

Mountain Crest High School

Registration Course Guidebook

2024-2025



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

GENERAL REGISTRATION INFORMATION AND THE STUDENT EDUCATIONAL OCCUPATION PLAN FOR COLLEGE AND CAREER READINESS

Current Utah State laws requires 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.

MCHS COUNSELING OFFICE

SCHOLARSHIP PAGE



COURSE BOOK



SHMOOP ACT TEST PREP



- Select Mountain Crest High School
- Enter Magic Word: HONEY
- Create an Account

COUNSELING OFFICE WEBSITE



YOUSCIENCE



MOUNTAIN CREST GRADUATION REQUIREMENTS

REQUIREMENT	BREAKDOWN	APPLIED OR ADVANCED
Language Arts (4 credits)	Language Arts 9 A & B Language Arts 10 A & B Language Arts 11 Writing Language Arts 11 Literature And 1.0 credit-additional applied or advanced courses	AP English, Advanced Creative Writing, Business Communications, BUSN 2200 Creative Writing, Debate, ENGL 1010, ENGL 2200, French 3 & 4, Literature, Humanities, Journalism, Mythology, Newspaper, SciFi/Fantasy, Spanish 3 & 4, Western Civ/USU 1320, 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 – US Government & Citizenship or AP US Government & Politics .5 credit – Social Studies Elective Plus, students must pass Utah’s required civics test	
Math (3 credits)	Secondary Math 1,2, and 3	AP Calculus, AP Statistics, Accounting 1, College Prep Math, Computer I & II Math 1050, Math 1060, Math of Personal Finance, Modern Math, Stats 1040
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, 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	
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 <u>or</u> FCSE 1350 <u>or</u> Personal and Family Finance and Individual Family Relationships, <u>or</u> 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

CLASSES THAT WILL NO LONGER COUNT TOWARDS FINE ARTS FOR GRADUATION STARTING WITH SCHOOL YEAR 2024-2025

- Social Dance
- Commercial Photo
- Video Tech and Production
- Interior Design
- Floriculture
- Humanities

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

Agricultural Mechanics Systems



Agricultural Mechanics Systems:
Classes that are required to finish this CTE Pathway.

Required Courses

- o Ag Mechanics & Tech - 2 A & B (1.0)

Elective Courses (2.0 credits)

- o Ag Biology A & B (1.0)
- o Ag Mechanics & Tech - 1 A & B (1.0)
- o Ag Mechanics, Advanced (.5)
- o Agricultural Science 1A & 1B (1.0)
- o Business Communication (.5)
- o Business Leadership 1 (.5)
- o CTE Internship (.5)

MCHS 23-24



Food Science, Dietetics & Nutrition



Food Science, Dietetics & Nutrition:
Classes that are required to finish this CTE Pathway.

Required Courses

- o Dietetics & Nutrition 1 (.5)

Elective Courses (2.5 credits)

- o Food & Nutrition (.5)
- o HDFS 1500/Human Dev. (.5)
- o Med Anatomy & Phys A (.5)
- o Med Anatomy & Phys B (.5)
- o Nutrition 1020 (.5)
- o CTE Internship (.5)

MCHS 23-24



Plant Science



Plant Science:
Classes that are required to finish this CTE Pathway.

Required Courses

- o Floriculture (.5)

Elective Courses (2.5 credits)

- o Agricultural Science 1A & 1B (1.0)
- o Ag Biology A & B (1.0)
- o Business Communication (.5)
- o Business Leadership 1 (.5)
- o Plant & Soil Science A OR (.5)
PSC 1800
- o CTE Internship (.5)

MCHS 23-24



Welding & Machining



Welding & Machining:
Classes that are required to finish this CTE Pathway.

Required Courses

- o BTECH Welding Tech, Entry (1.0)
- o BTECH Welding Tech, Interm (1.0)

Elective Courses (1.0 credit)

- o BTECH Welding Tech, Adv (1.0)
- o BTECH Machining 1 (1.0)
- o CTE Internship (.5)

MCHS 23-24



Business Information Management



Business Info. Management:
Classes that are required to finish this CTE Pathway.

Required Courses

- o Business Office Specialist (.5)

Elective Courses (2.5 credits)

- o Accounting 1/BUSN 1111 (.5)
- o Business Comm/BUSN2200 (.5)
- o USU Econ 1500 (.5)
- o Web Development 1 (.5)
- o BTECH Digital Media 1 (1.0)
- o BTECH Information Tech (1.0)
- o CTE Internship (.5)

MCHS 23-24



Marketing



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

Required Courses

- o Digital Marketing (.5)

Elective Courses (2.5 credits)

- o Accounting 1/BUSN 1111 (.5)
- o Business Comm/BUSN2200 (.5)
- o USU Econ 1500 (.5)
- o Marketing 1 (.5)
- o Sports & Entertainment Mktg (.5)
- o Web Development 1 (.5)
- o BTECH Digital Media 1 (1.0)
- o BTECH Real Estate (.5)
- o CTE Internship (.5)

MCHS 23-24



Finance



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

Required Courses

- o Accounting 1/BUSN 1111 (.5)
- o Accounting 2 (.5) *OR*
BTECH Accounting 2 (1.0)

Elective Courses (1.5-2.0 credits)

- o Business Comm/BUSN2200 (.5)
- o BTECH Real Estate (.5)
- o USU Econ 1500 (.5)
- o Marketing 1 (.5)
- o Sports & Entertainment Mktg (.5)
- o Web Development 1 (.5)
- o CTE Internship (.5)

MCHS 23-24



Business Administration



Business Administration:
Classes that are required to finish this CTE Pathway.

