



**UTAH MILITARY ACADEMY - HILL FIELD
COURSE DESCRIPTION BOOK
2026 - 2027**

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Utah Military Academy - Hill Field Course Description Book

Mr. Nathan E. Dockter, School Principal
Mrs. Theresa Mbaku, School Assistant Principal
Ms. Pamela Daw, Counselor A-L
Miss Caitlin Pemberton, Counselor M-Z
(801) 689-3013

<https://www.utahmilitaryacademy.org>



WELCOME TO UTAH MILITARY ACADEMY - HILL FIELD

SCHOOL PROFILE

Utah Military Academy – Hill Field Campus is a public charter school serving cadets in grades 7–12 in Riverdale, Utah. The school emphasizes academic achievement, leadership development, citizenship, and college and career readiness through a military-based educational model.

The faculty and staff are committed to supporting cadet success through rigorous instruction, individualized support, and meaningful educational opportunities. Utah Military Academy employs approximately 42 teachers and 2 school counselors dedicated to helping cadets achieve their academic and personal goals. Nearly 98% of educators hold endorsed teaching credentials, and approximately 24% hold advanced degrees.

Utah Military Academy serves a diverse student population and strives to create an inclusive learning environment that supports all learners. Approximately 46% of students identify as ethnic minorities, 30% qualify for economically disadvantaged services, 15% are multilingual learners, and 17% receive special education services.

Source: Utah State Board of Education Data Gateway

MISSION AND VISION

Utah Military Academy is committed to developing honorable, responsible, and productive citizens through academic rigor, leadership opportunities, citizenship, and service. The school partners with families, educators, community organizations, higher education institutions, and military leaders to empower cadets to become confident lifelong learners prepared for future success.

A TRADITION OF EXCELLENCE

Utah Military Academy – Hill Field Campus continues a tradition of academic excellence, leadership development, and character education through a structured environment that prepares cadets for college, career, military service, and community leadership. Located in Riverdale, Utah, Utah Military Academy serves cadets in grades 7–12 and enrolls approximately 700 cadets annually. The school's faculty and staff are dedicated to creating a safe, disciplined, and supportive learning environment where cadets are challenged to achieve high academic and personal standards.

ACCREDITATION AND CONTINUOUS IMPROVEMENT

Utah Military Academy successfully completed its Cognia Accreditation Engagement Review in Spring 2025 and received continued accreditation status. Cognia accreditation recognizes schools that meet rigorous standards for educational quality, leadership, teaching and learning, and continuous improvement. The review process included a comprehensive self-assessment, stakeholder feedback, classroom observations, and an external evaluation conducted by trained educators. Continued accreditation reflects Utah Military Academy's commitment to providing high-quality educational experiences and fostering a culture of continuous improvement for all cadets.

Approved by the UMA Board of directors July 22, 2026



ACADEMIC OPPORTUNITIES

The faculty and staff at Utah Military Academy work to provide learning opportunities that meet the needs and interests of all cadets. Cadets have access to a wide variety of core academic courses, elective offerings, leadership development experiences, career and technical education pathways, concurrent enrollment courses, internships, and online learning opportunities.

Weber State University serves as the school's primary Concurrent Enrollment partner, while Salt Lake Community College partners with UMA to support aviation and Airframe program opportunities.

CAREER AND TECHNICAL EDUCATION PATHWAYS

Utah Military Academy also provides cadets with access to hands-on career training through partnerships with Ogden-Weber Technical College and Davis Technical College. These programs allow eligible cadets to gain industry certifications, technical skills, and workforce experience while still enrolled in high school.

LEADERSHIP AND CHARACTER DEVELOPMENT

The school maintains high expectations for academic achievement, citizenship, attendance, and personal responsibility. Cadets are encouraged to participate in community service, leadership activities, and extracurricular opportunities that promote teamwork, integrity, discipline, and civic engagement. Through its emphasis on leadership and character development, Utah Military Academy helps cadets build the confidence and skills necessary for success in postsecondary education, military service, and the workforce.

PURPOSE OF THIS GUIDE

This curriculum guide has been prepared to assist cadets and parents in selecting courses that align with graduation requirements, college and career goals, and individual interests.

