

Ridgeline High School

Registration Course Guidebook
2019-2020



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

Civil Rights/Section 504 Grievance Procedure Local Procedure

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

Step 2: If the complainant wishes to appeal the decision of the Coordinator, she/he may submit a signed statement of appeal to the Superintendent of Schools within 10 business days after receipt of the Coordinator'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 ninth through twelfth 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 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 OCCUPATIONAL PLAN FOR COLLEGE AND CAREER READINESS

Current Utah State laws require all secondary students to have a Plan for College and Career Readiness (PCCR). The PCCR is jointly developed by the student, a parent, and an educator. 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 in 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, assuring 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 admission. The elective courses should be used to meet those additional requirements.
3. Study the course description booklet and select appropriate classes. Refer to the courses you selected on the 4-Year Educational Plan or your most current PCCR.

Ridgeline GRADUATION PATH:
For students graduating in 2020 and 2021

REQUIREMENT	BREAKDOWN	APPLIED OR ADVANCED
Language Arts (4 credits)	English 9 English 10 Writing English 10 Literature English 11 Writing English 11 Literature <i>and</i> 1.0 credit - additional applied or advanced courses	Humanities, Journalism, AP English, Newspaper, Creative Writing, English 1010, English 2200, Debate, Business Communications, Sports Literature, and Novels and Short Stories and English 12 Writing, Mythology, Film History and Analysis, Yearbook
Social Studies (3 credits)	.5 credit - Geography .5 credit – Ancient World, Modern World, or AP European History 1.0 credit - US Studies or AP American History .5 credit - American Government or AP US Government & Politics .5 credit - Financial Literacy or Adult Roles/Financial Literacy or Busn1021 (Personal Fin. Planning) Plus, students must pass Utah's required civics test	
Math (3 credits)	Secondary Math 1, 2 and 3 Successful completion of Calculus meets all Math Graduation requirements regardless of credits earned.	Pre-calculus, Math 1050, Math 1060, AP Calculus, AP Statistics, Accounting I, Accounting 2, Accounting 1050, Computer Programming 1A&B, Math of Personal Finance, Stat 1040
Science (3 credits)	2.0 credits - one each from two of the four Science areas; Earth Systems, Biology, Ag. Biology, Chemistry, Physics 1.0 credit - additional applied, foundation or advanced	Animal Science, Astronomy, Physics with Technology, Medical Anatomy/Physiology, Botany, AP Environmental Science, Environmental Science, Biology 1010, Chemistry 1010
Healthy Life Styles (2 credits)	.5 credit - Health 1.0 credit - Core 9, 10, or 11 PE .5 credit - other PE classes	
Fine Arts (1.5 credits)	1.5 credit - Any Fine Arts class	
Technical (1.5 credits)	.5 credit - Computer Technology or Exploring Computer Science and 1.0 credit - any Technical class	
Elective (7.5 credits)	Other classes in support of PCCR	

CREDITS FROM REQUIRED CLASSES: 18

CREDITS FROM ELECTIVES: 8

CREDITS REQUIRED FOR GRADUATION: 26

Ridgeline GRADUATION PATH:
For students graduating in 2022 and beyond

REQUIREMENT	BREAKDOWN	APPLIED OR ADVANCED
Language Arts (4 credits)	English 9 English 10 Writing English 10 Literature English 11 Writing English 11 Literature <i>and</i> 1.0 credit - additional applied or advanced courses	Humanities, Journalism, AP English, Newspaper, Creative Writing, English 1010, English 2200, Debate, Business Communications, Sports Literature, and Novels and Short Stories and English 12 Writing, Mythology, Film History and Analysis, Yearbook
Social Studies (3 credits)	.5 credit - Geography .5 credit – Ancient World, Modern World, or AP European History 1.0 credit - US Studies or AP American History .5 credit - American Government or AP US Government & Politics .5 credit - Social Studies Elective <i>Plus, students must pass Utah's required civics test</i>	
Math (3 credits)	Secondary Math 1, 2 and 3 Successful completion of Calculus meets all Math Graduation requirements regardless of credits earned.	Pre-calculus, Math 1050, Math 1060, AP Calculus, AP Statistics, Accounting I, Accounting 2, Accounting 1050, Computer Programming 1A&B, Math of Personal Finance, Stat 1040
Science (3 credits)	2.0 credits - one each from two of the four Science areas; Earth Systems, Biology, Ag. Biology, Chemistry, Physics 1.0 credit - additional applied, foundation or advanced	Animal Science, Astronomy, Physics with Technology, Medical Anatomy/Physiology, Botany, AP Environmental Science, Environmental Science, Biology 1010, Chemistry 1010
Healthy Life Styles (2 credits)	.5 credit - Health 1.0 credit - Core 9, 10, or 11 PE .5 credit - other PE classes	
Fine Arts (1.5 credits)	1.5 credit - Any Fine Arts class	
Technical (1.5 credits)	.5 credit - Computer Technology or Exploring Computer Science <i>and</i> 1.0 credit - any Technical class	
Financial Literacy (.5 credit)	Financial Literacy <i>or</i> Adult Roles/Financial Literacy	
Elective (7.5 credits)	Other classes in support of PCCR	

CREDITS FROM REQUIRED CLASSES: 18

CREDITS FROM ELECTIVES: 7.5

CREDITS REQUIRED FOR GRADUATION: 26

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 in or near Cache Valley. Bridgerland Technology College, Utah State University, Weber State University, Stevens Henager Business College, and ITT Center 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: RHS 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 Technology College offers most of its courses to high school students. Students may enroll in these courses tuition free. Transportation to and from Bridgerland is provided from RHS. Classes are available all hours of the day, and are offered in two blocks of time: 1st and FLEX periods, or 4 and 5 periods. In order to register for a BTECH class, a student should be a junior or senior. Students should pre-register for BTECH courses at <https://my.BTECH.edu/students/high-school-students/> or see their counselor. FRESHMEN AND SOPHOMORES MAY NOT ENROLL IN BTECH COURSES.

RECOMMENDATIONS FOR COLLEGE – BOUND STUDENTS

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

Four years of English, including 4th year writing.

Four years of Math (one college level course)

Three years of Science (Life, Physical, and Elective)

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 consider CE and AP courses in line with their Plan for College and Career Readiness (PCCR). These courses are a fraction of the cost when taken in high school.

NCAA CLEARINGHOUSE

If you plan on competing in any college sport you must register with the NCAA Clearinghouse. You must take certain core academic classes each year of high school. If you do not meet these strict NCAA requirements you may lose eligibility and not be allowed to compete in college athletics. Talk to your counselor immediately or go to www.eligibilitycenter.org for more information. **These are projected approved courses for Ridgeline.**

English

AP ENGLISH
 CREATIVE WRITING
 DEBATE
 ENGLISH 10 LIT
 ENGLISH 10 WRITING
 ENGLISH 1010
 ENGLISH 11 LIT
 ENGLISH 11 WRITING
 ENGLISH 2200
 ENGLISH 9 LIT
 ENGLISH 9 WRITING
 HUMANITIES
 MYTHOLOGY
 NOVELS AND SHORT STORIES
 SPORTS LITERATURE AND FILM
 WESTERN LITERATURE

Social Science

AMERICAN GOVERNMENT
 ANCIENT WORLD HISTORY
 AP EUROPEAN HISTORY
 AP GOVERNMENT AND POLITICS
 AP US HISTORY
 CURRENT ISSUES
 ECON 1500
 H/GROWTH HDFS 1500
 HISTORY 1700
 HUMANITIES
 MODERN WORLD HISTORY
 POLITICAL SCIENCE 1100
 PSYCHOLOGY
 PSYCHOLOGY 1010
 SOCIOLOGY
 US HISTORY
 WORLD GEOGRAPHY

Mathematics

AP CALCULUS AB
 AP CALCULUS BC
 AP STATISTICS

MATH 1050
 MATH 1060
 PRECALCULUS
 SECONDARY MATH 1
 SECONDARY MATH 1 HONORS
 SECONDARY MATH 2
 SECONDARY MATH 2 HONORS
 SECONDARY MATH 3
 SECONDARY MATH 3 HONORS
 STAT 1040

Natural/Physical Science

AP BIOLOGY
 AP CHEMISTRY
 AP ENVIRONMENTAL SCIENCE
 AP PHYSICS
 ASTRONOMY
 BIOLOGY
 BIOLOGY 1010
 BOTANY
 CHEMISTRY
 CHEMISTRY 1010
 EARTH SCIENCE
 ENV SCIENCE
 GEOLOGY 1010
 PRINCIPLES WITH TECHNOLOGY

Lab

X
 X
 X

 X
 X

 X
 X

 X
 X

Additional Core Courses

CHINESE 1
 CHINESE 2
 CHINESE 3
 FRENCH 1
 FRENCH 2
 FRENCH 3
 GERMAN 1
 GERMAN 2
 GERMAN 3 (German 1010)
 GERMAN 4
 SPANISH 1
 SPANISH 2
 SPANISH 3
 SPANISH 4

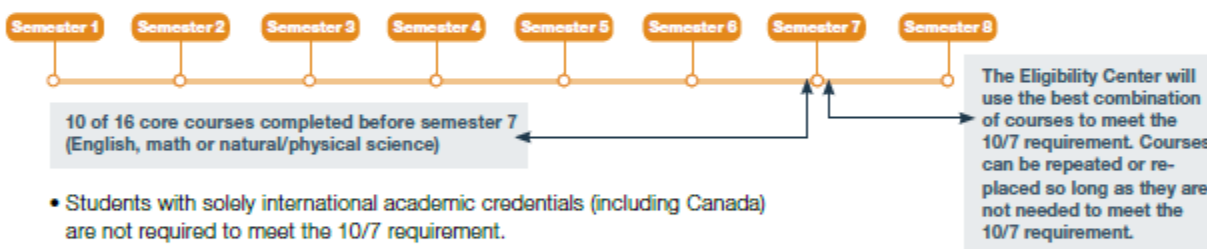
DIVISION I ACADEMIC STANDARDS

Division I schools require you to meet academic standards for NCAA-approved core courses, core-course GPA and test scores. To be eligible to practice, compete and receive athletics scholarships in your first full-time year at a Division I school, you must graduate from high school and meet *all* of the following requirements:

1. Complete a total of 16 core courses in the following areas:



2. Complete 10 of your 16 core courses, including seven in English, math or natural/physical science, before the start of your seventh semester. Once you begin your seventh semester, you must have more than 10 core courses completed to be able to repeat or replace any of the 10 courses used to meet the 10/7 requirement.



3. Complete the 16 NCAA-approved core courses in eight academic semesters or four consecutive academic years from the start of ninth grade. If you graduate from high school early, you still must meet core-course requirements.
4. Earn an SAT combined score or ACT sum score that matches your core-course GPA (minimum 2.300) on the Division I full qualifier sliding scale. Review the sliding scale on page 19 to ensure your score meets Division I requirements.

How to plan your high school courses to meet the 16 core-course requirement:

$$4 \times 4 = 16$$

- 4 English courses (one per year)
- + 4 math courses (one per year)
- + 4 science courses (one per year)
- + 4 social science (and/or additional) courses (one per year)

16 NCAA core courses

Your NCAA Eligibility Center Checklist

Deadline	Task
<input type="checkbox"/> Start of Freshman Year	Download the list of NCAA core courses offered at your school—and the NCAA Core Course GPA Calculator worksheet—before you meet with your guidance counselor.
<input type="checkbox"/> Start of Freshman Year	Review the NCAA core course requirements with your counselor. Take at least one approved core course in each of the following: Math, English, Natural/Physical Science and Social Science or Foreign Language.
<input type="checkbox"/> Freshman Year	Create your free NCAA profile account.
<input type="checkbox"/> Start of Sophomore Year	Review your transcript with your counselor to ensure you're on the track to meet the NCAA core course requirements. Take at least one approved core course in the following: Math, English, Natural/Physical Science and Social Science or Foreign Language.
<input type="checkbox"/> Sophomore Year	Take the PSAT to familiarize yourself with standardized tests.
<input type="checkbox"/> End of Sophomore Year	Receiving DI or DII interest? Create an NCAA Certification Account (cost: \$90 for athletes in the U.S., Canada, and U.S. Territories and \$150 for international athletes).
<input type="checkbox"/> Start of Junior Year	Review your transcript with your counselor to ensure you're on the track to meet the NCAA core course requirements. Take at least one approved core course in Math, English, Natural/Physical Science and Social Science or Foreign Language. <i>**At the end of this year 10 of your 16 core course grades are "locked in." You must complete 7 of the 10 core courses required in Math, English or Natural/Physical Science.</i>
<input type="checkbox"/> Start of Junior Year	Have your counselor send your transcript to the NCAA Eligibility Center.
<input type="checkbox"/> Start of Junior Year	Take your first ACT and/or SAT—this will give you time to take it again if you need to. Use school code "9999" to have your scores sent to the NCAA.
<input type="checkbox"/> End of Junior Year	Review your transcript with your counselor to ensure you're on track to meet the NCAA core course requirements. Focus on the 10 core course rule.
<input type="checkbox"/> End of Junior Year	Have your counselor send your transcript to the NCAA Eligibility Center.
<input type="checkbox"/> Start of Senior Year	Review your transcript with your counselor to ensure you're on track to meet the NCAA core course requirements. You should know the exact courses you will need to hit eligibility based on your meeting at the end of your junior year.
<input type="checkbox"/> Start of Senior Year	Take your second ACT and/or SAT again if necessary. Use school code "9999" to have your scores sent to the NCAA.
<input type="checkbox"/> Senior Year	Complete your amateurism questionnaire within your NCAA Certification Account.
<input type="checkbox"/> April 1 of Senior Year	Request your final Amateurism Certification within your Certification Account.
<input type="checkbox"/> End of Senior Year	Have your counselor send your final high school transcripts and proof of graduation to the NCAA Eligibility Center.

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. AP Exams contain multiple-choice questions and a free-response section, except for the Studio Art exams, which are portfolio assessments. 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 \$95.00 for each examination.

The following AP classes may be offered at Ridgeline:

BIOLOGY	ENGLISH LITERATURE &	STATISTICS
CALCULUS	COMPOSITION	STUDIO ART
CHEMISTRY	ENVIRONMENTAL SCIENCE	U.S. GOVERNMENT & POLITICS U.S.
COMPARATIVE GOVERNMENT &	EUROPEAN HISTORY	HISTORY
POLITICS	PHYSICS	

CONCURRENT ENROLLMENT

Prerequisite: 3.0 GPA

Concurrent enrollment classes are university classes taught at the high school. **The content, texts, examinations, and expectations are the same as if the class were taken at the college or university.** Students pay a one-time application fee of \$50 at <https://concurrent.usu.edu/> or <http://continue.weber.edu/concurrentenrollment/> for Weber State University(WSU). Registration is required each trimester a student has a concurrent enrollment course at <https://concurrent.usu.edu/register/> or <http://continue.weber.edu/concurrentenrollment/students/registration.aspx> for WSU. If you wait to register with USU until after the course is 20% complete (12 school days), you will be assessed a **\$100 late registration fee per course**. If you wait to pay USU the tuition amount until after the course is 20% complete, you will be assessed a **\$15 late payment fee**. **Consistent with State SB284 the Utah System of Higher Education, there is a partial tuition of \$5.00 per credit for concurrent enrollment classes.** 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 only students interested in that level of work should register for them. Under Utah's Board of Regents directive, sophomore students may not register for concurrent enrollment classes. Following are concurrent enrollment that may be classes offered at Ridgeline:

BIOLOGY 1010	MARRIAGE AND FAMILY RELATIONS (HDFS) 2400
CHEMISTRY 1010	MATH 1050
ECON 1500	MATH 1060
ADV HEALTH SCIENCE 1110, 1111(WSU)	MEDICAL TERMINOLOGY 1101
ENGLISH 1010	MUSIC 1010
ENGLISH 2200	NUTRITION 1020 (WSU)
FAMILY HUMAN DEVELOPMENT (HDFS) 1500	BUSN 1021 Financial Literacy
FRENCH 1010, 1020	OSS 1050 (Accounting)
GERMAN 1010, 1020	PLANT SCIENCE 1800
HISTORY 1700	PSYCHOLOGY 1010
INTRODUCTION TO ENGINEERING 1010	STAT 1040

WEBER STATE UNIVERSITY CONCURRENT ENROLLMENT CLASSES

ADV HEALTH SCIENCE 1110, 1111 (Formerly EDNET ANATOMY/PHYSIOLOGY 1105, 1106)
MEDICAL TERMINOLOGY 1101
NUTRITION 1020
EXERCISE SCIENCE AT 2175 A/B

CONCURRENT ENROLLMENT BROADCAST COURSES

Broadcast concurrent enrollment courses are offered at Ridgeline via Utah's statewide distance education program. These classes offer access to college credit classes that may otherwise not be taught at RHS. **The same prerequisites for concurrent enrollment apply, including a 3.0 gpa.** Class offerings may vary. Currently the following classes may possibly be offered:

ADV HEALTH SCIENCE 1110, 1111
BIOLOGY 1010
HDFS 1500
GEOLOGY 1010

HISTORY 1700
MUSIC 1010
PSYCHOLOGY 1010
POLITICAL SCIENCE 1100

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 RHS 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 links, and more on this website.