Required Courses

- o Business Mgmt/BUSN 1010 (.5)

Elective Courses (2.5 credits)

- o Accounting 1/BUSN 1111 (.5)
- o Business Comm/BUSN2200 (.5)
- o Leadership Mgmt Principles (.5)
- o USU Econ 1500 (.5)
- o Marketing 1 (.5)
- o Sports & Entertainment Mktg (.5)
- o Web Development 1 (.5)
- o BTECH Real Estate (.5)
- o BTECH Digital Media 1 (1.0)
- o CTE Internship (.5)

MCHS 23-24



Programming & Software Development



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

Required Courses

Only one of the following courses is required, but all can be taken & will count toward the pathway

- o Gaming Dev. Fundamentals 1 (.5)
- AND/OR*
- o Computer Program. 2/CS1400 (.5)

Elective Courses (2.0-2.5 credits)

- o Computer Programming 1 (.5)
- o Comp. Sci. Principles/CS 1030 (.5)
- o Exploring Computer Science (.5)
- o Robotics 1 (.5)
- o IT STEM (1.0)/BTECH Intro to IT
- o CTE Internship (.5)

MCHS 23-24



Web Development



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

Required Courses

- o Web Development 1 (.5)
- o Web Development 2 (.5)

Elective Courses (2.0 credits)

- o Comp. Sci. Principles/CS 1030 (.5)
- o Exploring Computer Science (.5)
- o IT STEM (1.0)/BTECH Intro to IT
- o BTECH Digital Media 1 (1.0)
- o CTE Internship (.5)

MCHS 23-24



Engineering



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

Required Courses

- o Engineering Principles 1 & 2 (1.0)
- OR*
- o Robotics 1 & 2 (1.0)
- OR*
- o Electronics 1 & 2 (1.0)
- *all can be taken to complete pathway

Elective Courses (0-2.0 credits)

- o CAD Architectural Design 1 (.5)
- o AM/Robotics STEM Academy (1.0)
- o Woods 1 (.5)
- o BTECH Welding, Entry (.5)
- o BTECH Machining 1 (1.0)
- o CTE Internship (.5)

MCHS 23-24



Protective Services



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

Required Courses

- o BTECH Wildland Firefighter (1.0)

Elective Courses (2.0 credits)

- o Behavioral Health, Intro (.5)
- o Exploring Computer Sci (.5)
- o Intro to Health Science (.5)
- o IT STEM Academy/BTECH IT (.5)
- o Law Enforcement (.5)
- o CTE Internship (.5)

MCHS 23-24



Exercise Science/ Sports Medicine



Exercise Science/Sports Medicine:
Classes that are required to finish this CTE Pathway.

Required Courses

- o WSU-Exercise Sci/Sports Med A (.5)
- o WSU-Exercise Sci/Sports Med B (.5)

Elective Courses (2.0 credits)

- o Intro to Health Science (.5)
- o USU HDFS 1500/Human Dev. (.5)
- o Intro to EMS (.5)
- o Med Anatomy & Physiology A (.5)
- o Med Anatomy & Physiology B (.5)
- o Medical Term./HEAL1008 (.5)
- o WSU Advanced Health Sci. A (.5)
- o WSU Advanced Health Sci. B (.5)
- o WSU Advanced Health Sci. C (.5)
- o CTE Internship (.5)

MCHS 23-24



Advanced Health Science



Advanced Health Science:
Classes that are required to finish this CTE Pathway.

Required Courses

- o WSU Advanced Health Sci. A (.5)
- o WSU Advanced Health Sci. B (.5)
- o WSU Advanced Health Sci. C (.5)

Elective Courses (1.5 credits)

- o Intro to Health Science (.5)
- o Intro to EMS (.5)
- o Med Anatomy & Physiology A (.5)
- o Med Anatomy & Physiology B (.5)
- o Medical Term./HEAL1008 (.5)
- o WSU-Exercise Sci/Sports Med A (.5)
- o WSU-Exercise Sci/Sports Med B (.5)

MCHS 23-24



Dental Assistant



Dental Assistant:
Classes that are required to finish this CTE Pathway.

Required Courses

- o BTECH – Dental Assist (1.0)

Elective Courses (2.0 credits)

- o Intro to Health Science (.5)
- o USU HDFS 1500/Human Dev. (.5)
- o Intro to EMS (.5)
- o Med Anatomy & Physiology A (.5)
- o Med Anatomy & Physiology B (.5)
- o Medical Term./HEAL1008 (.5)
- o WSU Advanced Health Sci. A (.5)
- o WSU Advanced Health Sci. B (.5)
- o WSU Advanced Health Sci. C (.5)
- o CTE Internship (.5)

MCHS 23-24



Medical Assistant



Medical Assistant:
Classes that are required to finish this CTE Pathway.

Required Courses

- o BTECH Medical Assistant (1.0)

Elective Courses (2.0 credits)

- o Intro to Health Science (.5)
- o USU HDFS 1500/Human Dev. (.5)
- o Intro to EMS (.5)
- o Med Anatomy & Physiology A (.5)
- o Med Anatomy & Physiology B (.5)
- o Medical Term./HEAL1008 (.5)
- o WSU Advanced Health Sci. A (.5)
- o WSU Advanced Health Sci. B (.5)
- o WSU Advanced Health Sci. C (.5)
- o CTE Internship (.5)

MCHS 23-24



Nurse Assistant (CNA)



Nurse Assistant (CNA):
Classes that are required to finish this CTE Pathway.

Required Courses

- o BTECH Nurse Assistant (1.0)

Elective Courses (2.0 credits)

- o Intro to Health Science (.5)
- o USU HDFS 1500/Human Dev. (.5)
- o Intro to EMS (.5)(Emerg Med Resp)
- o Med Anatomy & Physiology A (.5)
- o Med Anatomy & Physiology B (.5)
- o Medical Term./HEAL1008 (.5)
- o WSU Advanced Health Sci. A (.5)
- o WSU Advanced Health Sci. B (.5)
- o WSU Advanced Health Sci. C (.5)
- o CTE Internship (.5)

MCHS 23-24



Pharmacy Technician



Pharmacy Technician:
Classes that are required to finish this CTE Pathway.

Required Courses

- o BTECH – Pharmacy Tech (1.0)

Elective Courses (2.0 credits)

- o Intro to Health Science (.5)
- o USU HDFS 1500/Human Dev. (.5)
- o Intro to EMS (.5)
- o Med Anatomy & Physiology A (.5)
- o Med Anatomy & Physiology B (.5)
- o Medical Term./HEAL1008 (.5)
- o WSU Advanced Health Sci. A (.5)
- o WSU Advanced Health Sci. B (.5)
- o WSU Advanced Health Sci. C (.5)
- o CTE Internship (.5)

MCHS 23-24



Personal Care Services (Cosmetology)



Personal Care Services:
Classes that are required to finish this CTE Pathway.

Required Courses

Pathway can be completed with only the required course

- o Cosmetology (3.0)

Elective Courses

- o Accounting 1/BUSN 1111 (.5)
- o Business Mgmt/BUSN 1010 (.5)
- o CTE Internship (.5)

MCHS 23-24



Family & Human Services



Family & Human Services:
Classes that are required to finish this CTE Pathway.

