
The Medical Assisting program prepares students to become an integral part of today’s healthcare system. Highly skilled instructors provide hands-on, ono-on-one instruction to students as they take vital signs, complete patient histories, administer injections, perform EKGs, learn phlebotomy skills, and assist with routine and specialty examinations as well as minor surgical procedures. Students also become proficient in administrative skills including scheduling, insurance, coding, basic accounting, medical office banking, and telephone techniques. High school students transitioning to the adult program will be required to submit to a background check when they turn 18.

BTECH MEDICAL TERMINOLOGY
Course #8290
Fees: Approx. $70 book
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 transcription, medical assisting, nursing assisting, nursing, physical therapy, and all other health-related fields. This is a prerequisite for the Bridgerland Practical Nursing and Medical Assisting programs and is strongly recommended for students who plan to pursue a health care career. Students must earn 80 percent or higher in the course to demonstrate competency requirements for Bridgerland programs.

BTECH NURSING ASSISTANT (CNA)
Course #8348
Fees: $140-$260 fees and supplies

Prerequisite: Must be 16 – preference given to seniors
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 requirement and 100 hours of training is required to receive certification. Attendance polices 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.

BTECH PHARMACY TECHNICIAN
Course #8292
Fees: $60 lab fee (one-time fee for school year)
Courses cover State and Federal law for pharmacy, key concepts in the workplace, terminology, calculations, prescriptions and prescription labels, routes and formulations, non-sterile compounding, basic biopharmaceutics, as well as common drugs and their uses. A special emphasis is placed on retail pharmacy settings. Hands-on labs skills used in pharmacy will be taught in conjunction with key concepts. Students must enroll for all three trimesters.

BTECH REAL ESTATE
Course #8068
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. The focus of the course also includes financing sources, customer relations, the use of advertising and the media, and careers in real estate. This is a one trimester course and is an exploratory experience that will not result in a real estate license.
BTECH WEB & MOBILE DEVELOPMENT  
Course #8065
Are you interested in creating and designing in digital spaces? Learn the fundamentals of coding, front-end and back-end development, and web design for various digital environments. You will also explore the areas of online marketing, photography, cinematography, freelancing, and more. You will discover and develop your own creativity and multimedia expertise through hands-on coding projects as your instructors lend one-on-one support and mentorship along the way.

BTECH WELDING  
Course #8259
Fees: $0-$80 supplies and workbook
This class 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 course are offered every trimester.

BTECH Wildland Firefighter  
Course #8210
Fees: $10 Fee, Approx. $20 books/supplies
Enjoy the outdoors? Wildland firefighters make good money! Travel the nation exploring very remote areas while maintaining a high level of fitness, adrenaline rush, and protecting people and their property. Learn how weather, topography, and other factors influence fire behavior. 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. If the 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 mile in 45 min with a 45lb. pack on).
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