We are pleased you have chosen Utah Military Academy - Hill Field. As mentioned above, Utah Military Academy has a tradition of excellence which is evidenced by high academic standards and high student expectation. This handbook has been prepared to assist UMA students and their parents in selecting an appropriate course of study from the various subjects offered at the secondary level. The school faculty and administration are prepared to advise the students in choosing an educational program best suited to their needs, interests, and abilities. Subject offerings, class standing, graduation requirements and course descriptions are covered in this book. It is highly recommended that students enroll and maintain a rigorous educational program to prepare for the challenges of future academic and vocational endeavors.

If you have questions or need additional information, please contact the school counseling office or administration.



STATEMENTS OF MISSION, VISION, AND PHILOSOPHY

CORE COMMITMENTS

We develop a strong set of Core Commitments for our cadets that include:

1. Respect for themselves, their fellow cadets, faculty and staff, community and country.
2. Integrity in every aspect of their lives.
3. Work ethic as a backbone of all accomplishment of the mind and body.
4. Expectation of excellence as a key component of improvement.
5. Gratitude for the opportunities provided them within Utah Military Academy, the community and our nation, with a focus on patriotism with determined and known purpose.
6. Mindset of achievement in the face of daunting obstacles, challenges, and odds.

VISION STATEMENT

The Utah Military Academy will prepare cadets as leaders to thrive in any competitive environment upon graduation with a focus on entrance into the military academies, ROTC scholarship programs in colleges and universities or other technically challenging opportunities related to the military culture. All of which result in maximizing their potential throughout life.

MISSION STATEMENT

Utah Military Academy recognizes academic excellence is a requirement for admission to a United States Military Academy or to qualify for ROTC scholarships. In order for students to be fully prepared for its rigorous high school curriculum, the school will admit students beginning in seventh grade in order to build and strengthen necessary academic skills.

We will also engage the family and community in supporting this culture both on campus and off. An important part of program implementation is the hiring and development of our professional staff. We recognize that many of the finest teachers may not have a military background, which will first entail a strong exposure and then complete adoption of culture among staff. It is from the demonstrated leadership of our staff that culture will be shared with cadets, family, and community

UTAH MILITARY ACADEMY PHILOSOPHY

Fully aware that the cadet is the focal point of the educational program, Utah Military Academy accepts the responsibility for his/her development with the following understandings:

1. The educational opportunities offered to cadets, with concern for individual, emotional, physical, and intellectual differences, must be equal without regard to race, creed, or color or national origin.
2. The cadet's education should assist in the development of habits, attitudes, understandings, and skills necessary for a productive, satisfying life in society.
3. The educational process should develop a feeling of self-worth and accomplishment through effective and appropriate challenges.
4. In order to make their education meaningful, cadets should be encouraged to participate in a variety of activities and be given the opportunity to review the results whenever applicable.
5. The need of cadets to adjust to a changing world in the areas of economics, technology, governments, and limited resources should be met by an educational plan that is flexible and innovative.
6. The total educational atmosphere should be characterized by effective communication and cooperation among parents, cadets, citizens, and professional staff.



UTAH MILITARY ACADEMY EDUCATIONAL OBJECTIVES

Utah Military Academy Educational Objectives include cadet attitudes, skills, behaviors, and understanding in three areas: scholarship, character, and citizenship.

SCHOLARSHIP

Cadets will...

1. master course content.
2. develop oral and written communication skills.
3. solve problems by thinking objectively, critically, logically, and creatively.
4. develop the life skills needed to adapt to a changing society.
5. appreciate artistic expression.
6. develop technological skills and communicate through the use of technology.

CHARACTER

Cadets will...

1. develop positive self-images.
2. demonstrate self-discipline.
3. exhibit integrity.
4. appreciate truth, intelligence, and ability.
5. strive for excellence.
6. seek enjoyment in learning, realizing education continues throughout life.
7. enhance wellness.

CITIZENSHIP

Cadets will...

1. understand and participate in the democratic process.
2. practice freedom of expression and demonstrate respect for the opinion of others.
3. appreciate the contributions of all racial, ethnic, and national groups.
4. recognize the interdependence of all people and nations.
5. recognize the need to protect the environment.
6. assume responsibility for personal and peer group actions.
7. exhibit tolerance for people different from themselves.
8. display good sportsmanship.
9. respect authority.
10. serve their community.