Required Courses

- o Indiv. & Family Relationships (.5)
OR HDFS 2400/Indiv. & Family Rel (.5)
- o Personal & Family Finance (.5)

Elective Courses (2.0 credits)

- o Behavioral Health, Intro (.5)
- o Intro to Health Science (.5)
- o HDFS 1500/Human Dev. (.5)
- o CTE Internship (.5)

MCHS 23-24



Diesel



Diesel:

Classes that are required to finish this CTE Pathway.

Required Courses

- o BTECH – Diesel (1.0)

Elective Courses (2.0 credits)

- o Electronics I (.5)
- o BTECH Auto Service Tech (1.0)
- o BTECH Machining Tech (1.0)
- o BTECH Welding Tech (1.0)
- o CTE Internship (.5)

MCHS 23-24



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

LITERARY	PERFORMING	VISUAL
Author	Actor	Art Teacher
Editor	Choreographer	Artist/Graphic Artist
English Teacher	Composer	Cartoonist
Journalist	Dancer	Commercial Artist
Publisher	Model	Floral Designer
Technical Writer	Music Teacher	Interior Designer
Translator	Producer	Photographer

RECOMMENDED ELECTIVE COURSES IN SUPPORT OF ARTISTIC PATHS

LITERARY	PERFORMING	VISUAL
AP English	Band	AP Art
Creative Writing	Drill Team	Apparel Design
Debate	Cheerleading	Ceramics 1
English 1010	Choir	Ceramics 2
English 2010	Apparel Design	Ceramics 3
English 2200	Color guard	Commercial Photo 1
Foreign Language	Fashion Strategies	Commercial Photo 2
Humanities	Music 1010	Interior Design
Journalism/Yearbook/Newspaper	Orchestra	Painting 1
CTE Internships	Song Writing	Painting 2
USU 1320	CTE Internships	Printmaking
	THEA 1013	Sculpture
		Video Tech/Production
		CTE Internships

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.

BUSINESS CAREER OPTIONS

OFFICE TECHNOLOGY	BUSINESS ADMINISTRATION	ACCOUNTING/FINANCE	MARKETING SALES
Court Reporter Data Entry Clerk Legal Secretary Medical Records Office Clerk Paralegal Receptionist Secretary Travel Agent	CEO Hotel Manager Insurance Adjuster Personnel Manager Public Relations Director	Accountant Auditor Bank Teller Banker Business Owner Buyer Loan Officer Stockbroker Tax Preparer	Bill Collector Buyer Economist Fashion Merchandise Insurance Salesman Realtor Retail Clerk Sports Marketing Store Manager

RECOMMENDED ELECTIVE COURSES IN SUPPORT OF BUSINESS PATHS

OFFICE TECHNOLOGY	BUSINESS ADMINISTRATION	ACCOUNTING/FINANCE	MARKETING SALES
Accounting 1 & 2 AP English Business Communication Web Development 1 Web Development 2 Bus. Office Specialist or Exploring Computer Sci. ECON 1500 Foreign Language FCSE 1350 CTE Internships	Accounting 1 & 2 Business Communication Business Management Bus. Office Specialist or Exploring Computer Sci. ECON 1500 Financial Literacy Marketing STATS 1040 FCSE 1350 CTE Internships Web Development 1 Web Development 2	Accounting 1 & 2 Business Communication Business Management Bus. Office Specialist or Exploring Computer Sci. ECON 1500 Financial Literacy Marketing FCSE 1350 STATS 1040 CTE Internships	Accounting 1 & 2 Business Communication Business Management Bus. Office Specialist or Exploring Computer Sci. E-Commerce/Mktg. (BTECH) ECON 1500 Fashion Merchandising/Strat. Marketing STATS 1040 CTE Internships

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

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

RECOMMENDED ELECTIVE COURSES IN SUPPORT OF SCIENTIFIC PATHS

MEDICAL	ENGINEERING	NATURAL SCIENCE
Advanced Anatomy/Physiology AG Biology Anatomy/Physiology Animal Science AP Biology AP Calculus Biology Chemistry Dental Assisting ECON 1500 Human Growth/HDFS 1500 Intro to EMS Intro to Anatomy Medical Terminology Nurse Aide Nutrition Physics Psychology/1010 STATS 1040 CTE Internships	AP Calculus Chemistry Chemistry 1010 Drafting/CAD Electronics English 1010 Math 1050 Physics STATS 1040 CTE Internships	AG Biology Animal Science AP Biology AP Calculus Astronomy Biology/AP Biology Chemistry 1010 Chemistry Earth Science English 1010 Environmental Science Plant Science 1800 Physics STATS 1040 CTE Internships

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

EDUCATION	PERSONAL/CUSTOMER SERVICE	SOCIAL/GOVERNMENT
Audiologist Classroom Aides Coach Counselor Day Care Guidance Counselor Librarian Music Therapist Principal Special Education Speech Pathologist Teacher	Bus Driver Cashier Clergy/Minister Cosmetology Flight Attendant Funeral Director Hotel Management Manicurist Recreation Director Travel Agent Waiter/Waitress	Case Worker Corrections Officer Detective FBI Agent Firefighter Guard Judge Lawyer Military Careers Occupational Therapist Paralegal Policeman Psychologist Social Worker

RECOMMENDED ELECTIVE COURSES IN SUPPORT OF SOCIAL/HUMANITARIAN PATHS

EDUCATION	PERSONAL/CUSTOMER SERVICE	SOCIAL/GOVERNMENT
AP English Child Development/Child Care Debate English 1010 English 2010 English 2200 Foreign Language Human Growth/HDFS 1500 Peer Tutor Psychology/1010 Sociology CTE Internships	Biology/BIOL 1010 Chemistry Child Development/Child Care E-Commerce/Marketing (BTECH) Fashion Strategies Foreign Language Human Growth/HDFS 1500 Physical Education Psychology/1010 Sociology CTE Internships	American Government Debate English 1010 Foreign Language History Human Growth/HDFS 1500 Humanities Psychology/1010 Sociology STATS 1040 USU 1320 World History CTE Internships

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

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

RECOMMENDED ELECTIVE COURSES IN SUPPORT OF TECHNICAL PATHS

CONSTRUCTION/ MANUFACTURING	COMMUNICATIONS/EL ELECTRONICS	EQUIPMENT OPERATION	SPECIALTY SERVICES
Building Const. BTECH Diesel BTECH CAD Arch. Design Physics Furniture Design CTE Internships	Business Comm. Web Development 1 Web Development 2 Electronics 1 Electronics 2 Journalism Yearbook Light and Sound Digital Media PC Repair BTECH Commercial Photo 1 Commercial Photo 2 Physics Video/Tech Prod. CTE Internships	AG Systems 1 AG Systems 2 Auto Collision BTECH Auto Mechanics BTECH Diesel BTECH Machine Shop BTECH Physics CTE Internships	AG Systems 1 AG Systems 2 Sewing 1 Sewing 2 FCSE 1040 Cosmetology BTECH Foods & Nutrition 1 Dietetics and Nutrition 1 Culinary Arts BTECH CAD Architectural Design 1 Fashion Design Studio Machine Shop BTECH Meat Cutting BTECH CTE Internships

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 course work 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 BTECH 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 Language Arts, 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.