<http://mountaincrestandridgelinescholarships.blogspot.com/>

REGENTS' SCHOLARSHIP

The Regents' Scholarship is a specific college preparatory course of study. This course of study, along with a GPA and ACT score requirement, earns a state funded scholarship. Please see your counselor for details.

REGENTS' SCHOLARSHIP: RIDGELINE CHECKLIST 2018-2019

The purpose of the Regents' Scholarship is to promote academic and financial preparation during grades 9-12 for postsecondary education. The courses required of the scholarship are proven to help students become college and career ready. The scholarship may be used at Dixie, SLCC, Snow, SUU, U of U, USU, UVU, and Weber. It can also be used at BYU-Provo, LDS Business College and Westminster College.

4 credits of English

Eng. 9 Writing & Eng. 9 Literature	1.0 credit	AP English A, B, C	1.5 credits
Eng. 10 Writing & Eng. 10 Literature	1.0 credit	English 1010 <u>counts as</u>	1.0 credit
Eng. 11 Writing & Eng. 11 Literature	1.0 credit	Eng. 12 Writing	.5 credit

4 credits of progressive Math

Secondary Math 1	1.0 credit
Secondary Math 2	1.0 credit
Secondary Math 3	1.0 credit
Must have at least one of the following options:	
Pre Calc. A, B	1.0 Credit
AP Calculus A, B, C	1.5 credits
AP Stats A, B	1.0 credit
Math 1050 (Must meet prerequisites) <u>counts as</u>	1.0 credit
STAT 1040 (Must meet prerequisites) <u>counts as</u>	1.0 credit
Math 1060 (Must meet prerequisites)	.5 credit

3 credits of lab-based Science

Choose one from each of the 3 options:

Biology

- Biology A, B 1.0 credit
- AP Biology A, B, C (Do NOT take BIO 1010) 1.5 credits
- Ag Biology A, B 1.0 credit

Chemistry

- Chemistry A, B 1.0 credit

Physics

- Physics w/Technology A, B 1.0 credit

2 years of the same Foreign Language

French 1A/1B & 2A/2B
German 1A/1B & 2A/2B
Mandarin Chinese 1A/1B & 2A/2B
Spanish 1A/1B & 2A/2B
BTECH American Sign Language I & II

3.5 credits of Social Science

World Geography	.5 credit
Ancient or Modern World History	.5 credit
AP European History A, B, C	1.5 credits U.S. History
A/B	1.0 credit
AP U.S. History A, B, C	1.5 credits
American Government	.5 credit
AP U.S. Government A, B, C	1.5 credits
Economics 1500 <u>counts as</u>	1.0 credit
Sociology	.5 credit
Psychology	.5 credit
Psychology 1010 <u>counts as</u>	1.0 credit Philosophy
1000 <u>counts as</u>	1.0 credit Political
Science 1100 <u>counts as</u>	1.0 credit
USU 1320 Humanities <u>counts as</u>	1.0 credit

Important Notes:

While this checklist serves as a guide, it is the applicant's responsibility to read and understand the requirements of the scholarship.

All three trimesters of AP courses must be completed for credit. Students who complete a college course must submit an official college transcript.

Website: RegentsScholarship.org

Phone: 801-321-7159

Email: regentsscholarship@ushe.edu

COLLEGE ENTRANCE EXAM PREPARATION

Most colleges and universities in Utah require an ACT score for admission. The following tests are suggested as follows: **Sophomore year:** Students may consider taking the PSAT their sophomore year to practice for the PSAT their Junior year. Fee required.

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 this test, as it is the qualifier for this competition. Fee required (some fee waivers are available to qualifying students). Students may sign up at the fee window. All Juniors will take the ACT at Ridgeline in February or March. Juniors are encouraged to take the ACT 1-2 times during December –June. See below for more information.

Senior year: Seniors should repeat the ACT in September & October to meet early December Scholarship deadlines.

Students Register for the ACT at: www.actstudent.org

2019-2020 NATIONAL ACT TEST DATES

(Registration deadlines generally fall about a month prior to the test date.)

April 13, 2019	September 14, 2019	February 8, 2020
June 8, 2019	October 26, 2019	April 4, 2020
July 13, 2019	December 14, 2019	June 13, 2020

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 OPTIONS

Ridgeline High School 2018-2019

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.

Ridgeline High School Packets

Cost: \$40 per .5 credit

Packets are limited to a few core areas. Students who have failed a core course are eligible. Workbooks are graded by teachers. Good for self-starters with high motivation. See your counselor for more details.

Cache High Competency Testing Program

Cost: \$20-\$40 per .5 credit

Students who have failed a core course are eligible to take a competency test. If the student passes, a P grade is awarded. If the student does not pass the test, they can earn credit by completing a packet at Cache High for an additional \$20 (for a total of \$40 per .5 credit). Tests are offered on T,W,Th from 2:30-4:30 but must be arranged through the student's RHS School Counselor in advance.

Northern Utah Testing Center

Cost: Free per legislative action

130 North Main Street Farmington, UT

801-402-5385

Competency tests in core subjects required by the Utah State Office of Education. Assessments may be taken only once per school year, per subject tested. Students will receive a "P" (pass) for demonstrating competency on the assessment taken. No letter grades will be awarded. Students must fill out an application, have their counselor sign it and make arrangements for testing.

www.davis.k12.ut.us/testingcenter

Northridge Learning Center

Cost: \$110 per .5 credit

44 South Main, Brigham City

www.northridgelearningcenter.com

Packets cover all core subjects required by the Utah State Office of Education. Students are required to complete all work themselves and pass a final exam upon completion. 2 hours of free tutoring is included in the purchase price of a packet.

BYU Independent Study

Cost: \$150+ per .5 credit or \$56 for select elective character/language arts courses

<https://is.byu.edu/site/programs/HighSchoolProgram.cfm>

Courses offered in a variety of core and elective courses. Most course work may be completed at home, but final examinations must be taken under the direction of a proctor. A student may call 1-800-914-8931 to find a proctor in his or her area.

FLEX Hour for Credit, including BTECH

Cost: Free

<https://www.ccsdut.org/Page/4000>

Students may take a course for credit during the FLEX hour. Course offerings vary, including BTECH courses. Students may also sign up for Seminary during FLEX (space is limited) in order to free up a credit-earning class during the school day. However, students who are currently struggling in current classes may be better served by using it as an opportunity to receive more instruction from teachers – not as a way to earn additional credit.

BTECH Summer School

Cost: Free

www.BTECH.edu

1-866-701-1100

Students may make up 1.0 Elective credit by taking a Bridgerland course over the summer. Courses run from mid June to late July and students are expected to have excellent attendance.

RHS Summer School

Cost: \$40 per .5 credit

Check with your counselor in late spring

Summer classes are held in June for 3 weeks. Course offerings are determined late spring of each year. Excellent attendance is required.

ONLINE LEARNING OPTIONS

Please see <https://www.ccsdut.org/Page/5125> for a full explanation of online options.

Utah Students Connect

Cost: Free, but not to exceed a full schedule (7.5 credits) combined with RHS credits

utahstudentsconnect.org

For original credit. Students may replace RHS original credit with these courses. You must register through your counselor. Student may come late or leave early to accommodate these classes but may not be on RHS's campus during online class time. Final tests need to be proctored at the Cache County district office by appointment by the final deadlines.

Public Education Online (SOEP)

Cost: Free, but not to exceed a full schedule (7.5 credits) combined with RHS credits

<http://schools.utah.gov/edonline/default.aspx>

For original credit. Students may replace RHS original credit with these courses. You must work with the online provider you choose and your counselor to ensure you do not exceed the maximum number of credits allowed in a year. Student may come late or leave early to accommodate these classes but may not be on RHS's campus during online class time. All questions about coursework, deadlines, etc will need to be directed to the online provider the student chooses to enroll with.

Brain Honey

Cost: \$40/.5 credit

For recovery credit. You must register through your counselor. This class is offered online. Self-motivation is essential to be successful in these classes. Final tests need to be proctored at Ridgeline High School. Classes available are:

- Biology
- Earth Science
- Environmental Science
- World Civilizations
- Health
- World Geography
- Physics
- Study Skills

COURSE GRADE FORGIVENESS

USBE Board Rule R277-717 Course Grade Forgiveness

Student may receive grade forgiveness and receive the higher grade for transcripts when a course is repeated either on campus, online, or comparable course is available. Learning packets are not a qualifying comparable course. You will not receive credit for the same class twice. This means that you could be deficient in your credits toward graduation by retaking this class. **Prior approval from administration and/or counselors is required.**

ELECTIVES

CAREER INTERNSHIP or CRITICAL WORKPLACE SKILLS

.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.)

Students who receive an acceptance letter should see their counselor for a schedule change. Students will not be able to register for this class without a letter of acceptance. This course is an opportunity to explore your career in real time. It will empower students with powerful

job readiness and thinking skills. Students will be guided through the process of job applications, resumes, cover letters, and interviewing skills. The first two weeks of the trimester will be spent in intensive training to prepare the student for their cooperative or intern placement. Afterwards, Monday classes continue to educate and support the work experience, and students will be required to complete a minimum of four hours a week at their placement site. CIP 32.0199

DRIVER EDUCATION

.5 Elective credit

Grades 9-12

Course # 1st T 9130, 2nd T 9131, 3rd T 9132

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–Jan-April 30; 3rd trimester– April-Aug. 31. Road hours will be before and after school and on Saturdays. School Year Class: \$90.00 Summer Class: \$120.00

Any student can also complete the classroom portion for Driver's Education on-line through the Driver's Education Department. Contact Rich Gittins for information (245-6759, ext. 5300). This means a student takes the class on the internet and the driving portion with the teachers at RHS. There are no fees for the internet classroom; fees for the driving portion are the same as a school year class, \$90.00 The law which went into effect August 1, 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. Tests 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.**

DIVERSITY DISCOVERY

1 Elective credit

Grades 11-12

Course # 9204, 9205

Diversity Discovery is a two trimester class designed to help students of diverse backgrounds discover their voice, who they are as a person, racial pride, and resiliency. In addition, students will strive to build academic motivation, school inclusion, leadership, community service, mentoring, and gain skills to accomplish a personal dream. Through a strong belief in oneself, students gain a personal and interdependent empowerment that originates from his/her own life and ripples into other lives in their different discourse communities.

LIGHT AND SOUND

1.5 Elective credit

Grades 10-12

Course # See a counselor

Prerequisite: Approved application form

This is a multifaceted program of teaching the necessary skills to operate lighting and sound equipment. Members of this class will make up the light and sound crew which will assist and follow through on any and all needs pertaining to activities in the auditorium such as: the school play, programs, the musical, assemblies, concerts, and public gatherings for the benefit of the student body and community. In addition to time spent in class, students will also be expected to spend evenings or weekends in support of school activities and programs.

PEER TUTOR

.5 Elective credit

Grades 10-12

Course # 9141

This course offers practical life experience. It is particularly helpful for students who are interested in education, child care, and other related fields. This course is designed to provide students with the opportunity to help tutor students who have academic and social disabilities.

Focus is on participation and interaction with the students. Written assignments and lessons support learning the objectives of the course.

Tenth graders can register for this class with permission from the teachers or if they have prior peer tutor experience.

FINANCE

Any of these classes meets the Financial Literacy graduation requirement.

ADULT ROLES / FINANCIAL LITERACY

.5 Technical and .5 Financial Literacy/Social Studies credit

Grades 11-12

Course # 8139, 8142

This course prepares individuals to understand the nature and significance of individual and family relationships integrated with general financial literacy. Topics include: decision-making to set and implement goals, values, communication skills, self-awareness, families, sources of income and the relationship between income and career preparation, crisis management, dating, marriage preparation, marriage,

money management, saving, investing and parenting. Students who complete the entire 1.0 course will fulfill the General Financial Literacy graduation requirement. CIP 20.0117

BUSN 1021 (PERSONAL FINANCIAL PLANNING)

Concurrent Enrollment 3 USU Credits

.5 required Financial Literacy/Social Studies Credit

Grades 11-12

Course # 0334

Prerequisite 3.0 GPA

This concurrent enrollment course satisfies the General Financial Literacy requirement and is designed for students who are planning to attend college. Students will gain an understanding of the decision making skills needed to be knowledgeable and effective consumers, money managers, savers, investors, users of credit and productive workers in a global workforce and society.

FINANCIAL LITERACY

.5 required Financial Literacy/Social Studies 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.

MATHEMATICS OF PERSONAL FINANCE A & B

1 Math Credit and Financial Literacy Requirement Fulfilled Grade 11-12

Course # 5200, 5201

Prerequisite: 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. Successful completion of both trimesters will give also fulfill the General Financial Literacy requirement for graduation.

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. As a studio class, creating unique artwork is paramount; however, students will also learn art-specific vocabulary, art history, art-related technology, as well as principles of art and design. Still life, perspective, portraiture, and other topics will be covered. Students will be exposed to many media including-but not limited to-pencil, ink, watercolors, pastels, and charcoal. This is a prerequisite for all other art classes.

ART 2

.5 Fine Art credit

Grades 9-12

Course # 1102

Prerequisite: ART 1

This course is a continuation of principles of art and design as learned in Art 1, but will expound on and delve further into the arts. In addition to drawing and painting, students will gain experience in silkscreen printing, relief printing, acrylic painting, and more. Emphasis will be placed on mastering different art media, art history, and art criticism as well.

ART 3 (Painting 1)

.5 Fine Art Credit

Grades 10-12

Course#1103

Prerequisite: ART 2

Students will experience more advanced art making such as oil painting and printmaking. This course will consist of creating both master studies as well as student-choice pieces. Professional best practices will be explored as well, with lessons in framing, handling, marketing, and selling art. Art history, art criticism, and other topics will also be explored.

ART - AP

1.5 Fine Art credit

Grades 11-12

Course # 1110, 1111, 1112

Prerequisite: Teacher approval

In this year-long teacher supported, self-driven course, students will develop a portfolio of artwork designed to earn college credit. The AP Studio Art Program consists of three portfolio exams—2-D Design, 3-D Design, and Drawing—corresponding to the college foundation courses. Portfolios allow flexibility of coursework while guiding students to produce college-level quality, artistic investigation, and breadth of work. In addition to portfolio creation, professional best practices will be explored as well, with lessons in framing, handling, marketing, and selling art.

AP ART HISTORY

1.5 Fine Art credit

Grades 11-12

Course # 1113, 1114, 1115

In this year-long course, topics such as the nature of art, its uses, its meanings, art making, and responses to art will be explored. Through investigation of diverse artistic tradition of cultures from prehistory to the present day, this course fosters in-depth understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, constructing understanding of individual works and connections of art-making processes and products throughout history.

CERAMICS 1

.5 Fine Art credit

Grades 9-12

Course # 1120

This course is for students who want to gain knowledge of the process of using clay to create functional and sculptural objects. We will be using hand building and wheel throwing techniques in conjunction with creative problem solving as we move through our projects. An emphasis will be placed on studio production, which means we will producing several projects over the course of trimester. The use of ceramics specific content knowledge will learned and used as we critique and evaluate our works. Students will learn art related technology skill, Art criticism, art history and aesthetics.