UTAH MILITARY ACADEMY GRADUATION REQUIREMENTS

Utah Military Academy has established its standards for graduation to meet or exceed the minimum standards set forth by the Utah Department of Education and The State of Utah Revised Code. At the time of graduation, the Utah Military Academy Board of Trustees requires that each cadet has fulfilled and achieved all academic, curricular and financial obligations with the school. Accomplishing these high academic requirements will indicate that the student is prepared and ready for any post secondary endeavor they wish to accomplish, whether it be military service, a vocation, a career, or a college education. Cadets must complete one of the requirements lists below to receive a high school diploma.

UTAH GRADUATION REQUIREMENTS

UTAH STATE BOARD OF EDUCATION GRADUATION REQUIREMENTS

Language Arts	4.0 credits
Mathematics	3.0 credits
Science	3.0 credits
Social Studies	3.0 credits (3.5 beginning grade 10 cohort in SY 2026-2027)
The Arts	1.5 credits
Health Education	0.5 credit
Physical Education	1.5 credits
Career Technical Education	1.0 credit
Digital Studies	0.5 credit
General Financial Literacy	0.5 credit
Electives	5.5 credits (5.0 beginning grade 10 cohort in SY 2026-2027)
TOTAL	24 credits

UTAH MILITARY ACADEMY GRADUATION REQUIREMENTS

UTAH MILITARY ACADEMY GRADUATION REQUIREMENTS

Language Arts	4.0 credits	Directed Coursework	3.5 credits
English 9-11		1.5 Credit (Fine Arts)	
Applied or Advanced English		1 Credit (CTE)	
Mathematics	4.0 credits	0.5 Credit (Computer Technology)	
Must complete Sec. Math I and II		0.5 Credit (General Financial Literacy)	
1 Math from Applied/Advanced math		Physical Education/Health	2.0 credits
1 Math elective		0.5 Credit (Health)	
Science	4.0 credits	0.5 Credit (Participation Skills)	
Minimum 2 from Earth Science, Biology, Chemistry, or Physics		0.5 Credit (Fitness for Life)	
Social Studies	3.0 credits	0.5 Credit (Ind. Lifetime Activities)	
U.S. History, Geography, Civilization, U.S. Govt and Citizenship, Economics or Psychology		Optional 0.5 Credit Maximum (Team Sport/ Athletic Participation can be used for Participation Skills or Ind. Lifetime Act.)	
JROTC	3.0 credits	Required Electives	3.5 credits
Science of Flight, Space Exploration, Aviation History, and Global Awareness		TOTAL	27 credits



REQUIREMENTS FOR HONORS DIPLOMA

Cadets must meet at least eight of ten criteria to be awarded a diploma with honors by the board of Utah Military Academy. Vocational students may complete vocational credits in a vocational program as part of their criteria for an Honors Diploma. A fourth credit in mathematics and science is encouraged; cadets should consider AP and CE course offerings as a part of their path to an Honors Diploma.

Utah Military Academy Diploma with Honors for Graduating Classes of 2027 and Beyond <i>Students need to fulfill only 8 of the following 10 criteria</i>	
Subject	Criteria
English	4 units, which includes a AP or CE credit
Mathematics	4 units, including Mathematics I, Mathematics II, Mathematics III, or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content
Science	4 units, including Physics and Chemistry
Social Studies	4 units
Foreign Language	3 units, or 2 units of 2 different languages studied
Fine Arts	3 units
Career-Technical	4 units or completion of vocational program
JROTC	6 units and/or completion of JROTC program completion
Grade Point Average	3.5 on a 4.0 scale
ACT/SAT Score	27 ACT / 1210 SAT
Additional Assessment	None

Diploma with Honors requirements pre-suppose completion of all high school diploma requirements in Utah Revised Code including:

- Physical Education (two courses)
- Health
- US History
- US Government



UMA PREFERRED COURSE SEQUENCING

Utah Military Academy devised a plan for cadets to follow that maximizes success and achievement. It is important to understand that courses are designed and sequenced to build academic skills as the cadet progresses through high school.