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:

ART STUDIO

BIOLOGY

CALCULUS

COMPARATIVE GOVERNMENT & POLITICS

ENGLISH LITERATURE & COMPOSITION

EUROPEAN HISTORY

HUMAN GEOGRAPHY

STATISTICS

US GOVERNMENT & POLITICS

US HISTORY

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. 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

BIOLOGY 1010
BUSN 1111
BUSN 2200
CHEMISTRY 1010
CS 1030
CS 1400
ECON 1500
ENGLISH 1010
ENGLISH 2010
ENGLISH 2200
HDFS 1500
HDFS 2400
HIST 1700
MATH 1050
MATH 1060
MUSIC 1010
NDFS 1020
FCSE 1040
FCSE 1350
PLANT SCIENCE 1800
POLITICAL SCIENCE 1100
PSYCHOLOGY 1010
SPED 1000
STATS 1040
TEAL 1010
THEA 1013
WESTERN CIVILIZATION/USU 1320

WSU CONCURRENT ENROLLMENT CLASSES

ADV HEALTH SCIENCE 1110, 1111
MEDICAL TERMINOLOGY 1101

SNOW COLLEGE

AGBS 1010

WHICH *Math Class* SHOULD I TAKE?

It's tempting to relax after you finish your last required math class in high school, but taking just one college level math course can fill university requirements before you even get to campus! Here are two options that complete the Quantitative Literacy (QL) requirement at all Utah public colleges and universities.

STAT 1040

Introduction to Statistics

Covers descriptive and statistical methods used to understand data.

Take this if you want to major in:

- English/Languages
- History
- Humanities
- Nursing
- Performing Arts
- Psychology
- Social Sciences

MATH 1050

College Algebra

Covers exploration of algebra topics including functions and equations.

Take this if you want to major in:

- Business
- Health Care
- Elementary Education
- Engineering
- Mathematics
- Science (like Biology, Chemistry, etc.)

If you still aren't sure which one is right for you, talk to your high school counselor for more information.

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 be a teacher or classroom at MCHS.

ART 1010
CHEM 1010
FCSE 1350
LAEP 1030
MUSC 1010
POLS 1100

BIOL 1010
CS 1030
HIST 1700
MATH 1050
PHYS 1010
STAT 1040

UTAH STATE UNIVERSITY



GENERAL EDUCATION CERTIFICATE OF COMPLETION

Accelerate your college journey and save money with a General Education Certificate of Completion. By earning this certificate, you can enter college ahead of your peers, enrolling in more advanced classes from the start. This paves the way for a faster college completion and an early career launch. USU's General Education Certificate of Completion is transferrable to all public universities in Utah, whether you're a Concurrent Enrollment student transitioning to USU after high school or if you choose to attend another institution. If you're interested, get in touch with your high school counselor to kickstart your certification process.

REQUIREMENTS

1. Successfully meet all USU general education requirements by visiting usu.edu/concurrent/general-education.
2. You have flexibility in fulfilling general education requirements, as they can be met through a combination of Concurrent Enrollment courses and AP test scores.

General education requirements set the stage for a diverse education, helping students gain important skills and knowledge for their future learning.

TRACK YOUR PROGRESS

1. Visit my.usu.edu to log into your USU account.
2. Under tools in the left navigation, click "Academic Records".
3. Select the "Degree Works" tool to view your Degree Works worksheet.
4. Scroll down to the General Education Requirements section to view your progress.



SCAN FOR MORE INFORMATION

usu.edu/concurrent/general-education-certificate

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

REQUIREMENTS:

- 3.3 cumulative high school GPA
- Complete 3 advanced courses
 - Complete 1 AP or CE course in each area:
 - English
 - Math
 - Science
- Complete and submit the FAFSA



ADVANCED COURSES AT MC:

- | | | |
|-----------------------|------------------|---------------------|
| • ENGLISH | • MATH | • SCIENCE |
| ◦ AP English Language | ◦ AP Calculus AB | ◦ AP Biology |
| ◦ CE English 1010 | ◦ AP Statistics | ◦ CE Chemistry 1010 |
| ◦ CE English 2200 | ◦ CE Stats 1040 | ◦ CE Physics 1010 |
| | ◦ CE Math 1050 | ◦ CE Biology 1010 |
| | ◦ CE Math 1060 | |

AWARD:

Amount varies based on funding and number of applicants.

QUESTIONS:

Email: scholarships@ushe.edu

Phone: 801.646.4812

USU General Education Requirements

Available at

Mountain Crest High School

3.0 GPA recommended

Competency Requirements

<p>Communications Literacy 1 Choose one:</p> <ul style="list-style-type: none"> <input type="radio"/> ENGL 1010 <input type="radio"/> AP English Composition (score of 3 or higher) <input type="radio"/> ACT English test score of 29 or higher <p>Communications Literacy 2</p> <ul style="list-style-type: none"> <input type="radio"/> English 2010 	<p>Quantitative Literacy Choose one:</p> <ul style="list-style-type: none"> <input type="radio"/> Math 1050 <input type="radio"/> AP Calculus (score of 3 or higher) <input type="radio"/> ACT Math test score of 25 or higher <input type="radio"/> STATS 1040
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Breadth Requirements