CERAMICS 2

.5 Fine Art credit

Grades 9-12

Course # 1123

Prerequisite: Ceramics 1

This course is a continuation of ceramics 1, as such students in this course are expected to have completed ceramics 1. Progression of making techniques is emphasized as well as personal expression through control of the media. Students will have the opportunity to create original works of their own design within self designated making techniques. Students will hone their skills in wheel making and hand building. Students will learn art related technology skill, art criticism, art history and aesthetics.

CERAMICS 3 / Optional Concurrent Enrollment

.5 Fine Art credit

Grades 11-12

Course # 1122

Prerequisite: Ceramics 2

This course is for students who have learned the value of ceramics in their lives and want to progress voice and vision in their work. Much of the work will be teacher supported, self driven projects. Use of advanced ceramic technology will be blended with old world craft. Using these ideals students will progress the medium of clay and create vision in the future of ceramic creation. Knowledge of firing and the effects and chemical changes that occur in kilns will be learned and experimented with.

Optional (Concurrent Enrollment)

Students may choose to take this class for concurrent enrollment credit.

- The course work if choosing this option will follow the curriculum of USU's intro to ceramics class. Student who have taken previous ceramics classes will find some overlap of making process with things they have already done. However the level of quality will be enhanced on all projects and all making methods.

DESIGN AND VISUAL COMMUNICATIONS (Commercial Art)

.5 Fine Art credit or Technical credit

Grades 10-12

Course # 8279

Students will be introduced to three areas of commercial art: advertising design, graphic design, and illustration. Emphasis will be placed on drawing, design techniques, and new technology. Students will become aware of the role commercial art plays in their everyday life and the persuasive nature of commercial art methods. Students will use drawing and design elements to express specific ideas to a specific audience. A brief overview of the history of commercial art and its effect on society will be examined. CIP 50.0402

SCULPTURE

.5 Fine Art credit

Grades 9-12

Course # 1105

Prerequisite: Audition

This choir of 24-32 singers will be composed of juniors and seniors only and will meet during zero hour daily. Students must be members of A Cappella Choir. Activities will include a variety of advanced vocal ensemble experiences, chamber music, jazz and popular music. This choir performs extensively at school and community events throughout the year. Special Uniforms \$

CHOIR – MEN’S CHORUS (TTB)

.5 Fine Art credit

Grades 9-12

Course #1058, 1059, 1069

This is a performance oriented choir class with an emphasis on choral unity and basic music skills for freshman and sophomore tenors and basses. We will be stressing how the voice can be developed and improved through proper vocal technique. Students will sing two, three, or four part literature in all styles. Students must come with the desire to sing and perform and will be required to perform in scheduled concerts, with opportunities for additional activities and travel.

CHOIR – TREBLE (SSA) (Revel)

.5 Fine Art credit

Grade 9-12

Course # 1042, 1043, 1044

This is a performance oriented choir class with an emphasis on choral unity and basic music skills for freshman and sophomore sopranos and altos. We will be stressing how the voice can be developed and improved through proper vocal technique. Students will sing two, three, or four part literature in all styles. Students must come with the desire to sing and perform and will be required to perform in scheduled concerts, with opportunities for additional activities and travel.

GUITAR 1 - BEGINNING

.5 credit

Grades 9-12

Course # 1024

Students are limited to one guitar class per year.

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.

GUITAR 2

.5 credit

Grades 9-12

Course # 1025

Prerequisite: Guitar 1 - Beginning guitar or passing an audition with the teacher.***Students are limited to one guitar class per year.***

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, finger picking 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 3

.5 credit

Grades 10-12

Course # 1075

Students may sign up for Guitar 3 after passing and completing 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. The course will cover: barre chords on the 6th and 5th strings, suspended chords, add nine chords, slash chords, muted strumming, 1st position note reading continued, 5th position note reading, advanced guitar ensembles, dotted notes, 16th notes, tied notes, syncopated rhythms, the 5 box=position minor pentatonic scales, major pentatonic scales, finger style guitar arrangements, song writing, and solo guitar playing.

ORCHESTRA - ADVANCED

1.5 Fine Art credit

Grades 9-12

Course # 1033, 1034, 1035

Prerequisite: Director Approval

This advanced course performs music at the highest possible level of musicianship and skill for a high school instrumental ensemble, and therefore students must audition before being admitted. This is a full-year course, and students are expected to register for all three trimesters. This class also provides opportunities to foster and refine musical expression through instrumental performance, analytical/evaluative skills, and aesthetic judgement. Out-of-class rehearsals and performances may be required. It is open to all 9-12 grade

students, however, Freshman, and all other new students to the school must register for the Intermediate Orchestra during 1st trimester in order to have an opportunity to audition for the Advanced Orchestra for the remainder of that particular school year. Concert Black is required for performances.

ORCHESTRA - INTERMEDIATE

1.5 Fine Art credit

Grades 9-12

Course # 1052, 1053, 1054

Prerequisite: At least 2 years experience on either violin, viola, cello, or bass, or director approval

This intermediate course performs music at a high level of musicianship and skill, and therefore students must have experience playing on the violin, viola, cello, or bass before being admitted. This is NOT a beginning orchestra class. This is a full-year course, and students are expected to register for all three trimesters. This class also provides opportunities to foster and refine musical expression through instrumental performance, analytical/evaluative skills, and aesthetic judgement. Out-of-class rehearsals and performances may be required. It is open to all 9-12 grade students. Concert Black is required for performances.

OTHER MUSIC

INTRO TO MUSIC ENGINEERING AND COMPOSITION (Commercial Music)

.5 Fine Art credit per trimester

Grades 11-12

Course # 8760

Prerequisite: Instructor Approval

This class will study various popular musical styles. Students will select, arrange, write or learn a variety of songs in preparation for recording or performance. Students will be introduced to music recording and engineering technology and techniques. Prior musical experience is required for success in this class. Out-of-class performances may be required.

MUSIC 1010

Concurrent Enrollment 3 USU Credits

.5 Fine Art credit

Grades 11-12

Course # 1062

Prerequisite 3.0 GPA

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

SONGWRITING

.5 Fine Art credit

Grades 10-12

Course # 1060

Prerequisite: Prior music lessons or teacher approval

This class is especially designed for students with prior training or experience in music but is also available to beginners. Students use electronic keyboards 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: THEATER

MUSICAL THEATRE 3 A (First trimester)

MUSICAL THEATRE 3 B (Second trimester) Prerequisite: For students in the musical production (Audition required)

.5 Fine Art credit

Grades 9-12

Course # 1082, 1077

Musical Theatre 3 A – (Course # 1082) This course provides deeper instruction on skill sets needed to be in a musical. Students will learn acting techniques, choreography, and basic vocal instruction. Students will also become familiar with a variety of classic and contemporary musicals.

Musical Theatre 3 B – (Course # 1077) This course provides deeper instruction on producing a full-length musical. Students will be working on vocals, memorization, choreography and characterization for the school musical.

THEATRE 1 (Drama 1)

.5 Fine Art credit

Grades 9-12

Course # 1083

This course will include the development of basic acting skills including improvisation, inner resources, movement, oral interpretation, characterization, playing different roles, and development of standards of judgment for theatrical productions.

THEATRE 2 (Drama 2)

.5 Fine Art credit

Grades 9-12

Course # 1090

Prerequisite: Drama 1 or FLEX Drama

This course will be a continuation of Drama 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.

PHOTOGRAPHY / VIDEO

DIGITAL PHOTOGRAPHY I

.5 Fine Art or Technical credit

Grades 9-12

Course # 8287

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

DIGITAL PHOTOGRAPHY 2

.5 Fine Art or Technical credit

Grades 9-12

Course # 8288

Prerequisite: Digital Photo 1

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

VIDEO TECHNOLOGY AND PRODUCTION A & B

1 Fine Art or Technical credit

Grades 9-12

Course # 8189, 8190

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

OTHER FINE ARTS CLASSES

FILM: HISTORY, TECHNIQUE & ANALYSIS

.5 Elective English or Fine Art credit

Grades 11-12

Course # 4200

This elective, one-trimester course provides students with a basic introduction to the art of film and history. While enrolled in this course, students will gain the ability to understand the meaning(s) of cinematic works. Students will be able to justify meaning through analysis of cinematic works, artistic, and literary moves made by the director. This analysis will be based through topics including (but not limited to) terminology, technique, and literary comparison. Students will be expected to produce their findings through class discussion and writing. Students may have the opportunity to create their own films.

FLORICULTURE (Floral Design)

.5 Technical or elective Fine Art credit

Grades 10-12

Course # 8016

This class lasts 1 trimester and teaches skills in floral design including making corsages, boutonnières, bud vases, table arrangements, and introductions to wedding flower construction and the floral design industry. Students will spend some time in the high school greenhouse growing potted flowers and designing container gardens and hanging baskets. This class is part of an integral agriculture program. Participation with the FFA Organization is encouraged and taught according to state curriculum.

HUMANITIES A

.5 Elective English or Social Studies or Fine Art credit Grades 11-12 Course # 4026

NHS, NCAA

In Humanities, students will examine and critically analyze major forms of artistic expression from the past and the present from a variety of cultures. Areas of focus in this course will include philosophy, literature, music, and a major focus on visual art history. This course will survey mankind's artistic creations from the dawn of time and will approach modern day. This course is perfect for any student seeking an appreciation of the arts and an understanding of our artistic past. (NCAA)

INTERIOR DESIGN

.5 Fine Art or Technical credit Grades 10-12 Course # 8131

This course is designed to help students develop appreciation of beauty and good design in home and public interiors, and to discover their own creative styles. Through the use of the basic principles and elements of design, students will design interior spaces, including walls, floors, windows, and furnishings, and will present single room designs. \$

SOCIAL DANCE 1 (BEGINNING)

.5 PE or Fine Art credit Grades 9-12 Course # 7017 girls only Course # 7018 boys only

Learn to 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 the confidence to be able to lead and follow when dancing with a partner.

SOCIAL DANCE 2A (INTERMEDIATE)

.5 PE or Fine Art credit Grades 10-12 Course # 7019 girls only Course # 7020 boys only

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 2B (INTERMEDIATE)

.5 PE or Fine Art credit Grades 10-12 Course # 7023 girls only Course # 7024 boys only

If you enjoyed Beginning Social Dance and want to learn more and improve your social dance skills then this class is for you. This class is designed to help students improve their styling and technique and learn more advanced stops from dance taught in the beginning course including: Mambo, Tango, West Coast Swing and the Lindy Hop.

FOREIGN LANGUAGE

Hablas Español?

Sprichst du Deutsch?

Parlez-vous Français?

Proficiency in another language can open many doors to employment and/or career opportunities in almost any field of endeavor. As colleges and universities upgrade their entrance requirements, it becomes even more imperative that the serious-minded high school student study a foreign language in order to meet these stiffer requirements. A foreign language student will develop a better understanding of another culture. In addition, he or she will also develop better study habits which will be invaluable regardless of the student's chosen area of study.

*Students who are interested in attending the University of Utah must complete 2 credits of any Foreign Language. These 2 credits must be in the same language. Most colleges/universities recommend 1-2 credits of a foreign language.

FRENCH 1

1 Elective credit Grades 9-12 Course # 4714, 4715

This course is an introduction to the French language and to the culture of the French people. The class work includes conversation, vocabulary growth, grammar study, and beginning reading skills. (NCAA)

FRENCH 2

1 Elective credit

Grades 10-12

Course # 4717, 4718

Prerequisite: French 1A & B

This course is a continuation of French 1. The goal of this class is to improve conversation and to enlarge the student's vocabulary. The student becomes more proficient in reading. (NCAA)

FRENCH 3 A & B

College Credit Preparation

1 Elective credit

Grades 11-12

Course # 4723, 4724

Prerequisite: French 2 & 3.0 GPA

This is a college preparatory course for the serious French student. 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 (\$25), with the option of buying the credits through USU (\$75 per 4 credits). A passing score on this exam may result in four or more credits upon registering at USU. (NCAA)

GERMAN 1

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. 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, radio, TV, film and other sources aimed at broadening student understanding of the German-speaking world. (NCAA)

GERMAN 2

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, news, radio, TV, film and other sources will continue to build student understanding of the German culture and language. (NCAA)

GERMAN 3 A & B or German 1010/1020

1 Elective credit or 8 USU college credits

Grades 10-12

Course # 4733, 4734

Prerequisite for German 3A & B is German

Prerequisite for German 1010 and 1020 is German 2 and 3.0 GPA

Building on the skills gained in German 1 and 2, this course will be a continuation of vocabulary and fluency building with a focus on grammar and will follow the university level German 1010/1020 curriculum. Students will be aiming to reach an intermediate low proficiency level with ACTFL. At the completion of this course, those taking the concurrent enrollment portion will receive 8 foreign language college credits. (NCAA)

GERMAN 4 A & B

1 Elective credit

Grades 11-12

Course # 4731, 4732

Prerequisite: German 3 A & B or German 101/1020

This advanced course will help students become more fluent in German. Literature and culture will be studied in German. (NCAA)

MANDARIN CHINESE 1

1 Elective credit

Grades 9-12

Course # 4757, 4758

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

MANDARIN CHINESE 2

1 Elective credit

Grades 10-12

Course # 4748, 4749

Prerequisite: Mandarin Chinese 1

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

MANDARIN CHINESE 3

1 Elective credit

Grades 11-12

Course # 4766, 4767

Prerequisite: Mandarin Chinese: 1, 2

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

SPANISH 1

1 Elective credit

Grades 9-12

Course # 4704, 4705

A beginning course designed to give the student basic conversation ability. Emphasis will be placed upon pronunciation, reading, speaking, and everyday vocabulary. The cultures, folklore, and history of many Spanish-speaking countries will also be studied. (NCAA)

SPANISH 2

1 Elective credit

Grades 9-12

Course # 4706, 4707

Prerequisite: Spanish 1

In Spanish 2, systematic exposure will be given to new vocabulary and verb tense construction, and further study of Spanish-speaking countries—their cultures, traditions and history. Emphasis will be placed on daily conversational practice. Reading will also receive more attention. (NCAA)

SPANISH 3 A & B

College Credit Preparation

1 Elective 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. Reading and free conversation are also emphasized. After successful completion of both trimesters of this course, students may take a USU language placement exam (\$25), with the option of buying the credits through USU (\$75 per 4 credits). A passing score on this exam may result in four or more credits upon registering at USU. (NCAA)

SPANISH 4

1 Elective credit

Grades 11-12

Course # 4710, 4711

Prerequisite: Spanish 3

This advanced course will help students become more fluent in Spanish. Literature and culture will be studied in Spanish. (NCAA)

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

Grades 9

Course # 7002

The goal of Health Education at the high-school level is to help establish patterns of behavior that will assist a person in achieving complete health. Complete health is accomplished by having a balance of physical, mental, social and emotional well-being. This course is designed to

offer students the opportunity to acquire knowledge, incorporate process and life skills, and develop positive attitudes about life. Development of a healthy body and a healthy mind will assist young people in living active, productive, and successful lives.

PHYSICAL EDUCATION

Required PE Course

FITNESS FOR LIFE

.5 Core or elective PE credit

Grade 9-10

Course # 7005

All students are required to take this class. It cannot be substituted by athletic participation.

Fit for life is an individualized, concepts-based course designed to give students the knowledge and skills necessary to self-assess, create, conduct, evaluate, and redesign personal fitness programs. It is a combination of classroom-based and activity-based learning activities with a focus on students' mastery of the skills and concepts necessary to becoming independent monitors of their personal lifetime fitness.

Core PE Courses

ATHLETICS (SKILLS)

.5 PE core (one time only) or elective PE credit

Grades 9-12

Course # see list below

Prerequisite: Coach's signature

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 Golf

7117 Baseball

7102 Drill Team

7113 Basketball F

7114 Basketball M

7105 Football

7115 Swimming

7104 Volleyball

7112 Wrestling

ATHLETIC WEIGHTS/CONDITIONING

.5 Core or elective PE credit

Grades 10-12

Course # 1st T 7050; 2nd T 7051; 3rd T 7052

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, speed and agility development, and sports psychology. 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. 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.