NINTH GRADE

Earth Science
Language Arts 9
Secondary Math I
World Geography
Digital Studies
Exploration of Space
Participation Skills
CTE Class
Fine Arts

TENTH GRADE

Biology
Secondary Math II
Language Arts 10
World History
Space Exploration
Health II
Fit for Life
CTE Class
Fine Arts

ELEVENTH GRADE

Chemistry
Language Arts 11
Secondary Math III
US History II
Global Awareness
PE Elective
CTE Class
Fine Arts
Financial Literacy

TWELFTH GRADE

Language Arts 12
US Government
Global Awareness
Physics/Other Science
Math Elective

UTAH COLLEGE PREPARATION RECOMMENDATIONS

Utah public universities recommend a college-preparatory curriculum known as the Regents' Track. While admission policies are generally test-optional, completing these rigorous high school courses is critical to prevent remedial math/English and qualify for state aid like the Opportunity Scholarship.

Recommended high school coursework includes:

English: 4 years of composition and literature.

Mathematics: 4 years beyond elementary algebra (e.g., Secondary Math I, II, III, plus one class beyond Math III).

Science: 3 years of lab-based courses, specifically one year each of Biology, Chemistry, and Physics. Social Science: 3.5 to 4 years (including US History and Government).

World Language: 2 years of the same foreign language taken in grades 7–12.

Additional Courses: 4 years chosen from rigorous electives like fine arts, computer science, or advanced language.



GENERAL INFORMATION

The AFJROTC Program is a five-year program for junior high and high school students. Each Class is divided into three categories:

- Aerospace Science (40%)
- Leadership Education (40%)
- Wellness/Fitness (20%)

Major topics in the Aerospace Science curriculum include history, science, space, and optional studies.

Major topics in the Leadership Education curriculum include Air Force customs and courtesies, cadet corps activities, time management, communication skills, life skills, leadership and management studies, drill and ceremonies and wellness/physical training.

Wear of the AFJROTC uniforms is a key component of the AFJROTC cadet experience and performance in inspections will be counted toward their grade in AFJROTC classes.

POST-GRADUATION BENEFITS

Advanced Enlistment. In accordance with DODI 1205.13, Section 2.2.m.1, March 14, 2024, "A recruit for military service who has completed at least 2 academic years of the JROTC Program under any Military Department, and has graduated from high school, is entitled to advanced promotion to the paygrade of no less than E-2 on initial enlistment in an Active or Reserve Component of a Military Service. Advancement to the paygrade of E-3 may be awarded for successful completion of 3 academic years of the JROTC Program."

For the USAF, see DAFMAN 36-2032, Table 3.1, Rules 4, 7, & 1

ROTC Course Credit. A student who completes at least two years of JROTC may be entitled to Gen General Military Course (GMC) program credit in the senior ROTC program. See Para. 6.4 of 16 *Air Force Manual, Military Recruiting and Accessions, DAFMAN 36- 2032, 16 January 2025*, College ROTC programs control their ROTC scholarships. For information on AFROTC scholarship eligibility, availability, and other issues contact local leaders and recruitment offices.

Further information is also available at: www.afrotc.com, via Twitter: <https://www.twitter.com/usairforce>, via Instagram: <https://www.instagram.com/usafrotc/?hl=en> or by contacting the AFROTC representatives at Air University's Holm Center.

As a member of the Association of Military Colleges and Schools of the United States (AMCSUS), UMA cadets benefit from expanded access to the nation's four junior military colleges and six military universities. These opportunities may include guaranteed admission pathways and access to enhanced military scholarship programs.



Service Academy Nominations:

- U.S.C. Title 10 sets aside up to 20 nominations per Service Academy for “honor graduates of JROTC honor schools.” Holm Center Operations Support will send a list of the AFJROTC Distinguished Unit Award (DUA) winners to all three Service Academies. The Service Academies will maintain a Distinguished Unit Award list, so cadets who apply to Academies online will get additional consideration. Due to the level of competition for these limited appointments, cadets are highly encouraged to pursue other nomination sources to increase their chances of earning an appointment.
- See your SASI or ASI for recommendations on how to contact your Congressional representative. Applications for Congressional recommendations open in the summer before your senior year and typically close in October.
- Physical fitness is important to our wellbeing. You must set your own personal goals. The average 1 mile run time for the Air Force Academy’s (AFA) Candidate Fitness Assessment (CFA), www.academyadmissions.com is 6:29 for men and 7:30 for women. Academics are important, but not enough. If you are seeking an Academy nomination, a ROTC scholarship or a SASI/ASI letter of recommendation, you must meet or exceed the respective application’s average physical fitness scores.

UMA AFJROTC CURRICULUM REQUIREMENTS

Utah Military Academy is a public charter school of choice. All students attending Utah Military Academy, grades 8-12 are required to participate in UMA’s AFJROTC program and meet all program requirements.