<p>Breadth American Institutions Choose one:</p> <ul style="list-style-type: none"> <input type="radio"/> ECON 1500 <input type="radio"/> POLS 1100 <input type="radio"/> AP Govt & Politics: IIS (score of 3 or higher) <input type="radio"/> AP US History (score of 3 or higher) <input type="radio"/> HIST 1700 (online only) 	<p>Breadth Life Sciences Choose one:</p> <ul style="list-style-type: none"> <input type="radio"/> PSC 1800 (2 semester course) <input type="radio"/> NDFS 1020 <input type="radio"/> Biology 1010
<p>Breadth Creative Arts Choose one:</p> <ul style="list-style-type: none"> <input type="radio"/> MUSC 1010 <input type="radio"/> AP Studio Art (score of 3 or higher) <input type="radio"/> THEA 1013 <input type="radio"/> LAEP 1030 (online only) <input type="radio"/> Art 1010 (online only) 	<p>Breadth Physical Sciences Choose one:</p> <ul style="list-style-type: none"> <input type="radio"/> CHEM 1010 <input type="radio"/> CS 1030 <input type="radio"/> Physics 1010(online only)
<p>Breadth Humanities Choose one:</p> <ul style="list-style-type: none"> <input type="radio"/> ENGL 2200 <input type="radio"/> AP English Literature (score of 3 or higher) <input type="radio"/> AP European History (score of 3 or higher) <input type="radio"/> USU 1320 (Humanities) 	<p>Breadth Social Sciences Choose one:</p> <ul style="list-style-type: none"> <input type="radio"/> HDFS 1500 <input type="radio"/> HDFS 2400 <input type="radio"/> PSY 1010 <input type="radio"/> AP Govt & Politics: Comp (score of 3 or higher) <input type="radio"/> BUSN 1010 <input type="radio"/> FCSE 1350
<p>Exploratory Breadth</p> <ul style="list-style-type: none"> <input type="radio"/> Choose one additional breadth course from any of the above 	

Non-General Education Elective Credits

Adv Health Science 1110, 1111*	MATH 1060	SPED 1000
AGBS 1010	FCSE 1040	BUSN 1111
CS 1400	BUSN 2200	TEAL 1010

*Weber State University credit, transferable to USU

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

2024-25 NATIONAL ACT TEST DATES

June 8, 2024	February 8, 2025
July 13, 2024	April 12, 2025
September 7, 2024	June 7, 2025
October 26, 2024	July 19, 2025
December 7, 2024	

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

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 (UTSC)
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.***

LANGUAGE ARTS

ENGLISH

Grade	Credit	Course
9	1.0	Language Arts 9 (required)
10	1.0	Language Arts 10 (required)
11	.5	Language Arts 11 Writing (required)
11	.5	Language Arts 11 Literature (required)
12	.5	Writing (1010, Creative Writing, AP English, Debate)
12	.5	Applied or Advanced

REQUIRED LANGUAGE ARTS 9 COURSES

LANGUAGE ARTS 9 A & B

1.0 Language Arts 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 LANGUAGE ARTS 10 COURSES

LANGUAGE ARTS 10 A & B

1.0 Language Arts 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)

LANGUAGE ARTS 10 HONORS A & B

1.0 Language Arts Credit

Grade 10

Course #

Must also take AP Language & Composition B

Language Arts 10 Honors is an accelerated course for advanced and motivated students looking for a more challenging experience and the opportunity to earn college credit. Those enrolled in Language Arts 10 Honors will study literature, fiction, poetry, and non-fiction aligned to the Utah ELA core in addition to coursework for AP English Language exam, which focuses on rhetorical analysis and argument writing. While college credit given varies by state and institution, most universities throughout Utah allot credit as follows for successfully passing the exam: 3 CL1 credits (equivalent to English 1010)

BUSINESS COMMUNICATIONS/BUSN 2200

Concurrent Enrollment 3 USU Credits

.5 Technical or English credit

Grades 11-12

Course #8547

Concurrent enrollment option of Business Communications.

CREATIVE WRITING 1

.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.

CREATIVE WRITING 2

.5 Elective English credit

Grades 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.

HIGH SCHOOL DEBATE 1A

.5 Elective English credit

Grade 9-12

Course #4064

This first trimester course will help students develop self-confidence, speaking skills, awareness of current social/political issues, and the ability to communicate ideas clearly and persuasively. The presentation and social skills developed make this class **valuable for all career interests**. In this class, students will learn and compete in a variety of speech-centered events and debate-centered events. Students enrolled in the course are expected to compete as part of the debate team. Therefore, students must meet all competition eligibility requirements, including a minimum of 2.0 GPA and 90% attendance in the preceding trimester in order to take the class.

HIGH SCHOOL DEBATE 1B

.5 Elective English credit

Grade 9-12

Course #4065

This second trimester course provides an extended opportunity for students to sharpen their speaking and debating skills. This class offers more in-depth analysis and writing, while providing more challenging competition. Students who plan on competing at the region or state tournament are expected to take this course. While it is beneficial to take Debate 1A prior to this course, it is not required. Students enrolled in the course are expected to compete as part of the debate team. Therefore, students must meet all the eligibility requirements, including a minimum of 2.0 GPA and 90% attendance in the preceding trimester in order to take this class.

LANGUAGE ARTS/ENGL 1010

Concurrent Enrollment 3 USU credits

Grade 12

Course #4050

.5 Elective English credit

Prerequisite: 3.0 GPA and completion of Language Arts 11

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).

LITERATURE/ENGL 2200

Concurrent Enrollment 3 USU credits

.5 Elective English credit

Grade 12

Course #4051

Prerequisite: 3.0 GPA and completed of Language Arts 11

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 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)

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.

LITERATURE & FILM – SPORTS LIT

.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 or Soc Studies 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.

LITERATURE & FILM – SCIFI/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)

CHINESE 1A & 1B

1 Elective Credit

Grades 9-12

Course #4757, 4758

This course will be focused on conversation 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)

CHINESE 2A & 2B

1 Elective Credit

Grades 10-12

Course #4748, 4749

Prerequisite: Mandarin Chinese 1

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

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 Chinese 2 with an emphasis on learning characters and culture through individual reading. \$\$ (NCAA)

CHINESE 4A & 4B

1 Elective Credit or Elective English credit

Grades 11-12

Course #4766, 4767

This course will be an intensive reading course designed to enhance Chinese 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 10-12

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:

Grade	Credit	Course
9	.5	World Geography 9
9-10	.5	Ancient World History, or
9-12	.5	Modern World History, or
10	1.5	AP European History
11	1.0/1.5	US History (1 credit) or AP US History (1.5 credits)
12	.5/1.0	US Government and Citizenship (.5 credit) or AP US Govt & Politics (1 credits)
9-12	.5	Social Studies Elective

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 spring. 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. *Grade 10 recommended. \$\$

ANCIENT WORLD HISTORY

.5 World 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. 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

US GOVERNMENT AND CITIZENSHIP

.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. \$\$

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.