INDIVIDUAL LIFETIME ACTIVITIES (PE 11/12)

.5 Core or elective 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.

These sports may be taught:

Archery

Pickle ball

Badminton

Softball

Basketball

Snowshoeing

Bowling

Team Handball

Fitness-jogging, walking, yoga, aerobics, etc.

Tennis

Frisbee-golf & Ultimate

Track and field

Golf

Volleyball

Hockey

Weight training

PARTICIPATION SKILLS AND TECHNIQUES (PE 9)

.5 Core PE credit

Grade 9-10

Course # 7003

This course helps each student adopt a personal lifestyle that will achieve physical fitness. Specifically, students will identify and understand all of the components of fitness such as cardiovascular fitness, strength, flexibility, endurance, weight control, nutrition and stress management. The students will develop skills in and knowledge in five individual sports, games and activities.

Elective PE Courses

AEROBICS (BODY CONDITIONING)

.5 Core PE credit

Grades 9-12

Course # 7011

This course provides instruction in a variety of aerobic activities. You will get your heart rate up in this class, and you will learn step, floor aerobics, yoga, pilates, and also participate in aerobic workouts. You will increase your personal fitness, flexibility, and muscle tone. This class is a combination of classroom and activity based learning activities.

SOCIAL DANCE 1 (BEGINNING)

.5 PE or Fine Art credit

Grades 9-12

Course # 7017 girls only Course # 7018 boys only

Learn to 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 2A (INTERMEDIATE)

.5 PE or Fine Art credit

Grades 10-12

Course # 7019 girls only Course # 7020 boys only

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 2B (INTERMEDIATE)

.5 PE or Fine Art credit

Grades 10-12

Course # 7027 girls only Course # 7028 boys only

If you enjoyed Beginning Social Dance and want to learn more and improve your social dance skills then this class is for you. This class is designed to help students improve their styling and technique and learn more advanced stops from dance taught in the beginning course including: Mambo, Tango, West Coast Swing and the Lindy Hop.

WEIGHT TRAINING/CONDITIONING (ADVANCED)

.5 Core PE credit

Grades 11-12

Course # 7012

Prerequisite: PE 10

The main purpose of this class is to teach the proper techniques in weight training. Those who take this class will build their muscular strength and endurance and learn the correct safety measures and use of weights. Emphasis will also be placed on cardiovascular activities such as running, flexibility exercises and general fitness. \$5.00 lab fee.

WEIGHTS - BEGINNING

.5 Core 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. Those who take class will build their strength and endurance, improve muscle tone and learn the correct safety measures and use of weights.

OTHER PHYSICAL EDUCATION

CHEER SQUAD

1 PE or Fine Art elective credit

Grades 11-12

Course # 7100, 7101

Prerequisite: Try-out

Class is for students selected to represent Ridgeline 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 (Aeriettes)

.5 PE or Fine elective Art credit

Grades 9-12

Course # 7102

Prerequisite: Tryouts

This class is for all who are members of the Aeriettes group or the “yet to be named” RHS group. The class involves extensive practice and training in jazz dance, military precision, novelty, and prop. Practices will often be held before or after school in addition to regular class hours. Several evenings during the year will be scheduled for performances and competitions. \$

LANGUAGE ARTS

ENGLISH

Grade	Credit	Course
9	.5 for 2020+ grads	English 9 Writing (required)
9	.5 for 2020+ grads	English 9 Literature (required)
10	.5	English 10 Writing (required)
10	.5	English 10 Literature (required)
11	.5	English 11 Writing (required)
11	.5	English 11 Literature (required)
12	.5	Writing (English12 Writing, 1010, Creative Writing, AP English, Debate)
12	.5	Applied or Advanced Elective

REQUIRED ENGLISH 9 COURSES

ENGLISH 9 LITERATURE

1 English credit

Grade 9

Course # 4004

This course is designed to provide students with opportunities to improve their reading, listening, and speaking skills. Students will read literary and informational texts, complete oral presentations, and participate in vocabulary building activities. In addition, students will expand their critical thinking skills through writing activities based on the Utah Common Core Standards for English Language Arts & Literacy.

ENGLISH 9 WRITING

1 English credit

Grade 9

Course # 4003

This course is designed to provide students with opportunities to improve their writing, grammar, and academic vocabulary skills. Students will learn how to develop ideas, write and revise multiple informational and argumentative essay drafts, gather relevant information from multiple sources, and evaluate writing. Also, students will expand their critical thinking and problem solving skills through **literary** activities based on the Utah Common Core Standards for English Language Arts & Literacy.

REQUIRED ENGLISH 10 COURSES

ENGLISH 10 LITERATURE

.5 English credit

Grade 10

Course # 4007

World Literature 10 is a one-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. In addition, students will expand their critical thinking skills through writing activities based on the Utah Common Core Standards for English Language Arts & Literacy. The course counts for .5 required Literature 10 credit and must be taken as a 10th grader. (NCAA)

ENGLISH 10 WRITING

.5 English credit

Grade 10

Course # 4006

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

writing to inform, and writing to persuade. Students will be introduced to MLA documentation and citation. Also, students will expand their critical thinking and problem solving skills through literary activities based on the Utah Common Core Standards for English Language Arts & Literacy. This course is required. (NCAA)

REQUIRED ENGLISH 11 COURSES

ENGLISH 11 LITERATURE

.5 English credit

Grade 11

Course # 4011

In the Literature 11—American Literature course, students will read, write, think, and learn about important themes of journey and self-discovery through the study of novels, short stories, poetry, non-fiction, and drama. In addition, students will expand their critical thinking skills through writing activities based on the Utah Common Core Standards for English Language Arts & Literacy. This course counts for .5 required Literature 11 credit and must be taken as an 11th grader. (NCAA)

ENGLISH 11 WRITING

.5 English credit

Grade 11

Course # 4010

This one-trimester course builds on strategies introduced in Basic Writing and includes ACT preparation and review. Students will engage in the process of writing through critical reading and writing activities, pre- and post-writing exercises, drafting, revising and proofreading. Students will identify audience and purpose in writing through a variety of writing assignments— technical documents, research projects, and journalistic articles. Students will master MLA documentation and citation through the use of summary, paraphrase and direct quote. Also, students will expand their critical thinking and problem solving skills through literary activities based on the Utah Common Core Standards for English Language Arts & Literacy. This course is required and must be taken as an 11th grader. (NCAA)

ELECTIVE ENGLISH COURSES

AP ENGLISH (LITERATURE AND COMPOSITION)

1.5 Elective English credit

Grade 11-12

Course # 4054, 4055, 4056

Prerequisite: 3.5 GPA

This is a full year course designed for motivated students who are looking for a challenging, yet rewarding English course. The course covers a variety of literature including novels, short stories, and poetry from various time periods. Literary analysis, writing, reading, and thinking skills are emphasized. Developing skills necessary to pass the AP English exam is stressed. Passing the AP test will yield up to 6 semester credits and would be equivalent to taking English 1010 and English 2200. (NCAA)

BUSINESS COMMUNICATIONS

.5 Technical or English credit

Grade 10-12

Course # 8401

Communication influences all factors of life, and this course is designed to teach various types of practical communication skills. From daily interactions with strangers to the way you present yourself on the job, the way you communicate is a reflection of who you are. This class will provide experience in the many sides of communication including verbal interactions, written communications, nonverbal cues, and using technology to maximize impact. CIP 520511

CREATIVE WRITING

.5 Elective English credit

Grades 11-12

Course # 4025

This elective, one-trimester class directs students who want additional instruction in writing poetry, short stories, and essays. Students will write with expression, purpose, and to specific audiences. They will create meaningful plot and sequence and characters with depth and purpose. Where possible, students will be encouraged to see drama produced on both the stage and film. (NCAA)

DEBATE 1A

.5 Elective English credit

Grades 9-12

Course # 4064

This first trimester course will help students develop poise, confidence, awareness of current social problems and issues, and the ability to communicate their ideas clearly and persuasively. The presentation and social skills developed make the class valuable for all career

interests. In this class, students learn and compete in several events, such as: impromptu and extemporaneous speaking, oratory, student congress, humorous and dramatic interpretation, Lincoln Douglas debate, Public Forum, and Policy debate. Students enrolled in the course are expected to compete as part of the debate team. Students must meet all competition eligibility requirements, including a minimum 2.0 GPA in the preceding trimester in order to take the class.

DEBATE 1B

.5 Elective English credit

Grades 9-12

Course # 4065

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

DEBATE 2A & B

.5 Elective English Credit

Grades 9-12

Course # 4066, 4067

NHS, NCAA

Prerequisite: Students enrolled in the course MUST HAVE COMPLETED Debate 1A and/or Debate 1B. Exceptions may be made for eligible juniors and seniors upon approval by the counseling office. A 2.0 and 90% attendance from the previous trimester is required prior to enrolling.

This course is for students with competitive speech and/or debate experience who wish to continue expanding their expertise in their competitive areas by topic-specific research and competing in debate tournaments. In addition, students will be expected to study current events, develop speaking skills, work with novice team members, and actively participate in the National Speech Debate Association's Ridgeline Chapter. Students must meet all competition eligibility requirements, including a minimum 2.0 GPA in the preceding trimester in order to take this class.

ENGLISH 12 (WRITING)

.5 Elective English credit

Grade 12

Course # 4014

This class is designed for high school seniors hoping to enhance their writing skills in preparation for college. The class will focus on a variety of writing activities and opportunities designed to build upon prior skills. This is a great class for students who are not quite ready for English 1010 but are college bound.

ENGLISH 1010

Concurrent Enrollment 3 USU Credits

.5 Elective English credit

Grade 12

Course # 4050

Prerequisite: 3.0 GPA

English 1010 is a one-trimester class that will prepare students for academic writing at the college level. This course will engage 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/student writing conferences, and participate in the USU Writing Center. 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. (NCAA)

ENGLISH 2200

Concurrent Enrollment 3 USU credits

.5 Elective English credit

Grade 12

Course # 4051

Prerequisite: 3.0 GPA

This one-trimester university class counts for 3 semester hours toward general education humanities at most universities that accept credit from Utah State University. In this course, students will read classics from a variety of literary periods and cultures. Students will explore issues and concepts from the literature and make connections according to their own knowledge and experience. Students will be required to pay a recording fee and buy their own books. (NCAA)

FILM: HISTORY, TECHNIQUE & ANALYSIS

.5 Elective English or Fine Art credit Grades 10-12 Course # 4200

This elective, one-Trimester course provides students with a basic introduction to the art of film and history. While enrolled in this course, students will gain the ability to understand the meaning(s) of cinematic works. Students will be able to justify meaning through analysis of cinematic works, artistic, and literary moves made by the director. This analysis will be based through topics including (but not limited to) terminology, technique, and literary comparison. Students will be expected to produce their findings through class discussion and writing. Students may have the opportunity to create their own films.

HUMANITIES A

.5 Elective English or Social Studies or Fine Art credit Grades 11-12 Course # 4026

NHS, NCAA

In Humanities, students will examine and critically analyze major forms of artistic expression from the past and the present from a variety of cultures. Areas of focus in this course will include philosophy, literature, music, and a major focus on visual art history. This course will survey mankind's artistic creations from the dawn of time and will approach modern day. This course is perfect for any student seeking an appreciation of the arts and an understanding of our artistic past. (NCAA)

JOURNALISM A (BASIC COPY AND DESIGN FOR NEWSPAPER)

(1st Trimester only)

.5 Elective English credit Grades 10-12 Course # 4040 (A)

This elective, one-trimester class introduces students who are interested in working on the school newspaper to the elements of reporting, copy writing, and layout design. This class is a prerequisite for Journalism—Newspaper.

JOURNALISM B AND C (NEWSPAPER)

.5-1 Elective English credit Grades 10-12 Course # 4041 (B), 4042 (C)

Prerequisite: Journalism—Basic Copy and Design for Newspaper and teacher approval

This one or two trimester class addresses the techniques of journalism with an emphasis on writing skills. All aspects of journalism (reporting, interviewing, polling, writing, editing and layout) will be covered.

JOURNALISM— YEARBOOK

.5-1.5 Elective English credit Grades 11-12 Course # 4043 (A), 4044 (B), 4045 (C)

Prerequisite: Journalism—Basic Copy and Design for Newspaper and teacher approval

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 AND FOLKLIFE

.5 Elective English credit Grades 11-12 Course # 4038

This one-trimester course introduces students to folk life and folklore with a special emphasis on supernatural and fieldwork. Students will learn about various genres in folklore and will analyze them critically through writing and discussion. Students will read, listen to and tell traditional and contemporary stories. Students will learn how to conduct interviews as well as transcribe and document audio recordings. These processes will be used for preparation of a final project that may be archived at Utah State University's Special Collections.

NOVELS AND SHORT STORIES (and FILM)

.5 Elective English credit Grades 11-12 Course # 4029

This class is for the student who enjoys reading or would like to enjoy reading. Students will individually select some of the novels read, while other class novels and short stories will be selected for high interest as well as literary content. Nightly and weekend reading will be required.

SPORTS LITERATURE (and FILM)

.5 Elective English credit

Grades 10-12

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.

MATHEMATICS

	Option 1 Regular	Option 2 Honors	Option 3 Honors Accelerated
9th	Secondary Math 1 A,B,C	Secondary Math 1 - Honors	Secondary Math 1 - Honors
10th	Secondary Math 2 A,B,C	Secondary Math 2 - Honors	Secondary Math 2 - Honors and Secondary Math 3 - Honors (Blocked)
11th	Secondary Math 3 A,B or an Applied Course with Parental Permission	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 Statistic	AP Calculus or AP Statistics (whichever one you didn't take your 11th grade year)

FOUNDATION CLASSES**SECONDARY MATH 1 A, B & C**

1 Math credit and 0.5 elective 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 # 5333, 5334

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. Honors extends the mathematics 1 course by including introductions in matrices, vectors and logic. The final unit in the course ties together the algebraic and geometric ideas studied. (NCAA)

SECONDARY MATH 2 A, B & C

1 Math credit and 0.5 elective 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 # 5336, 5337

Prerequisite: Secondary Math 1 – Honors

Honors 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 3 – HONORS (BLOCKED) A&B

1 Math credit

Grade 10

Course # 5342, 5343

Prerequisites: Secondary Math 2 – Honors

This course is an ACCELERATED method of teaching Secondary Math 3 - Honors. Students will have taken Secondary Math 2 – Honors 1st and 2nd trimesters of their 10th grade year and then 3rd trimester of the same year they will take the Secondary Math 3 – Honors (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. This course is not designed for a student to finish math core classes earlier in their high school experience. It is only for those planning to take advanced classes beyond Math 3 their junior and senior years. (NCAA)

SECONDARY MATH 3 A&B

1 Math credit

Grade 11

Course # 5309, 5310

Prerequisite: Secondary Math 2

Students will pull 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. If a student chooses to take an applied course instead of Math 3, a permission form must be signed by the student's parent/guardian. (NCAA)

SECONDARY MATH 3 – HONORS A&B

1 Math credit

Grade 11

Course # 5338, 5339

Prerequisite: Secondary Math 2 – Honors

Honors 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 AP Calculus. (NCAA)

ADVANCED COURSES**AP CALCULUS (AB)**

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)

AP STATISTICS

1 Math credit

Grades 11-12

Course # 5030, 5031

Prerequisite: Math 3 or Math 3-Honors

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

MATH 1050

Concurrent Enrollment 4 USU Credits

.5 Math credit

Grade: 12 only

Course # 5024

Prerequisite: Completion of Math 1, 2 and 3 with a “C” average or better and Math ACT of 23 or higher or Math ALEKS placement score of 46 or higher

College level course at an ACCELERATED 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 – including 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 in high school, they should not take this class. (NCAA)

MATH 1060

Concurrent Enrollment 2 USU Credits

.5 Math credit

Grades: 12 only

Course # 5025

Prerequisite: Completion of Math 1, 2 and 3 with a “C” average or better and Math ACT of 23 or higher or Math ALEKS placement score of 52 or higher or completion of Math 1050 with a C- or better.