Cadets of The Utah Military Academy can and will pass all their AFJROC courses by focusing on the principles taught not just through the curriculum, but also through in-class life lessons and adhering to the greater AFJROTC mission statement and vision.

UMA AFJROTC CURRICULUM PLAN

- Seventh Grade (7th Grade)
 - Military Awareness
 - Wellness
- Eighth Grade (8th Grade)
 - AS-000: Character and Leadership Development
 - LE-000: Medal of Honor/Drill and Ceremonies
 - Wellness
- Freshman (9th Grade)/Sophomore (10th Grade)
 - AS-300: Exploration of Space
 - LE-200: Communication, Awareness, and Leadership
 - Wellness
- Junior (11th Grade)/Senior (12th Grade)
 - AS-220: Global Awareness
 - LE-400: Fundamentals of Management
 - Wellness



PLANNING YOUR HIGH SCHOOL ACADEMIC CAREER

Parents and cadets are encouraged to have a plan with regard to the academic courses. To get an idea of what a cadet will take for their high school career, it is important to know the graduation requirements and what the student wants to do after high school. Based on those requirements and cadet interest, parents and cadets can “map out” the sequence of courses for their high school career, using the suggested pathways found in Appendix A.

What is a Pathway? A pathway is a suggested plan for a sequence of courses with a particular end result or goal outcome. For example, if a student wants to attend college after high school but does not know exactly what they want to major in, they could use the pathways described in the Utah Transfer Guide (<https://utahtransferguide.org>), which will focus on gaining college credits towards general education requirements.

If a student wants to be prepared for the workforce or wants to attend a vocational/technical school such as Ogden Technical College or Davis Technical College, there is a specific pathway of suggestion for each alternative. The pathway suggestion are as follows:

- Traditional High School Education Track - For college prep or workforce ready
- CTE Ready High School Education Track - For cadets wanting to pursue programs at a vocational college or institution
- The Utah Transfer Track- For cadets pursuing college credits that lead to an associate's degree and represents more than 30 semester hours of college coursework.

NOTE: These tracks are merely suggestions on planning your high school career. There is a great deal of flexibility to your course work strategy based on your interests and your developmental ability. Please see **Appendix A: Pathways** for the actual Pathway design. Blank pathway forms are available for use in **Appendix C**.

If you or your parents have questions concerning any phase of the school program, please set up an appointment with our school counselors. Parents may set up an appointment by calling the high school counseling office (801) 689-3013.



BELL SCHEDULE AND NUMBER OF COURSES

Utah Military Academy operates on a 5x5 A/B block schedule. This is an academic calendar where cadets take ten (10) total classes, attending 5 classes daily. Cadets alternate daily between an “A day” and a “B day,” focusing on five distinct subjects per day. Currently, a full time student is determined as having a minimum of five (5) classes per week.

It is recommended that freshmen and sophomore students should take a mixture of rigorous core classes and elective courses to establish their grade point averages (GPA) early in their high school career. When courses become more difficult and rigorous throughout their high school career, they can adjust accordingly.

NATIONAL HONOR SOCIETY SELECTION

Selection to membership in the National Honor Society is one of the highest honors earned at Utah Military Academy. Cadet selection is based on the four qualities of scholarship, character, leadership, service, and a minimum scholastic average of 3.50. Cadets who meet the scholastic requirements will be invited to apply for membership. Selection will be based on a cadet -submitted profile form which includes their verification of leadership and service. In addition, character comments from staff, teachers, coaches and advisors will be used in the selection process in conjunction with the student’s discipline file. Letters from parents will not be considered in the selection process. The final selection for membership will be made by a Faculty Council composed of five members of the Utah Military Academy Staff. The NHS advisor cannot be voting members of the committee. The role of the advisor is to collect the data and maintain the integrity of the selection process as outlined by the National Association of Secondary School Principals (NASSP), the sponsors of National Honor Society. A formal induction ceremony will be held in the Spring.