ELECTIVE SOCIAL STUDIES COURSES

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. \$\$

AP HUMAN GEOGRAPHY A & B

1 elective Soc Studies credit

Grades 9-12

Course #6028

This course will be a two-trimester course that will help you earn your high school Geography credit as well as give you the opportunity to earn 3 credits in college if you pass the AP test at the end of the school year. In this course you will explore how humans have understood, used, and changed the surface of the Earth. You'll use the tools and thinking process of geographers to examine patterns of human population, migration and land use. Equivalent to GEOG 1300 or GEOG 1400 at USU. This course could potentially require 1 hour of reading every night.

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

Recommended: 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

Recommended: 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

Recommended: 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

Recommended: 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 or Soc Studies 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.

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

Recommended: 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

	Option 1 Regular	Option 2 Honors	Option 3 Extended Accelerated
9th	Secondary Math 1	Secondary Math 1 – Honors	Secondary Math 1 – Honors
10th	Secondary Math 2	Secondary Math 2 – Honors	Secondary Math 2 – Honors and Secondary Math 3 – Honors (blocked)
11th	Secondary Math 3 or an Applied Course with Parental consent	Secondary Math 3 – Honors	AP Calculus and/or AP Statistics
12th	Any Advanced or Applied Course (except AP Calculus)	Any Advanced or Applied course, preferably AP Calculus or AP Statistics	AP Calculus or AP Statistics (whichever one you didn’t take your 11 th grade year)

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 –HONORS A&B

1 Math credit

Grade 9

Course #5344, 5345

Extended math students will be introduced to matrices, vectors and logic in addition 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 – HONORS A&B

1 Math credit

Grade 10

Course #5347, 5348

Prerequisite: Secondary Math 1 – Honors

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 addition 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 – HONORS A&B

1 Math credit

Grade 11

Course #5349, 5350

Prerequisite: Secondary Math 2 – Honors

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 – Honors

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

COLLEGE PREP MATH A&B (PreCalc)

1 Math credit

Grade 10-12

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 Honors

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. \$\$\$. (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 (within the past 12 months).
- 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 learn basic techniques statisticians use to visualize and summarize data, some methods for determining what can be due to chance 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 (within the past 12 months)
- 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.

MODERN MATH A&B

1 Math credit

Grades 11-12

Course #5206, 5207

Prerequisite: Secondary Math 2

Modern 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 1 & 2

1 Technology, Core Science, 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.

EARTH SCIENCE <ul style="list-style-type: none"> ● Earth Science (9th grade) 	BIOLOGY <ul style="list-style-type: none"> ● General Biology ● Agriculture Biology ● AP Biology
CHEMISTRY <ul style="list-style-type: none"> ● General Chemistry ● Chemistry 1010 	PHYSICS <ul style="list-style-type: none"> ● Physics ● AP Physics

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. \$\$ (NCAA)

BIOLOGY

1 Core Science credit

Grades 9-12

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 Elective credit

Grades 11-12

Course #3034

Recommended: 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-Honors, 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 9-12

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. Instruction includes intermediate anatomy & physiology, medical terminology, diseases and disorders, and medical ethics. The class is designed to prepare students for the Advanced Health Science course and/or for a variety of health technology programs. (NCAA)

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 plants, 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 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.

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 LIFE STYLES

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

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 Required 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.

Participation Skills PE Courses

FITNESS ATHLETIC WEIGHTS/CONDITIONING

.5 PS 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. \$\$

LIFETIME SPORT & FITNESS (PE 11/12)

.5 PS 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.

PARTICIPATION SKILLS & TECHNIQUES

.5 PS PE credit

Grades 10-12

Course #7519

Students will learn how to apply the five components of fitness (muscular strength, muscular endurance, cardiorespiratory endurance, flexibility, and body composition/nutrition) through five or more individual or team lifetime activities. Students will learn skills and fundamental techniques for a variety of activities. Students will be evaluated on skills, techniques, and their knowledge of the five components of fitness.

Individual Lifetime Activities PE Courses**ATHLETICS (SKILLS)**

.5 ILA PE credit (one time only per sport)

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	

CHEER

1 ILA PE credit

Grades 9-12

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 ILA PE 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. \$\$

FITNESS WEIGHTS – BEGINNING WEIGHTS

.5 ILA PE credit

Grades 9-12

Course #7013

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. \$\$

SOCIAL DANCE 1

.5 ILA PE credit 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 ILA PE credit 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 ILA PE credit 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 ILA 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 ILA 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.

YOGA

.5 ILA 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!!

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. \$\$

CERAMICS 3

.5 Fine Art credit

Grades 10-12

Course #1122

Prerequisite: Ceramics 2

This advanced ceramic course is designed to offer a comprehensive and engaging experience for high school students passionate about ceramics and eager to further their artistic and technical skills in the field. Building on the foundational knowledge and skills gained in introductory ceramics courses, this advanced level class offers students the opportunity to refine their techniques, experiment with more complex forms, and delve into the creative and technical aspects of working with clay. This course will focus on portfolio development which can be valuable for college applications or future artistic pursuits. \$\$

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. \$\$

PAINTING 2

.5 Fine Art credit

Grades 9-12

Course #1104

Prerequisite: Painting 1

This class will give you the opportunity to continue with an emphasis in color theory, color mixing and opaque painting techniques. This class is designed for art students who are versed in color theory, value, and the ability to make things look 3-D, and would like to specifically focus on and advance in the realm of painting with opaque media. High quality artwork will be produced for art shows, competitions, the AP portfolio and/or scholarship portfolio.

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. \$\$

SOCIAL DANCE 1

.5 ILA PE credit or Fine Art Credit
(M)

Grades 9-12

Course #7017 (F), 7018

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 ILA PE credit 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 ILA PE credit 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.

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 is 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, songwriting 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 - ADVANCED A, B, C

1.5 Fine Art credit

Grades 9-12

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 – INTERMEDIATE 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

Recommended: 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. \$\$

UNDERSTANDING THEATRE/THEA 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 placed 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. \$\$

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.

Grade	Credit	Course
9-10	.5	Business Office Specialist or Exploring Computer Science
10-12	1	ANY Technical class

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 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.

AGBS 1010 – Introduction to Animal Agriculture

1 Technical credit

Grade 11-12

Course #8043, 8067

3 credits Snow College

Prerequisite: Animal Science A & B

Students will develop knowledge and skills in a wide range of animal agriculture principles, including anatomy and physiology, health maintenance, waste disposal, and facilities. Efficient production and effective management of animal enterprises are covered, including beef and dairy cattle, swine, sheep, goats, poultry, and equine.

AGRICULTURAL SCIENCE 1A & 1B

1 Technical or Science elective credit

Grade 9-12

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 encourages 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 credit

Grades 10-12

Course #8022

This class lasts one trimester and teaches skills in floral design including making corsages, boutonnières, 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 plants, 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.