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. (NCAA)

PRECALCULUS A & B

1 Math credit

Grades 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 included; functions, polynomials, exponents, logarithms, trig functions, circular functions, trig identities, graphing, systems, and analytic geometry. Students who took the Honor track do not need this course unless they earned lower than a “C”. (NCAA)

STAT 1040

Concurrent Enrollment 3 USU Credits

.5 Math credit

Grades: 12 only

Course #5208

Prerequisite: Completion of Math 1, 2 and 3 with a “C” average or better

Statistics is the collection, display, and analysis of data; it is the art of making wise decisions in the face of uncertainty. The purpose of 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. Descriptive and inferential statistical methods will be studied with an emphasis on conceptual understanding and statistical thinking. Examples presented from many different areas. (NCAA)

APPLIED COURSES

ACCOUNTING 1 or BUSN 1111

(BUSN 1111 is a Concurrent Enrollment course – 3 USU credits)

.5 Technical or .5 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 payroll, the accounting cycle, journalizing and posting transactions, compiling financial statements, payroll systems, and cash management. Computerized accounting will be incorporated into the curriculum. This course counts for either .5 Technical credit or Math credit.

ACCOUNTING 2 or BUSN 2800

(BUSN 2800 is a Concurrent Enrollment course – 3 USU credits)

.5 Technical or .5 Math credit

Grades 10-12

Course # 8365

Prerequisite: Accounting 1

Students will develop advanced skills that build upon those acquired in Accounting I. Additional accounting topics will include special journals, notes and interest, ethics, depreciation, types of business ownership, and interpreting financial information. Computerized accounting will again be incorporated into the curriculum. This course counts for either .5 Technical credit or Math credit.

COMPUTER PROGRAMMING 1A

.5 Technology or elective Math credit Grades 10-12 Course # 8725

Suggested prerequisite: Exploring Computer Science

Programming 1 introduces students to the concepts, fundamentals, and problem solving skills of computer programming using the Python programming language. Students will learn to design, code, and test their own programs while applying mathematical concepts and higher level thinking skills.

COMPUTER PROGRAMMING 1B

.5 Technology or elective Math credit Grades 10-12 Course # 8726

Prerequisite: Computer Programming 1A

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 using classes, advanced GUI techniques, and applications of recursion through the application of mathematical concepts.

MATHEMATICS OF PERSONAL FINANCE A & B

1 Math credit or .5 Math and .5 Financial Literacy Grade 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. If interested in taking this class for the Financial Literacy requirement, you must take both trimesters and let the teacher know, otherwise the class will count as a Math credit.

RELEASED TIME

RELEASED TIME A - Course # 0551

RELEASED TIME B - Course # 0552

SCIENCE

A total of 2.0 credits from two of the five areas of Science on the Foundations Courses list plus 1.0 credit from the Foundation Courses list or Applied and Advanced Courses list.

Foundation Courses:

BIOLOGY <ul style="list-style-type: none"> • AP Biology • Biology • Biology 1010 • Agriculture Biology 	CHEMISTRY <ul style="list-style-type: none"> • AP Chemistry • Chemistry • Chemistry 1010 	COMPUTER SCIENCE <ul style="list-style-type: none"> • Computer Science Principles 	EARTH SCIENCE <ul style="list-style-type: none"> • Earth Science 	PHYSICS <ul style="list-style-type: none"> • AP Physics • Physics w/ Tech
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Applied or Advanced Courses:

Agricultural Science Anatomy and Physiology Animal Science Astronomy	Botany Electronics Environmental Science Equine Science	Genetics Medical Anatomy and Physiology Robotics Veterinary Assistant
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FOUNDATION CLASSES

AGRICULTURE BIOLOGY

1 Core Science or 1 Technical credit Grades 9-12 Course # 8026, 8027

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. CIP 02.0112 (NCAA)

AP BIOLOGY

1.5 Core Science credit

Grades 11-12

Course # 3016, 3017, 3021

Prerequisite: 3.0 GPA, General or Biology or Chemistry or Agricultural Biology or instructor approval

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. A college text is used and the course is basically lecture/discussion in format. At the end of the year each student may choose to take the AP examination. (NCAA)

AP CHEMISTRY (*Offered on odd years – based on graduation date. Next offering is 2020-2021 school year.*)

1.5 Core Science credit

Grades 11-12

Course # 3035, 3036, 3037

Prerequisite: Sec Math 1, Chemistry A & B, and a scientific calculator

This class is a comprehensive, rigorous, full-year course in chemistry for students planning to attend college. Standards and instruction are comparable to a university class. A college text is used and the course is largely a lecture/discussion/lab format. Problem solving and math skills are necessary to succeed in this class. At the end of the year students may choose to take the AP examination.

AP PHYSICS (*Offered on even years – based on graduation date. Next offering is 2019-2020 school year.*)

1.5 Core Science credit

Grades 11-12

Course # 3060, 3061, 3062

This course covers Newtonian mechanics and provides instruction in each of the following content areas: kinematics, laws of motion, work, energy, power, systems of particles, linear momentum, circular motion and rotation, oscillations, and gravitation. AP physics is designed to provide students with a learning experience equivalent of a calculus-based college physics course which includes a laboratory component. Introductory calculus is used throughout the course and on the AP Physics C: Mechanics exam. Consequently, students are encouraged to be enrolled in AP Calculus--although it is not required.

BIOLOGY

1 Core Science credit

Grades 9-12

Course # 3010, 3011

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)

BIOLOGY 1010

.5 Core Science credit

Grades 11-12

Course # 3016

This course provides an overview of a broad range of topics in biology. You will gain a better understanding of the world around you and how biology affects you. What causes cancer? How do our bodies use the food we eat to live? There should be something for everyone! You will gain factual knowledge as well as a broader understanding of biological concepts and the nature and process of science itself. (NCAA)

CHEMISTRY

1 Core Science credit

Grades 10-12

Course # 3030, 3031

Prerequisite: Sec Math 1 & a scientific calculator

Chemistry is designed for all students in particular those students preparing to attend college. The objective of the 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/AP and Biology 1010/AP. (NCAA)

CHEMISTRY 1010

Concurrent Enrollment 3 USU credits

.5 Core Science credit

Grades 11-12

Course # 3034

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

Chemistry 1010 is a general college class that covers most of the concepts of chemistry that have application to daily situations. It is a great option for students needing to fill a general physical science requirement at the college level and for anyone interested in upper level chemistry. 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 a \$15 credit fee to USU and cost of the textbook. (There is no lab for this class) (NCAA)

EARTH SCIENCE

1 Core Science credit

Grades 9-12

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 WITH TECHNOLOGY A & B

1 Core Science or Technical credit

Grades 9-12

Course # 8186, 8187

Prerequisite: Secondary Math 1. Freshmen taking Physics with Technology 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

The Physics core curriculum has three major concepts of focus: motion of objects, forces acting on objects, and energy. These three concepts are explored through mechanical and electromagnetic waves, electrostatics, kinematics, and conservation laws with emphasis on experimental design processes and skills. This course can serve as a supplemental course for the pre-engineering CTE pathway as well as preparation for college. CIP 21.0105 (NCAA) *Students must earn a passing grade in Physics with Technology A in order to proceed to Physics with Technology-B.*

APPLIED OR ADVANCED SCIENCE

AGRICULTURAL SCIENCE 1 A & B

1 Technical or Science elective credit

Grades 9

Course # 8028, 8034

This class is especially for freshmen! Students are introduced to all aspects of agriculture including: plants, animals, natural resources, food, and opportunities available in FFA. CIP 01.03118 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

1 Technical credit or Elective Science credit

Grades 10-12

Course # 8032, 8033

This is a 2 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 state curriculum.

AP ENVIRONMENTAL SCIENCE

1 Core Science credit

Grades 11-12

Course # 3052, 3053

The AP Environmental Science course is an excellent option for any interested student who has completed two years of high school science. Experiences in both the laboratory and the field provide students with important opportunities to test concepts and principles that are introduced in the classroom and explore specific problems in a "real world" setting. AP Environmental Science is for highly qualified college-bound students with an interest in environmental issues. These are students who plan to major in science in college and want to understand how science can be used to solve environmental problems, students who are not likely to major in science in college but who want to be a

part of solving environmental problems, students who want something more than straight biology or chemistry, and students who have a deep concern about the earth. \$15.00 lab fee (NCAA)

The following Astronomy courses are two separate classes. You do NOT need to take one before the other. You could take the courses simultaneously if your schedule permits.

ASTRONOMY: The Universe

.5 Elective Science credit

Grades 9-12

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)

ASTRONOMY: Space Explorations

0.5 Elective Science credit

Grades 9-12

Course # 3058

This course surveys humankind's efforts to explore space through both unmanned and manned missions with emphasis on NASA missions. Students will discover the scale of Earth orbits and how celestial objects have been observed through satellite flybys, spacecraft landings, and human explorers. This course will also investigate what it takes to be a space adventurer through classroom activities and experiences of veteran astronauts as we explore the benefits of space exploration.

BOTANY

.5 Elective Science credit

Grades 11-12

Course # 3020

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 into their backyard habitats. (NCAA)

COMPUTER SCIENCE PRINCIPLES

.5 Technology or Science credit

Grades 10-12

Course #8732

This course is a rigorous, entry-level course that places emphasis on the principles of computer science as students develop a programming project. The course teaches a broad range of foundational topics such as creativity, abstraction, data, algorithms, programming, the Internet, digital privacy and security, and the societal impacts of computing.

ELECTRONICS 1

.5 Technical credit

Grades 9-12

Course # 8711

This course 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, Kirchoff's Laws, schematic diagrams, electrical components, and soldering. Students build and solder electronic circuits and kits and are introduced to micro-controllers.

ENVIRONMENTAL SCIENCE

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. (NCAA)

EQUINE SCIENCE

.5 Technical or Science credit

Grades: 10-12

Course # 8037

This 2 trimester course provides the opportunity for students to explore the field of equine science. Core curriculum includes: Equine science careers, horse anatomy & physiology, nutrition & feed rations, equine diseases and parasites, general care & maintenance, genetics, reproduction, behavior/training principles, and horse judging. This class is part of an integral agriculture program. Participation with the FFA Organization is encouraged and taught according to state curriculum.

GENETICS

.5 Elective Science credit

Grades 10-12

Course # 3018

Prerequisite: Biology or Chemistry

This elective science course is designed for any student who would like a greater understanding of genetics. We will expand upon the genetics foundation covered in Biology, but this course is open to any student who has completed either Biology or Chemistry. This course involves subjects such as structure and function of DNA and RNA, epigenetics, factors which affect genes, inheritance patterns, and how each of these relate to or affect evolution, with a possible student generated final unit.

GEOLOGY 1010

.5 Elective Science credit

Grades 11-12

Course **Broadcast**

Introduces plate tectonics, minerals, rocks, water resources, geological hazards, internal and external geologic processes, and a geologic history of the earth. (NCAA)

MEDICAL ANATOMY/PHYSIOLOGY/MED TERM

1.5 Technical or Elective Science credit

Grades 11-12

Course # 8331, 8332, 8333

This full-year course is designed to give students an in-depth overview of health careers. The students will study medical terminology, introductory physiology and anatomy, ethics, patient psychology, death and dying, and first aid. This class has a \$15.00 lab fee to cover handouts, medical supplies that are used in class activities for labs etc. \$

NUTRITION 1020

Concurrent Enrollment 3 WSU credits

.5 Technical or elective Science credit

Grade 11-12

Course # 8345

Prerequisite: 3.0 GPA

Fees: \$30 WSU grading fee, \$15 credit fee and the cost of textbook

NFS 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. \$

PLANT SCIENCE CONCURRENT A & PLANT SCIENCE 1800

Concurrent Enrollment 3 USU credits

.5 Elective Science, Technical

Grades 11-12

Course # 8014, 8018

This class will earn 3 credits through USU concurrent enrollment. It satisfies the USU 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 RHS FFA Organization is encouraged and taught according to state curriculum.

ROBOTICS 1

.5 Technology credit

Grades 9-12

Course # 8539

This is a lab-based, hands-on curriculum where students will learn to design, build, program and control robotic devices. It combines electrical, mechanical and engineering principles. A 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.

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:

Basic Social Studies Minimum (2.5 required, .5 elective)		
Grade	Credit	
9	.5	World Geography
10	.5	Ancient World History <u>or</u> Modern World History
11	1.0	U.S. History
12	.5	American Government
10-12	.5	Elective Credits from the list below.

Electives and Advanced Preparation Options		
Grade	Credit	
10-12	.5	<i>Both Ancient and Modern World History</i> can be taken, which would complete the 10 th grade requirement and also complete the elective social studies requirement.
10-12	1.5	A.P. European History (Covers the World History requirement.)
11-12	1.5	A.P. US History (Covers the US Studies requirement and also completes the elective social studies requirement.)
11-12	.5	Humanities A, B, or C
11-12	.5	Sociology
11-12	.5	Psychology or Psychology 1010
11-12	1.5	A.P. US Government and Politics/Comparative Government (Fulfills the .5 American Government requirement and the elective social studies requirement.)
11-12	.5	Current Events & Media

*Students desiring "Honors" status will have to fulfill additional objectives during the regular course of instruction; Honors designation will then be applied to the student record upon the successful completion of the course.

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

ANCIENT WORLD HISTORY

.5 Ancient History credit

Grade 9-12

Course # 6005

Ancient World History introduces the student to the study of the past beginning with early man and ending just before the Renaissance.

AP EUROPEAN HISTORY

.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 (\$85 test fee). Universities all over the United States will accept this credit depending on the student's score. This course will satisfy the Ancient World History and Modern World History requirements, plus offer an additional elective credit. Students have the additional experience of participating in a Model UN Conference (\$20 delegate fee). *Grade 10 Recommended.

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

1.0 required U.S. Studies credit and .5 elective Soc Studies credit Grades 11-12 Course # 6014, 6015, 6016

Prerequisite: Teacher approval

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 (\$95 test fee). Universities all over the United States will accept this credit dependent on the student's score. (NCAA)

US HISTORY

1 required U.S. Studies credit Grade 11 Course # 6010, 6011

Divided between two trimesters, the U.S. History class explains the history of our country so that students will become well informed citizens and understand their society. First trimester includes a review of the material students learned in 8th grade and then continues into the Twentieth Century. Second Trimester starts with WWII and follows through to current events. This course is required by the State of Utah for all 11th grade students. (NCAA)

AMERICAN GOVERNMENT REQUIREMENT

AMERICAN GOVERNMENT

.5 required Am. Gov. credit Grade 12 Course # 6024

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

AP US GOVERNMENT AND POLITICS / COMPARATIVE GOVERNMENT AND POLITICS

.5 required Am. Gov. and 1 elective Soc Studies credit Grades 11-12 Course # 6032, 6033, 6034

This three-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. The second half of the year will focus on international politics. In May students may take both AP tests and earn college credit. (\$95 fee for each test). Students may also take the Comparative Government AP test (\$82) and gain an additional 4 semester credits if they pass. (NCAA)

ELECTIVE SOCIAL STUDIES COURSES

CURRENT ISSUES & MEDIA

.5 Elective Social Studies Credit

Grades 11-12

Course # 6530

Students will study the events happening around the world that affect their everyday lives and will have an in-depth understanding and appreciation of those events. This elective course focuses on economics, government, conflict, world, national, state and local issues. This course will include the study of the media and its importance and impact. Students will learn how to research multiple sources and become educated consumers of information.

ECONOMICS 1500

Concurrent Enrollment 3 USU Credits

.5 Technical or Social Studies credit

Grades 11-12

Course # 6051

Prerequisite 3.0 GPA

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

HISTORY 1700 – AMERICAN CIVILIZATION

Prerequisite: US History A and B

Concurrent Enrollment 3 USU credits

.5 Elective Social Studies credit

Grades 11-12

Course 6012

Fundamentals of American civilization. Covers history, political system, and economic institutions of the United States. Fulfills American Institutions requirement.