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 10-12

Course #8415

Prerequisites: must have completed Marketing 1, Digital Marketing or Sports and Entertainment Marketing, and Accounting 1

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. Students will take an active roll in managing our student enterprises “Hoof Prints” and “The Sippin’ Stang”.

BUSN 1010 Business Principles (Business Management)

Concurrent Enrollment 3 USU credits

.5 Technical Credit

Grades 11-12

Course #8374

Prerequisites: 3.0 GPA, must have completed Marketing #1, Digital Marketing or Sports and Entertainment Marketing, and Accounting 1.

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 enterprises “Hoof Prints” and “The Sippin’ Stang”

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, 1&2

1 Technology, Core science, 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 #8697

Recommended: *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

Recommended: *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 or Core Science 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.

BUSINESS LEADERSHIP

.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 are of life!

DIGITAL MARKETING/SOCIAL MEDIA

.5 Technical credit

Grades 10-12

Course #8058

Prerequisite: Must have completed Marketing #1

Digital Marketing is designed to give students a general background in digital marketing and an introduction to the rapidly growing and evolving career field. Students will be exposed to the fundamental concepts and principles of the digital experience, focus on the learning tolls and skills necessary for solving business problems, and developing marketing opportunities. This course will provide practical experience in, but not limited to: eCommerce, media planning, branding, online advertising, digital campaigns, social media marketing, and mobile media.

DIGITAL MEDIA 1

.5 Technical credit

Grades 9-12

Course #8395

Are you ready to see, hear, and experience Digital Media “APPS”? Digital Media is a **NEW** class offered at MCHS that is designed to provide students with the basic knowledge and skills related to the graphic design industry. Come and learn how to design your own 2D and 3D graphics, and animation and much, much more. The skills learned in this class can prepare students for multiple career pathways and help get one step closer to achieving educational goals.

ECONOMICS 1500

Concurrent Enrollment 3 USU credits

.5 Technical or Social Studies elective credit

Grades 11-12

Course #6051

Recommended: 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 9-10

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

Recommended: 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.

MARKETING 1

.5 Technical credit

Grades 10-12

Course #8054

Marketing 1 explores the seven core functions of marketing which include: Market Planning, Marketing Information Management, Pricing, Product/Service Management, Promotion, Channel Management, and Selling. Students will utilize knowledge in hands-on projects which may include: conducting market research, creating a promotional plan, pitching a sales presentation and introducing an idea for a new product/service.

SPORTS AND ENTERTAINMENT MARKETING

.5 Technical credit

Grades 9-12

Course #8059

Prerequisite: Must have completed Marketing 1.

This is an introductory course that will help students gain an understanding of marketing concepts as they apply to the sports and entertainment industry. The areas this course will cover include: core marketing standards, market segmentation, target marketing, the event marketing triangle, sports and entertainment promotion marketing plans.

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.

UNMANNED AERIAL SYSTEMS/AV1900

Concurrent Enrollment 3 USU credits

.5 Technical credit

Grades 11-12

Course #8206

Through the study of flight safety principles, basic weather theory, sectional charts, and federal regulations, this course will prepare students to fly drones for commercial purposes and prepare them for the optional FAA Part 107 small drone commercial exam. The course also explores the history, present uses, and future potential of Unmanned Aerial Systems in commercial operations. Students will also learn basic flight theory and practice flying small, remotely piloted quadcopter and other types of drones.

FAMILY AND CONSUMER SCIENCE

INDIVIDUAL AND FAMILY RELATIONSHIPS

.5 Technical

Grades 11-12

Course #8109

Individual and Family Relationships and Personal and Family Finance is a two-part course. You must register for Part A first which is Individual & Family Relationships, and then take Part B which is Personal and Family Finance. Financial topics will be integrated into the relationships instead of being taught separately. This course gives you financial credit with you have completed both A and B sections.

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

Individual and Family Relationships and Personal and Family Finance is a two-part course. You must register for Part A first which is Individual & Family Relationships, and then take Part B which is Personal and Family Finance. Financial topics will be integrated into the relationships instead of being taught separately. This course gives you financial credit with you have completed both A and B sections.

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 is 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 will understand the aspects of child growth and development, positive guidance techniques, and child-related issues. Learning activities, observation techniques, and lab experiences in the on-site preschool. Working with young children will be included. Birth to 11 years.

EARLY CHILDHOOD EDUCATION 1

.5 Technical credit

Grades 11-12

Course #8160

Prerequisite: Child Development

This course introduces students to child-related careers and the Child Development Associate Credential (CDA). Instruction is given regarding developmentally appropriate practices (DAP) and curriculum and facility design for young children. Early Childhood Education lab training in a nearby day care facility and onsite preschool will be a part of the course. This course will strengthen comprehension of concepts and standards outlined in Science, Technology, Engineering and Math (STEM) education. Student leadership and competitive events (FCCLA) may be integrated into this course. Previous completion of Child Development course is REQUIRED.

EARLY CHILDHOOD EDUCATION 2

.5 Technical credit

Grades 11-12

Course #8161

Prerequisite: Child Development and Early Childhood Education 1

This course provides students an opportunity to work with children in a professional lab setting. Instruction given includes: applying developmentally appropriate practices (DAP) and teaching lessons to children, maintaining a healthy

environment for children, and developing positive relationships with children. On-site lab experiences will be a major component of the course. Students will continue preparing for the Child Development Associate Credential (CDA). This course will strengthen comprehension of concepts and standards outlined in Science, Technology, Engineering and Math (STEM) education. Student leadership and competitive events (FCCLS) may be integrated into this course. The Child Development and Early Childhood Education 1 curriculum courses are REQUIRED prerequisites.

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 use 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

Recommended: 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

Recommended: 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 the foundation course in the Culinary Pathway and Food Science, Dietetics and Nutrition Pathway. Experiences will include food safety and sanitation, culinary techniques, food selection, and basic nutrition with a focus on career readiness. Student leadership and competitive events (FCCLA) may be integrated into this course. \$\$

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 Technical credit

Grades 9-12

Course #8131

This course explores the field of interior design through engaging learning activities. Identification and use of the elements and principles of design are emphasized. Other topics are furniture arrangements, floor plan evaluation, space planning and design related careers. Skills learned can be applied to current living environments and future career options. This course will strengthen comprehension of concepts and standards outlined in Science, Technology, Engineering and Math (STEM) education. FCCLA may be an integral part of this course. \$\$

INTERIOR DESIGN 2

.5 Technical Credit

Grades 10-12

Course #8132

Prerequisite: Interior Design 1

This course provides students the opportunity to develop skills in applying the elements and principles of design to interiors. Projects are integrated throughout the course to provide applications as the students' study: architecture, furniture styles and constructions, surface treatments and backgrounds, design and function of space and lighting. FCCLA may be an integral part of this course. \$\$

NDFS 1020

Concurrent enrollment 3 WSU credits

.5 Technical credit/.5 Science credit

Grades 11-12

Course #8345

Recommended: 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. \$\$

TEAL 1010 – Introduction to Education

Concurrent enrollment 3 USU credits

.5 Technical credit

Grades 11-12

Course #8804

Students will assess themselves as prospective teachers. Opportunities provided for students to observe in public schools (K-12), as well as to complete volunteer service in other community educational settings.