HUMANITIES

.5 Elective English or Social Studies or Fine Art credit

Grades 11-12

Course # 4026

NHS, NCAA

In Humanities, students will examine and critically analyze major forms of artistic expression from the past and the present from a variety of cultures. Areas of focus in this course will include philosophy, literature, music, and a major focus on visual art history. This course will survey mankind's artistic creations from the dawn of time and will approach modern day. This course is perfect for any student seeking an appreciation of the arts and an understanding of our artistic past. (NCAA)

POLITICAL SCIENCE 1100

Concurrent Enrollment 3 USU credits

.5 Elective Social Studies

Grades 11-12

Course # 6025

U.S. Constitution, political parties and elections, interest groups, Congress, president, bureaucracy, courts, and civil rights and liberties. This course meets the Americanization requirement. (NCAA)

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 Social Studies credit

Grades 11-12

Course # 6052

Prerequisite: 3.0 GPA

In this course, students learn about how our mental processes shape our behaviors. Students will learn better interpersonal skills, why we perform certain behaviors, how to utilize our memory more efficiently, and more psychological concepts they can apply to their lives. This course is commonly taken by university students in fulfillment of their general education requirements and is typically required of all university students. Upon successful completion of this course, the student will earn 3 semester credits on a USU transcript. This college course may be delivered via EdNet broadcast. (NCAA)

SOCIOLOGY

.5 Elective Social 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)

TECHNICAL

One and a half technical credits are required for students to graduate. Students must take a required Digital Studies course for one-half credit. Any of the following courses satisfy this requirement the other technical credit may be earned by taking any technical classes. Students should select classes that correspond with their educational plans and career goals.

Grade	Credit	Course
9-10	.5	Below are the Digital Studies Courses: Business Office Specialist Computer Science Principles Exploring Computer Science Programming 1 Web Development
9-12	1	ANY Technical Class

AGRICULTURAL SCIENCE

AGRICULTURE BIOLOGY

1 Technical or 1 Core Science credit

Grades 9-12

Course # 8026, 8027

Agriculture Biology, is a 2 trimester, 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.

AG SYSTEMS TECHNOLOGY 1

1 Technical Elective credit

Grades: 10-12

Course # 8000, 8001

This is a 2 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

1 Technical Elective credit

Grades: 11-12

Course # 8002, 8003

Prerequisites: Ag Systems Technology 1

This is a 2 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 and battery maintenance. Emphasis will be placed on safety and quality workmanship. This class is part of an integral agriculture program. Participation with the FFA organization is highly encouraged and taught according to state curriculum.

AGRICULTURAL SCIENCE 1 A & B

1 Technical or Science elective credit

Grades 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.

ANIMAL SCIENCE

1 Technical credit or Elective Science credit

Grades 10-12

Course # 8032, 8033

This is a 2 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 state curriculum.

EQUINE SCIENCE

.5 Technical or Science credit

Grades: 10-12

Course # 8037

This 2 trimester course provides the opportunity for students to explore the field of equine science. Core curriculum includes: Equine science careers, horse anatomy & physiology, nutrition & feed rations, equine diseases and parasites, general care & maintenance, genetics, reproduction, behavior/training principles, and horse judging. This class is part of an integral agriculture program. Participation with the FFA Organization is encouraged and taught according to state curriculum.

FLORICULTURE (Floral Design)

.5 Technical or elective Fine Art credit

Grades 10-12

Course # 8022

This class lasts 1 trimester and teaches skills in floral design including making corsages, boutonnières, bud vases, table arrangements, and introductions to wedding flower construction and the floral design industry. Students will spend some 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 Elective Science, Technical

Grades 11-12

Course # 8014, 8018

This is a 2 trimester long class which will earn 3 credits through USU concurrent enrollment. It satisfies the USU 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. **As required by USU, both sections must be taken to receive concurrent credit.** You must register for both 8014 (Plant Science Concurrent A) and 8018 (Plant Science 1800). This class is part of an integral agriculture program. Participation with the FFA Organization is encouraged and taught according to state curriculum.

VETERINARY ASSISTING

1 Technical or Science credit

Grades: 11-12

Course # 8030, 8031

Prerequisites: Animal Science

This 2 trimester course provides the opportunity for students to explore different avenues of the veterinary health profession and learn advanced animal science principals. 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

ACCOUNTING 1 or BUSN 1111

(BUSN 1111 is a Concurrent Enrollment course – 3 USU credits)

.5 Technical or .5 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 payroll, the accounting cycle, journalizing and posting transactions, compiling financial statements, payroll systems, and cash management. Computerized accounting will be incorporated into the curriculum. This course counts for either .5 Technical credit or Math credit.

ACCOUNTING 2 or BUSN 2800

(BUSN 2800 is a Concurrent Enrollment course – 3 USU credits)

.5 Technical or .5 Math credit

Grades 10-12

Course # 8365

Prerequisite: Accounting 1

Students will develop advanced skills that build upon those acquired in Accounting I. Additional accounting topics will include special journals, notes and interest, ethics, depreciation, types of business ownership, and interpreting financial information. Computerized accounting will again be incorporated into the curriculum. This course counts for either .5 Technical credit or Math credit.

BUSINESS COMMUNICATIONS

.5 Technical or English credit

Grade 10-12

Course # 8401

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

BUSN 1021 PERSONAL FINANCIAL PLANNING

Concurrent Enrollment 3 USU credits

.5 required Financial Literacy credit

Grades 11-12

Course # 0334

Prerequisite 3.0 GPA

This concurrent enrollment course satisfies the high school General Financial Literacy requirement and is designed for students who are planning to attend college. Students will gain an understanding of financial topics needed to be knowledgeable and effective consumers, money managers, savers, investors, users of credit and productive workers. Concurrent Enrollment fees apply.

BUSINESS OFFICE SPECIALIST

.5 required Technology credit

Grades 9-10

Course # 8378

Business Office Specialist is a computer course where students will learn technology skills that can be used for future employment, schoolwork, personal projects. Students will be using Windows 10 operating system and Microsoft Office 2016 Suite (Word, Excel,

PowerPoint, Access). The focus of the course will be preparing students to pass the Microsoft Office Specialist Exams. This is a wonderful opportunity for the students to obtain industry-level certifications.

COMPUTER PROGRAMMING 1A

.5 Technology or elective Math credit

Grades 10-12

Course # 8725

Suggested prerequisite: Exploring Computer Science

Programming 1 introduces students to the concepts, fundamentals, and problem solving skills of computer programming using the Python programming language. Students will learn to design, code, and test their own programs while applying mathematical concepts and higher level thinking skills.

COMPUTER PROGRAMMING 1B

.5 Technology or elective Math credit

Grades 10-12

Course # 8726

Prerequisite: Computer Programming 1A

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 using classes, advanced GUI techniques, and applications of recursion through the application of mathematical concepts.

COMPUTER SCIENCE PRINCIPLES

.5 Technology or Science credit

Grades 10-12

Course #8732

This course is a rigorous, entry-level course that places emphasis on the principles of computer science as students develop a programming project. The course teaches a broad range of foundational topics such as creativity, abstraction, data, algorithms, programming, the Internet, digital privacy and security, and the societal impacts of computing.

ECONOMICS 1500

Concurrent Enrollment 3 USU Credits

.5 Technical or Social Studies credit

Grades 11-12

Course # 6051

Prerequisite 3.0 GPA

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

ENTREPRENEURSHIP

.5 Technical credit

Grades 10-12

Course # 8415

Students will gain an understanding of the marketing and management principles necessary to start and operate their own business, develop an awareness of the opportunities and challenges for small business ownership and develop the planning skills needed to open a small business.

Students will become aware of the traits and characteristics of successful entrepreneurs, gain an awareness of knowledge needed in research, planning and regulations affecting the small business and the means of financing a small business. They will understand the specific strategies of business management and marketing and the economic role of the entrepreneur in the market system.

Entrepreneurship is designed for students enrolled in business and marketing education, and/or other courses, who have an interest in developing the skills, attitudes, and knowledge necessary for successful entrepreneurs.

EXPLORING BUSINESS AND MARKETING

.5 Technical credit

Grade 9-10

Course # 8350

In this class you will be exposed to the fundamental concepts of business and marketing. Skills include basic business concepts, organizational communication, human resources management, entrepreneurship, accounting, finance, and leadership. Students will be exposed to courses within the Business and Marketing career pathways and leadership organizations, such as FBLA and DECA.

EXPLORING COMPUTER SCIENCE (ECS)

.5 Technical credit

Grades 9-10

Course # 8080

Introduces students to the broad field of computer science through an exploration of engaging and accessible topics. Rather than focusing the entire course on learning particular software tools or programming languages, the course is designed to focus on the conceptual ideas of computing and help students understand why certain tools or languages might be utilized to solve particular problems. The goal of Exploring Computer Science is to develop in students the computational thinking practices of algorithm development, problem solving and programming. Students are introduced to topics such as interface design, limits of computers and societal and ethical issues.

MARKETING 1 (Emphasis on Digital Marketing)

.5 Technical credit

Grades 10-12

Course # 8054

Marketing One explores the seven core functions of marketing which include: **Marketing Planning** (why target market and industry affects businesses), **Marketing-Information Management** (why market research is important), **Pricing** (how prices maximize profit and affect the perceived value), **Product/Service Management** (why products live and die), **Promotion** (how to inform customers about products), **Channel Management** (how products reach the final user) and **Selling** (how to convince a customer that a product is the best choice). Students will utilize knowledge in hands-on projects, which may include conducting research, creating a promotional plan, pitching a sales presentation, and introducing an idea for a new product/service.

MARKETING 2

.5 Technical credit

Grades 10-12

Course # 8057

This project-based course allows students to develop and demonstrate management level marketing skills. Students will learn advanced marketing principles then demonstrate proficiency by completing a market project. The majority of class time will be spent by students completing their marketing project. Examples of projects include: creating an advertising or public relations campaign, developing a business plan, conducting market research for a business and making suggestions for improvement, or completing an official CTSO (DECA, FBLA, FCCLA, HOSA, FFA, TSA, Skills USA) written project. Each project will include a written and presentation component.

SPORTS AND ENTERTAINMENT MARKETING

.5 Technical credit

Grades 10-12

Course # 8059

Sports and entertainment industries are two of the most profitable industries in the United States. Marketing sports and entertainment products is a global business. This is an introductory course focusing on real-world business perspectives by using examples from the marketing world to help students develop a thorough understanding of the marketing concepts and theories that apply to sports and sporting events.

The areas this course will cover include:

- Basic Marketing Concepts
- Sports Marketing Fundamentals
- Understanding the Fan
- Importance of Sponsorships
- Event Marketing ·Promotions
- Sponsorship Proposals
- Sports Marketing Plans

WEB DEVELOPMENT

.5 Technical credit

Grades 10-12

Course # 8355

Want to build your own website? In this course you will learn how to design, code, and publish a professional website. No experience necessary. We will use Adobe products (Dreamweaver, Photoshop, and Illustrator), and learn HTML5 and CSS.

DRAFTING

CAD MECHANICAL DESIGN 1

.5 Technical credit

Grades 9-12

Course # 8241

The first in a sequence of courses that prepares individuals to develop technical knowledge and skills required to plan and prepare scale pictorial interpretations and technical documentation of engineering and design concepts. This includes instruction in the use of 2D Computer-Aided Design (CAD) software, sketching, drawing layout, geometric construction, orthographic projection, and dimensioning. \$

CAD MECHANICAL DESIGN 2

.5 Technical credit

Grades 10-12

Course # 8239

Prerequisite: CAD Mechanical Design 1

The second in a sequence of courses that prepares individuals with an emphasis in developing technical knowledge and skills to develop 3D models in support of mechanical and industrial engineers, and related professionals. This includes instruction in the use of 3D Computer-Aided Design (CAD) software, model creation, and technical communication. \$

EDUCATION

EDUCATION 1 (TEACHING AS A PROFESSION 1)

.5 Technical credit

Grades 10-12

Course # 8801

Observe and participate with teachers and students in the classroom. Learn about current teaching methods and instructional strategies. Explore assessments and when to use them. Discover how students learn and how to differentiate for special populations. Recognize ways to effectively use educational technology in the classroom.

EDUCATION 2 (TEACHING AS A PROFESSION 2)

.5 Technical credit

Grades 10-12

Course # 8802

What is the role of an educator in the classroom? Find these answers and many more as you learn about instructional strategies. Learn and observe differentiated instruction and how it affects student learning. Create an environment where students are encouraged and empowered to become lifelong learners. Practice the art of creating instructional activities to inspire students to enjoy learning.

EDUCATION 3 (TEACHING AS A PROFESSION 3, EDUC 1010 WEBER STATE UNIVERSITY)

.5 Technical credit

Grades 10-12

Course # 8803

This is an introductory, college level course, that introduces students to the field of Education.

ENGINEERING AND STEM

ELECTRONICS 1

.5 Technical credit

Grades 9-12

Course # 8711

This course 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, Kirchoff's Laws, schematic diagrams, electrical components, and soldering. Students build and solder electronic circuits and kits and are introduced to micro-controllers.

PHYSICS WITH TECHNOLOGY

1 Technical or Elective Science credit

Grades 9-12

Course # 8186, 8187

Prerequisite: Sec Math 1 Freshmen taking Physics with Technology 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

The Physics core curriculum has three major concepts for focus: motion of objects, forces acting on objects, and energy. This course can serve as a supplemental course for the pre-engineering CTE pathway as well as preparation for college. (NCAA)

ROBOTICS 1

.5 Technology credit

Grades 9-12

Course # 8539

This is a lab-based, hands-on curriculum where students will learn to design, build, program and control robotic devices. It combines electrical, mechanical and engineering principles. A 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.

AM STEM ACADEMY

AUTOMATED MANUFACTURING & ROBOTS

\$75 annual fee

.5 Technical credit per trimester

Grades 10-12

Course # 8542

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

IT STEM ACADEMY

INFORMATION TECHNOLOGY ACADEMY

.5 Technical credit per trimester

Grades 10-12

Course # 8070

You CANNOT register for this electronically. See your counselor to register. Do you like computers, Internet, programming and cyber security? Learn about PC Hardware, Programming, Networking, Cyber Security, Web Development, Operating Systems (Linux, Mac, Windows) and Raspberry Pi. This course is offered after school M-Th with options for other times if necessary. 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/certificate/information-technology or bcampbell@btech.edu (435) 535-5310

FAMILY AND CONSUMER SCIENCE

ADULT ROLES / FINANCIAL LITERACY

.5 Technical and .5 Financial Literacy credit

Grades 11-12

Course # 8139, 8142

This course prepares individuals to understand the nature and significance of individual and family relationships integrated with general financial literacy. Topics include: decision-making to set and implement goals, values, communication skills, self-awareness, families, sources of income and the relationship between income and career preparation, crisis management, dating, marriage preparation, marriage, money management, saving, investing and parenting. Students who complete the entire 1.0 course will fulfill the General Financial Literacy graduation requirement.

CHILD DEVELOPMENT

.5 Technical credit

Grades 10-12

Course # 8162

Students in this introductory course will study the development and care of children from conception to age 5. Students will participate in a variety of fun and exciting activities that will help them to relate to children, such as teaching and observing children at the school's preschool.

APPAREL DESIGN & PRODUCTION 1 (Sewing 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 include two course-directed projects and one self-selected project.

APPAREL DESIGN & PRODUCTION 2 (Sewing 2)

.5-1.5 Technical credits

Grades 10-12

Course # 8137

Prerequisite: Clothing and Textiles1

This course is a continuation of Clothing and Textiles. The emphasis will be on individualized sewing and skill building to help students construct current fashionable clothing, sports and active wear items, and /or home décor. Projects will be selected to help the student apply

This course is designed to help students develop appreciation of beauty and good design in home and public interiors, and to discover their own creative styles and is a prerequisite course for BTECH classes. Through the use of the basic principles and elements of design, students will design interior spaces, including walls, floors, and will present single room designs. \$

NUTRITION 1020

Concurrent Enrollment 3 WSU credits

.5 Technical or elective Science credit

Grade 11-12

Course # 8345

Prerequisite: 3.0 GPA

Fees: \$30 WSU grading fee, \$15 credit fee and the cost of textbook (Total of approximately \$200 to Weber State)

NFS 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. \$

HEALTH SCIENCES/MEDICAL

ADVANCED MEDICAL TERMINOLOGY 1101

Concurrent Enrollment 2 WSU credits

.5 Technical credit

Grades 11-12

Course # 8339

Prerequisite: 3.0 GPA

This one-trimester class is a class offered through Weber State University and a student passing the course will receive college credit from WSU for Medical Terminology. Students will learn terminology that is used throughout medicine. This class is recommended for any student wishing to go into any Allied-Health Career Field or those wishing to pursue Medical School and is required for Nursing School. Students will purchase their own textbooks. This class does not carry an additional lab fee. The class uses the Internet for study and testing.

ADV HEALTH SCIENCE 1110, 1111 (Formerly ANATOMY/ PHYSIOLOGY 1105, 1106)

Concurrent Enrollment 8-14 WSU credits

1.5 Technical credit

Grade 12

Course # 8342, 8343, 8344

Prerequisite: 3.0 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 days 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. \$

EMERGENCY MEDICAL RESPONSE (FIRST AID)

.5 Technical credit

Grades 10-12

Course # 8316

Prerequisite: 3.0 GPA

This single trimester course is the American Red Cross Responding to Emergencies Course. Students passing the final tests and practical will receive certification in Adult, Child, Infant CPR and First Aid. There is a \$10.00 lab fee to replenish first aid supplies and pay for certification cards. \$

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 \$15.00 lab fee for handouts and medical supplies to be used during labs. \$

EXERCISE SCIENCE/SPORTS MEDICINE A & B

Prerequisite: 3.0 GPA

1 Technical credit

Grades 11-12

Course # 8301, 8311

This two trimester course is designed to teach students components of exercise science/sports medicine; including exploration of therapeutic careers, medical terminology, anatomy and physiology, first aid, injury prevention principles, the healing process, rehabilitation techniques, therapeutic modalities, sports nutrition, sport psychology, and performance enhancement philosophies. \$

INTRODUCTION TO HEALTH SCIENCE

.5 Technical or science credit

Grade 10 SOPHOMORES ONLY!!!

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 for those sophomore 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 \$5.00 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/ MED TERM

1.5 Technical or Science or Health credit

Grades 11-12

Course # 8331, 8332, 8333

Prerequisite: Take prior to EdNet class

This full year course is designed to give students an in-depth over-view of health careers. The students will also study medical terminology, physiology and anatomy, ethics, patient psychology, death and dying, and first aid. This class has a \$15.00 lab fee to cover handouts, medical supplies, and dissection supplies that are used in class activities for labs, etc. The third trimester class (#8333 MAP C) is titled Medical Terminology. This is a separate class from the Advanced Medical Terminology 1101. \$

NUTRITION 1020

Concurrent Enrollment 3 WSU credits

.5 Technical credit

Grade 11-12

Course # 8345

Prerequisite: 3.0 GPA

Fees: \$15 USU grading fee & Cost of textbook

NFS 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. *The purchase of an I-Clicker may be required. \$

PHOTO/VIDEO/ART

DESIGN AND VISUAL COMMUNICATIONS (Commercial Art)

.5 Technical or Fine Art credit

Grades 10-12

Course # 8279

Students will be introduced to three areas of commercial art: advertising design, graphic design, and illustration. Emphasis will be placed on drawing, design techniques, and new technology. Students will become aware of the role commercial art plays in their everyday life and the persuasive nature of commercial art methods. Students will use drawing and design elements to express specific ideas to a specific audience. A brief overview of the history of commercial art and its effect on society will be examined.

DIGITAL PHOTOGRAPHY I

.5 Fine Art or Technical credit

Grades 10-12

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. \$

DIGITAL PHOTOGRAPHY 2

.5 Fine Art or Technical credit

Grades 10-12

Course # 8288

Prerequisite: Digital Photo 1

This class is a continuation of theory and technique improvement for the student who desires more depth in digital photography. Digital Photo 1 is a pre-requisite 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. \$

INFORMATION & COMMUNICATIONS TECHNOLOGY

.5 credit

Grades 9-12

Course # 8195

An introductory course focused on digital technologies and what it means to be living in a digital world. Students will gain an understanding of how digital technologies impact the environment, society, and the economy. Students will develop a foundation in essential abilities and attitudes that will in turn expand their opportunities in the world of information and communications.

VIDEO TECHNOLOGY AND PRODUCTION A & B

.5 Fine Art or Technical credit

Grades 10-12

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. We have a classroom set of GoPro cameras for class activities and filming assignments.

WOODS

FURNITURE DESIGN and MANUFACTURING A & B (Woods 2)

1 Technical credit

Grades 10-12

Course # 8269, 8272

Prerequisite: Woodworking

The second instructional course in a sequence that prepares individuals to apply technical knowledge and skills to prepare and execute furniture design projects; assemble and finish furniture articles; repair furniture; and stresses the safe use a variety of hand and power tools and machinery. Recommended projects would be anything that would allow students to incorporate all joints and tools e.g. a chest of drawers. Prerequisite, Woodworking. \$

INTRODUCTION TO CONSTRUCTION TRADES FOUNDATION (Previously offered as: CARPENTRY 1 A & B)

1 Technical credit

Grades 10-12

Course # 8212, 8213

Prerequisites: Woodworking

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 1/4"=1'-0" scale. These courses are based on the current National Center for Construction Education and Research (NCCER) task list. Prerequisite, Woodworking.

WOODWORKING (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 and shape stock; assemble projects; saw and sand projects; and stresses the safe use a variety of hand and power tools and machinery. Recommended projects would be anything that would allow students to incorporate all joints and tools. \$

WORK-BASED LEARNING

CRITICAL WORKPLACE SKILLS

.5 Technical or elective credit

Grades 11-12

Course # 8207

This course is an opportunity to explore your career in real time. It will empower students with powerful job readiness and thinking skills. Students will be guided through the process of job applications, resumes, cover letters, and interviewing skills. The first two weeks of the trimester will be spent in intensive training to prepare the student for their cooperative or intern placement. Afterwards, Monday classes continue to educate and support the work experience, and students will be required to complete a minimum of four hours a week at their placement site.

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 Maximum Style Tec. There is a substantial tuition fee. A parent permission form must be submitted. See your counselor for enrollment detail. \$

BRIDGERLAND TECHNOLOGY COLLEGE

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

SOPHOMORES MAY NOT ENROLL IN BTECH CLASSES.

STUDENTS MUST ENROLL IN PRE-REQUISITE CLASSES BEING ALLOWED TO TAKE ADVANCED COURSES AT BTECH.

Bridgerland Technology College (BTECH) provides an exciting opportunity for advanced vocational/technical training. The BTECH's programs feature the latest technology in each area of study with an emphasis on training to become ready to enter the job market. The programs are fast paced and challenging. Although open to students of any level, these technology classes are generally recommended for students who have completed basic courses at the high school (where offered) and are ready to move into more in-depth technology training. Most classes are available all periods of the day. Except where noted in the course descriptions, BTECH classes are open entry throughout the school year and may be offered 1, 2, or 3 trimesters. **To simplify the enrollment process at BTECH, every student who is planning on taking a course from BTECH needs to complete an "Admissions Form". This form can be found on the internet by going to my.BTECH.edu Grades 11-12.**

BTECH AUTOMATED MANUFACTURING & ROBOTS (see previous information)

\$75 annual fee

1 Technical credit per trimester

Grades 11-12

Course # 8542

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 ASL I #4747 (1st tri only)

Fees: \$10 workbook, \$15 lab fee

ASL I Introduces students to basic American Sign Language skills, including a large number of common signs. Skill in ASL is a valuable complement for many different careers. You might even find yourself on the path to a rewarding career in interpretation or in education of the Deaf. Also fulfills requirement for foreign language.

BTECH Auto Collision and Repair #8223

Fees: \$28, Safety glasses, long sleeve coveralls, workbooks.

This fun program provides an opportunity to repair and paint modern vehicles. Eligible for I-CAR gold class points (college credit available at University of Phoenix). Instruction and hands-on experience provide experience on panels and fenders - personal vehicles are rarely allowed. Safety, environmental protection, fundamentals of collision repair, vehicle identification, estimating systems and terminology, frontal impact analysis, mechanical systems analyses, restraints, interior, glass, side/rear impact analysis, hazardous materials, personal safety, refinish safety, and corrosion protection are covered.

BTECH Automotive Services #8228

Fees: Approx \$30

Prerequisite: Ag Systems

Starts with an overview of automobile equipment and its operating systems. Emphasis will be placed on safety in the auto shop, common hand tools and equipment, and the operation of various systems. Students have the opportunity to complete minor repairs and preventative maintenance procedures on their personal vehicles. As students progress through the curriculum, they will have an opportunity to learn ASE areas of electrical systems, engine performance, manual drive trains, automatic transmissions, steering and suspension systems, brakes, and other ASE certified areas. This course is individualized and includes extensive hands-on experiences.

BTECH Building Technology #8215

Fees: \$40 refundable tool rental

Basic Carpentry – Learn how to construct an actual home. All the classroom and lab experiences are directed by instructors who are experienced in general contracting and in education. The course objective is to prepare students for entry-level employment in the building trades industry.

BTECH Cabinetmaking #8273

Beginning Cabinetmaking and Millwork

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

Advanced Cabinetmaking and Millwork

Focuses on further development of skills from beginning course. Project work will be accelerated and introduces students to advanced cabinetry techniques such as raised panel construction, angle cabinetry, plastic laminates, millwork techniques, and kitchen designs. Prepares students for entry-level employment in a cabinet shop setting. Hours from this class can be credited towards the BTECH Adult Cabinetmaking and Millwork program (Postsecondary).

BTECH Cosmetology #8093

Fees: Materials approx. \$170, optional text \$80

Prerequisite: 16 years old

This class is held at the Brigham City BTECH campus and student is responsible for own transportation. This program provides theory and practical instruction in all phases of cosmetology and barbering including professionalism, sanitation, finger waves, pin curls, roller sets, thermal styling, braiding, hair cutting, perming, coloring, chemical relaxing, hair removal/waxing, manicuring, pedicuring, acrylic nails, facials, extensions, histology of skin and nail, and barbering. After successful completion of the cosmetology competencies and 2000 hours, students will be prepared to take the Cosmetology Barber license state board exam.

BTECH Culinary Arts #8091

Fees: \$80 tools

Prerequisite: Foods and Nutrition

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

BTECH Dental Assisting #8294

Intro to Dental Assisting

Fees: Dental packet and kit \$15

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

Dental Terminology

Prerequisite: Intro Dental

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

Dental Assisting

Fees: Books and supplies \$126

Prerequisite: Intro & Terminology

This course is for students who plan to pursue a career in the dental field. Learn the basics of four-handed dentistry as well as to chart teeth, pass instruments, position patients, mount X-rays, take impressions, pour models, mix cements, and assist the dentist. Students will also learn a variety of general office management skills, e.g., scheduling appointments, telephone etiquette, filing charts, billing insurance, etc.

BTECH Diesel #8233

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 Electronics Technology #8219

Fees: \$40 lab fees plus supplies and workbooks

Digital Electronics

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

Electronic Fundamentals

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

BTECH Fashion Merchandising #8050

Fees \$15 packet

Prerequisite: Fashion Strategies

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

Fashion A: Hands on experiences introduce image consulting, brands and images, cosmetic and fragrance industry, accessories, and fashion show production. Develop the skills needed to work in the retail industry assisting clients in making better clothing and accessory choices. Students will participate in planning and producing a live fashion show.

Fashion B: Study the top fashion designers and what inspires their collections and then try your hand at it as you experience the design process. (Sketching skills are not required.) Students learn about trend forecasting, the apparel industry, fashion history and textiles, as well as retailers.

Fashion C: Discover the countless fashion career opportunities and learn many of the necessary skills to obtain them, including, selling techniques, visual display and merchandising, promotion and interview skills. Students will create their own store layouts and visual displays, as well as participate in planning and producing a full-scale fashion show.

HEALTH SCIENCE #8321

Are you interested in health and wellness? Are you able to remain calm in a crisis? Do you have an interest in working with people who are injured or sick, promoting wellness, and sharing knowledge with others? Whether you enjoy managing health care information or working directly with people, there are a wide variety of health care career opportunities to explore within the largest employment industry in the United States. Health Science careers combine medical information, current technology, and the human touch to administer necessary care around the clock, responding to the needs of millions of people—from newborns to the injured or critically ill. **Once enrolled, each student will have an opportunity to meet with the Health Sciences faculty to match his/her career goal with the available Health Sciences courses offerings. Some prerequisites and/or age restrictions may apply. Current and specific details including costs for each course will be provided to students for parental consent during orientation.**

Consumable textbooks, supplies, student notes, and state test fees required. Some courses may take multiple trimesters/semesters to complete, may have State attendance/competency regulations, and/or may require fees for State testing. Courses that lead to certification/licensure have mandatory attendance requirements. **School and/or medical excused absences are NOT allowed and will still be reported as missed time to regulatory agencies and may prohibit certification/licensure.** Students involved in extracurricular activities involving multiple school absences may not want consider enrolment in these types of regulated courses (e.g., CNA, Pharmacy Technology, etc.).

Courses offered in the Health Science area are listed next.

BTECH Nurse Aide

Fees: Textbook \$43, Notes \$10, Scrubs \$22, Clinical Fee \$25, State Board Exam \$70

Prerequisite: Must be 16

Students learn basic nursing assistant skills needed to work in a hospital, nursing home, or home health agency. Students prepare to take the Certified Nursing Assistant state board exam for state certification; the exam is optional and can be taken up to two years after course completion. Students must have a reading level high enough to enable him/her to pass the class and take the state board exam if he/she chooses. **Federal/State mandates require all students seeking certification pass all course exams with 75 percent or higher. A 24 hour externship in a nursing home is a course requirement.** Student must provide their own transportation to clinical facilities.

Recommended for the BTECH Practical Nursing Program and require for most nursing programs.

BTECH Drug Dosages and Calculations

Fees: Textbook \$87

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

BTECH Medical Office Administration

Fees: \$10

Prerequisite: Medical Terminology

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

BTECH Medical Terminology

Fees: Textbook \$68

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 Practical Nursing Programs and is strongly recommended for students who plan to pursue any health care career.

BTECH Pharmacy Tech Introduction

Fees: Textbook \$72

This program prepares individuals to support pharmacists, including pharmacist-approved consultation regarding over the counter medications and natural products, counter dispensing operations and prescription preparation; maintaining patient and related health record information; and by performing a wide range of practice related duties for retail, hospital, home care, mail-order and other pharmacy settings.

BTECH Veterinary Technician #8029

Prerequisite: Veterinary Assistant Learn animal nursing, emergency care, veterinary terminology and anatomy.

In the veterinary assistant course, you will learn the skills needed to keep animals healthy and to nurse them when they are ill. Study includes: obtaining animal health histories and records, providing specialized nursing care under the direction of a veterinarian, assisting in surgical procedures, washing, feeding, and caring for animals, animal communication, behavior, and training. Veterinary assisting is a rewarding career in a growing field. Students are prepared through classroom instruction and hands-on training in a veterinary office/clinic.

BTECH Industrial Automation #8221

Fees: \$40 lab fee plus supplies and workbook

Prerequisite: Ag Systems Tech 2 and/or Technical Design

Students will select from the following specialty areas:

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

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

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

Instrumentation and Motion Control: Covers instrumentation in Process control.

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

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

BTECH Information Technology #8070

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

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

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

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

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

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

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

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

dismantle and reassemble actual computers. Combined with Operating Systems, this class prepares you for A+ IT Technician industry certification test.

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

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

BTECH Interior Design #8128

Fees: \$15-\$20 supplies

Prerequisite: Interior Design

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

BTECH Machine Shop Operations #8257

Fees: \$10-20 supplies

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

BTECH Meat Services #8097

Fees: Knives-can rent or buy \$10-\$60

Prerequisite: Foods 1 or 2 and/or Animal Science

Learn the basic skills for a prosperous and satisfying career in the meat production industry. Students learn harvesting of beef, pork, and lamb; wholesale, retail, and custom meat cutting practices; knife care; purchasing; inspection; merchandising; advertising; and public relations. This hands-on experience enables students to work in an entry-level meat business with excellent job opportunities and high earning potential. This program is equipped with state-of-the-art equipment and provides an amazing environment for meat cutting training.