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

Recommended: 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. \$\$

EMERGENCY MEDICAL RESPONSE (FIRST AID)

.5 Technical credit

Grades 9-12

Course #8314

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 is 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. \$\$

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. Instruction includes intermediate anatomy & physiology, medical terminology, diseases and disorders, and medical ethics. The class is designed to prepare students for the Advanced Health Science course and/or for a variety of health technology programs. (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

COMMERCIAL PHOTOGRAPHY 1

.5 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 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. 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 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

IT STEM ACADEMY

.5 Technical credit per trimester

Grades 10-12

Course #8070

You CANNOT register for this class electronically. See your counselor to register.

IT STEM Academy is a cooperative effort between two local schools, Bridgerland Technical College and Utah State University, providing 9th through 12 grade students IT training and certifications at their school. Upon completion of IT STEM academy, students can receive a 600-hour Information Technology certificate along with industry certifications throughout the program. Students will also receive 20 credits toward an Associate of Applied Science at USU. All software, lab materials, and supplies are provided at no cost. CompTIA exam fees are extra.

- **Year 1** – Students will learn about the field of IT through curriculum designed to prepare for the PC Pro certification. The A+ Core 1 and Core 2 are designed to also prepare for the optional CompTIA A+, an industry standard certification.
- **Year 2** – Students will learn about Computer Networks, Data Analytics, and entry-level Cybersecurity. Content in Year 2 is designed to prepare for the optional CompTIA Network+ and Security+ exams.

YES! Students will receive two IT Pro certifications offered through TestOut Corporations upon completion of courses. Highly motivated students can earn additional CompTIA industry certifications in A+, Network+, and Security+. See your counselor for more information.

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 $\frac{1}{4}'' = 1''-0''$ 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.

INDIVIDUAL AND FAMILY RELATIONSHIPS

.5 Technical

Grades 11-12

Course #8109

Individual and Family Relationships and Personal and Family Finance is a two-part course. You must register for Part A first which is Individual & Family Relationships, and then take Part B which is Personal and Family Finance. Financial topics will be integrated into the relationships instead of being taught separately. This course gives you financial credit with you have completed both A and B sections.

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 10-12

Course #8115

Individual and Family Relationships and Personal and Family Finance is a two-part course. You must register for Part A first which is Individual & Family Relationships, and then take Part B which is Personal and Family Finance. Financial topics will be integrated into the relationships instead of being taught separately. This course gives you financial credit with you have completed both A and B sections.

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

Recommended: 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. A limited number of students will be able to 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.

MUSTANG ACADEMY

.5 Elective Credit

Grade 9

Course #9715

Mustang Academy is a required freshman transition class designed to teach students the best way to do high school and how to stay on track for graduation. Students will learn a process of understanding how to manage emotions, set and achieve positive goals, establish and maintain positive relationships, and make responsible decisions. Students will learn what it means to be part of the Mustangs and to "Be The Difference" in everything they do.

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.

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.

Yes! Great, high-paying jobs in Northern Utah are waiting for you!



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**

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



INCREÍBLES TRABAJOS en el norte de Utah están esperando por ti.



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 dolares 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 como funcionan las cosas, desarmar y volver a armar aparatos y estas 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 creditos transferibles para la Universidad.
- + Muchas ofertas de reembolso de colegiaturas.
- + Múltiples trayectorias de carreras dentro de nuestras empresas.

Muchas de las habilidades criticas que necesitamos las obtienes en Bridgerlan 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 como registrarte hoy.



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

**NORTHERN UTAH'S
MANUFACTURING COMMUNITY**

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



BRIDGERLAND TECHNICAL COLLEGE

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

SOPHOMORES MAY NOT ENROLL IN BTECH CLASSES

STUDENTS MUST ENROLL IN PREREQUISITE CLASSES TAUGHT AT MCHS BEFORE BEING ALLOWED TO TAKE ADVANCE COURSED AT BTECH.

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 students 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

Course #8223

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

Course #8542

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

Course #8228

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

Course #8215

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

Course #8353

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

Class is held at the Brigham City Campus

Prerequisite: must be 16 years old

Bridgerland Technical College is participating in a statewide alignment project involving all Utah technical colleges. Alignment increased the time necessary in supervised services, requiring more one-on-one faculty assistance in the salon. This change, in conjunction with the program's popularity, created a need to move to a competitive application for high school seniors to enroll.

Additionally, there is a mandatory parent & student meeting. Parent meeting participation is required for students to be considered for enrollment in the fall of 2024. The meeting will be available through Zoom. A 2-period minimum enrollment block is required.

Students learn the “why” during Cosmetology 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

Safety & Blood Exposure

Hair & Scalp Care

Shampooing & Draping

Wet & Dry Hairstyling

Perms

Manicures & Pedicures

Intermediate – Advanced Skills

Haircutting – shears, clippers, razors

Barbering/Shaves

Hair Coloring/Lightening

Facials/Cosmetics/Lashes

Hair Removal – tweeze/wax

Advanced Nails

Business Skills

Students must attend one theory class per day; no theory classes are scheduled after 2:00 p.m. Student must purchase their needed materials/supplies (HS kit, books, and uniform) within the first 3 days of class.

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

Course #8070

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

Course #8128

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

Course #8257

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

Course #8097

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

Learn tools and techniques to develop creative internet and print materials. Develop an understanding of the current software applications and methods for design. Build a strong foundation in the diverse fields of graphic design, digital video, and multimedia design. Courses include: Computer Graphic Design, Computer Illustration, Desktop Publishing, Web Design, Video production, Animation.

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, one-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 policies are rigidly

enforced. Students must provide their own transportation to clinical facilities. Recommended for the Bridgerland Practical Nursing Program and required for most nursing programs.

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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