BTECH Welding Technology #8261

Fees: Supplies and workbooks approx. \$20-\$50

Prerequisite: Ag Systems

This course offers basic training in seven major welding processes, which will teach entry-level skills for production and industrial employment. Blueprint reading, welding inspection, basic metallurgy, layout, and fabrication skills are taught with hands-on welding. Basic courses are offered every trimester. Students who enroll for consecutive trimesters will work toward an advanced ECAT certificate including robotics, welding certification, and be eligible to receive a BTECH Certificate of completion when all requirements are met.

Summer BTECH Classes

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

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COURSE NUMBERS

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9130	1st Tri Drivers Ed A	9 -11
9131	2nd Tri Drivers Ed B	9 -11
9132	3rd Tri Drivers Ed C	9 -11
8207	Career Internship *	11 -12
9204	Diversity Discovery A	11 -12
9205	Diversity Discovery B	11 -12
9147	Light and Sound	10 -12
9141	Peer Tutor	10 -12

FINANCE

<u>#</u>	<u>Course</u>	<u>Grade Level</u>
8139	Adult Roles/Fin Lit A	11-12
8142	Adult Roles/Fin Lit B	11-12
0333	Financial Literacy	11-12
5200	Math of Pers Finance A	11-12
5201	Math of Pers Finance B	11-12
0334	BUSN 1021 Pers Fin Plan	11-12
<u>FINE ARTS</u>		
<u>#</u>	<u>Course</u>	<u>Grade Level</u>
1110	AP Art A	11 -12
1111	AP Art B	11 -12

1112 AP Art C	11 -12
1101 Art 1	9 -12
1102 Art 2	9 -12
1103 Art 3	10 -12
1006 Band – Symphonic A (Advanced)	9 -12
1007 Band – Symphonic B (Advanced)	9 -12
1008 Band – Symphonic C (Advanced)	9 -12
1003 Band – Concert (Intermediate)	9 - 12
1004 Band – Concert (Intermediate)	9 - 12
1005 Band – Concert (Intermediate)	9 - 12
1009 Band - Percussion A	9 -12
1010 Band - Percussion B	9 -12
1011 Band - Percussion C	9 -12
1120 Ceramics 1	9 -12
1123 Ceramics 2	9 -12
1045 Choir - A Cappella (Mixed Choir) A*	11 -12
1046 Choir - A Cappella (Mixed Choir) B*	11 -12
1047 Choir - A Cappella (Mixed Choir) C*	11 -12
N/A Choir – Chamber – REQUIRES AUDITION	11-12
N/A Choir – Chamber – REQUIRES AUDITION	11-12
N/A Choir – Chamber - REQUIRES AUDITION	11-12
1058 Choir – Men’s Chorus	9-12
1059 Choir – Men’s Chorus	9-12
1069 Choir – Men’s Chorus	9-12
1042 Choir – Treble	9-12
1043 Choir – Treble	9-12
1044 Choir – Treble	9-12
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8287 Digital Photography 1	9 -12
8288 Digital Photography 2	9 -12
4200 Film: History, Technique & Analysis	11-12
8016 Floriculture (Floral Design)	10-12
1024 Guitar 1	9 – 12
1025 Guitar 2	9 – 12
1075 Guitar 3	10-12
4026 Humanities A	11 -12
4027 Humanities B	11 -12
4028 Humanities C	11 -12
8131 Interior Design	10 -12
1062 Music 1010	11 -12
1082 Musical Theatre 3	10 -12
1052 Orchestra – Intermediate A	9 - 12
1053 Orchestra – Intermediate B	9 - 12
1054 Orchestra – Intermediate C	9 - 12
1033 Orchestra – Advanced A	9 -12
1034 Orchestra – Advanced B	9 -12
1035 Orchestra – Advanced C	9 -12
1105 Sculpture	9 -12
7017 Social Dance 1 F	9 -12
7018 Social Dance 1 M	9 -12
7019 Social Dance 2 A F	10 -12
7020 Social Dance 2 A M	10 -12
7023 Social Dance 2 B F	10 -12

7024 Social Dance 2 B M	10 -12
1060 Song Writing (Music Comp)	10 -12
1083 Theatre 1	9 -12
1090 Theatre 2	9 -12
8189 Video Tech & Prod A	9 -12
8190 Video Tech & Prod B	9 -12

FOREIGN LANGUAGE

#	Course	Grade Level
4714	French 1 A	9-12
4715	French 1 B	9-12
4717	French 2 A	10-12
4718	French 2 B	10-12
4723	French 3 A	11-12
4724	French 3 B	11-12
4725	German 1 A	9-12
4726	German 1 B	9-12
4727	German 2 A	10-12
4728	German 2 B	10-12
4733	German 3 A	11-12
4734	German 3 B	11-12
4757	Mandarin Chinese 1 A	9-12
4758	Mandarin Chinese 1 B	9-12
4748	Mandarin Chinese 2 A	10-12
4749	Mandarin Chinese 2 B	10-12
4766	Mandarin Chinese 3 A	11-12
4767	Mandarin Chinese 3 B	11-12
4704	Spanish 1 A	9-12
4705	Spanish 1 B	9-12
4706	Spanish 2 A	9-12
4707	Spanish 2 B	9-12
4708	Spanish 3 A	10-12
4709	Spanish 3 B	10-12
4710	Spanish 4 A	11-12
4711	Spanish 4 B	11-12

HEALTHY LIFE STYLES

#	Course	Grade Level
7011	Aerobics	11 -12
7050	Athletic Weights/Condition 1	10 -12
7051	Athletic Weights/Condition 2	10 -12
7052	Athletic Weights/Condition 3	10 -12
7117	Baseball *(Team)	9 -12
7113	Basketball F *(Team)	9 -12
7114	Basketball M *	9 -12
7100	Cheer Squad A *	11 -12
7101	Cheer Squad B *	11 -12
7102	Drill Team (Caprielles) *	9 -12
7105	Football *(Team)	9 -12
7111	Golf*(Team)	9 -12
7002	Health	9
7003	Participation Skills & Techniques (PE 9)	9
7005	Fitness for Life (PE 10)	9-10

7009 Individual Lifetime Activities	11 -12
7017 Social Dance 1 F	9 -12
7018 Social Dance 1 M	9 -12
7019 Social Dance 2 F	10 -12
7020 Social Dance 2 M	10 -12
7023 Social Dance 3 F	10 -12
7024 Social Dance 3 M	10 -12
7104 Volleyball *(Team)	9 -12
7013 Weights - Beginning	9 -12
7012 Weights/Condition (Adv)	11 -12
7112 Wrestling *(Team)	9 -12

LANGUAGE ARTS

#	Course	Grade Level
4054	AP English A	11-12
4055	AP English B	11-12
4056	AP English C	11-12
8401	Business Communication	10-12
4025	Creative Writing	11-12
4064	Debate 1A	9-12
4065	Debate 1B	9-12
4003	English 9A	9
4004	English 9B	9
4007	English 10 Literature	10
4006	English 10 Writing	10
4011	English 11 Literature	11
4010	English 11 Writing	11
4014	English 12 (Writing)	12
4050	English 1010	12
4051	English 2200	12
4200	Film History & Analysis	10-12
4026	Humanities A	11-12
4027	Humanities B	11-12
4028	Humanities C	11-12
4040	Journalism A Basic Copy/Des	10-12
4041	Journalism-Newspaper B	10-12
4042	Journalism-Newspaper C	10-12
4043	Journalism-Yearbook A	11-12
4044	Journalism-Yearbook B	11-12
4045	Journalism-Yearbook C	11-12
4038	Mythology	11-12
4029	Novels & Short Stories	11-12
4033	Sports Lit (& Film)	10-12

MATHEMATICS – FOUNDATIONS

#	Course	Grade Level
5303	Secondary Math 1 A	9
5304	Secondary Math 1 B	9
5305	Secondary Math 1 C	9
5333	Secondary Math 1 – HONORS A	9
5334	Secondary Math 1 – HONORS B	9
5306	Secondary Math 2 A	10
5307	Secondary Math 2 B	10
5308	Secondary Math 2 C	10
5336	Secondary Math 2 A HONORS	10

5337 Secondary Math 2 B HONORS	10
5309 Secondary Math 3 A	11
5310 Secondary Math 3 B	11
5338 Secondary Math 3 HONORS A	11
5339 Secondary Math 3 HONORS B	11
5342 Sec. Math 3 HONORS BLOCKED A	10
5343 Sec. Math 3 HONORS BLOCKED B	10

MATHEMATICS – ADVANCED

#	Course	Grade Level
5026	AP Calculus (AB) A	11 -12
5027	AP Calculus (AB) B	11 -12
5028	AP Calculus (AB) C	11 -12
5030	AP Statistics A	11 -12
5031	AP Statistics B	11 -12
5024	Math 1050	12
5025	Math 1060	12
5022	Precalculus A	12
5023	Precalculus B	12
5208	STAT 1040	12

MATHEMATICS – APPLIED

#	Course	Grade Level
8364	Accounting 1	10 -12
8365	Accounting 2	10 -12
8361	Accounting 1050 (OSS 1050)	11 -12
8725	Computer Programming 1A	10-12
8726	Computer Programming 1B	10-12
5200	Math of Pers Finance A	11 -12
5201	Math of Pers Finance B	11 -12

OFF-CAMPUS VOCATIONAL

#	Course	Grade Level
8086	Cosmetology	12

RELEASED TIME

#	Course	Grade Level
0551	Release Time A	10 -12
0552	Release Time B	10 -12

SCIENCE

#	Course	Grade Level
8026	Agriculture Biology A	9 -12
8027	Agriculture Biology B	9 -12
8028	Agriculture Science 1 A	9
8034	Agriculture Science 1 B	9
3016	AP Biology A	11 -12
3017	AP Biology B	11 -12
3021	AP Biology C	11 -12
3035	AP Chemistry A	11-12
3036	AP Chemistry B	11-12
3037	AP Chemistry C	11-12
3060	AP Physics	11-12
3061	AP Physics	11-12
3062	AP Physics	11-12
8032	Animal Science – A	10 -12
8033	Animal Science – B	10 -12
3052	AP Environ Science A	11 -12

3053 AP Environ Science B	11 -12	8365 Accounting 2	10 -12
3054 Astronomy: The Universe	10 -12	8139 Adult Roles/Financial Lit A	11 -12
3058 Astronomy: Space Exploration	10 -12	8142 Adult Roles/Financial Lit B	11 -12
3010 Biology A	9 -12	8342 Adv Health Science 1110 A	12
3011 Biology B	9 -12	8343 Adv Health Science 1111 B	12
3020 Botany	11 -12	8344 Adv Health Science 1111 C	12
3034 Chemistry 1010	11 -12	8339 Adv Medical Term 1101	11 -12
3030 Chemistry A	10 -12	8000 AG Systems Tech 1 A	10-12
3031 Chemistry B	10 -12	8001 AG Systems Tech 1 B	10-12
8732 Computer Science Principles	10-12	8002 AG Systems Tech 2 A	10 -12
3003 Earth Science A	9-12	8003 AG Systems Tech 2 B	10 -12
3004 Earth Science B	9-12	8026 Agriculture Biology A	9 -12
8711 Electronics 1	9-12	8027 Agriculture Biology B	9 -12
3050 Environmental Science A	11 -12	8028 Agriculture Science 1 A	9 -12
3051 Environmental Science B	11 -12	8034 Agriculture Science 1 B	9 -12
3018 Genetics	10-12	8542 AM Stem Academy	10-12
8331 Medical Anatomy/Phys A	11 -12	8032 Animal Science A	10 -12
8332 Medical Anatomy/Phys B	11 -12	8033 Animal Science B	10 -12
8333 Medical Terminology (C)	11 -12	8136 Apparel Design & Production 1 (Sewing 1)	9 -12
8345 Nutrition 1020	11 -12	8137 Apparel Design & Production 2 (Sewing 2)	10 -12
8186 Physics w/ Technology A	9 -12	0334 Business 1021 (Personal Finance)	11 -12
8187 Physics w/ Technology B	9 -12	8401 Business Communications	10 -12
8014 Plant Science Concurrent A	11-12	8378 Business Office Specialist	9-10
8018 Plant Science 1800	11-12	8241 CAD Mechanical Design 1	10-12
<u>SOCIAL STUDIES</u>			
#	Course	Grade Level	
6024	American Government	12	8239 CAD Mechanical Design 2
6005	Ancient World History	9 -10	8212 Carpentry 1 A
6007	AP European History A	10 -12	8213 Carpentry 1 B
6008	AP European History B	10 -12	8162 Child Development
6009	AP European History C	10 -12	8725 Computer Programming 1A
6014	AP US History A	11-12	8726 Computer Programming 1B
6015	AP US History B	11-12	8375 Computer Science Principles
6016	AP US History C	11-12	8207 Critical Workplace Skills
6032	AP US Gov & Pol A	11-12	8279 Design/Visual Communication
6033	AP US Gov & Pol B	11-12	8287 Digital Photography 1
6034	AP US Gov & Pol C	11-12	8288 Digital Photography 2
6530	Current Issues & Media	10-12.	8160 Early Childhood Education 1
6051	Economics 1500	11-12	6051 Econ 1500
6012	History 1700	11-12	8801 Education 1
4026	Humanities A	11-12	8802 Education 2
4027	Humanities B	11-12	8803 Education 3
4028	Humanities C	11-12	8711 Electronics
6006	Modern World History	9 -12	8316 Emergency Medical Response (First Aid)
6020	Psychology	11-12	8415 Entrepreneurship
6052	Psychology 1010	11-12	8037 Equine Science
6021	Sociology	11-12	8303 Exercise Science A
6010	US History A	11	8304 Exercise Science B
6011	US History B	11	8301 Exercise Science 2175 A
6003	World Geography	9	8311 Exercise Science 2175 B
<u>TECHNICAL</u>			
#	Course	Grade Level	
8364	Accounting 1	10 -12	8301 Exercise Science/Sports Medicine A
			8311 Exercise Science/Sports Medicine B
			8350 Exploring Business and Marketing
			8080 Exploring Computer Science
			8169 Fashion Strategies

8106 HDFS1500 (Human Growth)	11 -12
8121 HDFS 2400(Mar -Family Rel)	11 -12
8016 Floriculture (Floral Design)	10 -12
8117 Food and Nutrition 1	9 -12
8118 Food and Nutrition 2	10 -12
8269 Furniture Design & Man A	10 -12
8272 Furniture Design & Man B	10 -12
8070 IT Stem Academy	10-12
8195 Information & Communication Technology	9-12
8131 Interior Design	9 -12
8320 Intro to Health Science	10
8054 Marketing 1	10-12
8057 Marketing 2	10-12
8331 Med Anatomy/Phys A	11 -12
8332 Med Anatomy/Phys B	11 -12
8333 Med Anatomy/Phys C	11 -12
8345 Nutrition 1020	11 -12
8186 Physics w/ Technology A	9 -12
8187 Physics w/ Technology B	9 -12
8014 Plant Science Concurrent A	11 -12
8018 Plant Science 1800	11 -12
8153 ProStart 1 (Culinary Arts)	11-12
8154 ProStart 2 (Culinary Arts)	11-12
8539 Robotics 1	10-12
8059 Sports and Entertainment Marketing	10-12
8030 Veterinary Assisting - A	11 -12
8031 Veterinary Assisting - B	11 -12
8189 Video Tech & Production - A	10 -12
8190 Video Tech & Production - B	10 -12
8359 Web Development	10 -12
8268 Woodworking 1	9 -12

WORK-BASED LEARNING

#	Course	Grade Level
8207	Critical Workplace Skills*	11 -12

Notes:

1. (*) Requires teacher/counselor approval
2. All concurrent enrollment classes require a 3.0 GPA.
3. Each trimester class = .5 credit
4. Full schedule 7.5 credit Full schedule 6.5 credit (Released Time)