CREDIT RECOVERY PROGRAM

Due to recent state guidelines, UMA no longer provides in-house credit recovery. While there are numerous institutions that offer stand alone credit that we would accept for credit, many of our cadets have selected Northridge Academy to complete credits towards graduation. A cadet should first meet with their counselor to determine exactly what credits are needed for graduation, then they should seek out a place to complete credits. Some important points for cadets and parents to take into account is that these courses will be at their expense and will take time to complete. Credit recovery should be completed as soon as possible in order to earn a high school diploma and to walk at graduation. If cadets and parents are interested in Northridge Academy, please go to <https://www.northridgeacademy.com>

EARLY GRADUATION PROCEDURE

Graduating high school early typically means completing your required coursework in three to three-and-a-half years. In Utah, you must earn a minimum of 24 credits, including specific core subjects, electives, and career/health credits. The process requires careful planning, school counselor and principal approval, and potentially taking multiple core classes at the same time.

At UMA, we ask that any Cadet interested in early graduation should meet with their school counselor as soon as possible, preferably a semester before graduating early. There is an application process that is necessary to complete before being allowed to graduate early. The principal may request a meeting with the parents and Cadet before final approval.

If the Cadet wishes to graduate early but still walk with their graduating class, they may do so, provided they follow the same rules as governed by the administration and the board of trustees.



SEAL OF BILITERACY

To earn the Utah Seal of Biliteracy, a graduating cadet must complete all requirements for a Utah High School Diploma and demonstrate minimum proficiency levels in both English and at least one World Language (including American Sign Language and indigenous languages like Navajo or Ute).

English Proficiency Requirements: Cadets must provide acceptable evidence of English proficiency by taking one of the following state-approved assessments (typically during grades 9–12)

ACT: Minimum score of 18 on the English section

SAT: Minimum score of 480 on the English subtest

Utah Aspire PLUS: Minimum score of 3 on the English sections

AP English Language and Composition: Score of 3 or higher (AP Literature does not qualify)

WIDA (for English Learners): Overall composite score of 4.2 or higher, with at least a 3.5 on the speaking portion

World Language Proficiency Requirements: Cadets must demonstrate at least an Intermediate-Mid level of proficiency in a world language, as measured by state-approved testing standards. Acceptable assessments and minimum score requirements include:

AAPPL (ACTFL): Minimum score of I-2 on 3 of the 4 components (with Speaking and Writing required)

STAMP 4S / STAMP 3S: Minimum score of 5 on 3 of the 4 components (with Speaking and Writing required; speaking is not required for ASL)

AP World Language Exam: Score of 3 or higher For less common languages: An ACTFL Oral Proficiency Interview (OPI/OPIc) and Writing Proficiency Test (WPT) may be required.

Application Process: Cadets must complete the official Utah State Board of Education Seal of Biliteracy Student Application and submit it alongside their qualifying score reports to their high school counselor, generally by May 1st of their graduation year.

For the complete list of accepted tests, languages, and detailed score requirements, check the Utah State Board of Education World Languages page.

DROP/ADD PROCEDURE

The last date for a cadet to change their course requests for the following year is set as the first day of June. After that date, changes will only be made for extenuating circumstances as determined by the cadet's school counselor and/or the principal. After the first two weeks of school, cadets who are allowed to drop a class will receive a withdraw/failure (WF) for the semester in which the class is dropped.

To have a review of a request to drop a course after the June deadline, the cadet must contact their school counselor. Requests not following this procedure will not be heard or granted. Any course change requires teacher, counselor, principal, and parent permission.

SCHEDULE CHANGE PROCEDURE

We cannot permit schedule changes on the basis that a course turns out to be too difficult, too easy, or not what the cadet expected.

Schedule changes first and second semester will be made **ONLY** for the following valid academic reasons:

1. For administration to balance classes,
2. To make up a required course for graduation,
3. A change deemed necessary by a principal and/or teacher.

Be sure you register for the subjects/classes you **want** and **need** before the schedule is finalized at the end of the school year. The course description guide should help you determine what to expect in advance.



Think carefully about your selections! Read the course description guide very carefully and discuss it with your parents, and ask questions of your teachers and your counselor. Teacher recommendations will be used to schedule cadets. If a cadet is not recommended for a course, they will not be able to take the course without principal approval.

PARENT RELEASE PROCEDURE

Twelfth grade cadets may apply for Parent Release if they are on track to graduate and if they are pursuing other educational, experiential, or learning opportunities. For senior cadets that have fulfilled all or most of their high school graduation requirements, this is a wonderful way to transition to the world of work and post-secondary education. We highly encourage cadets to pursue these opportunities if they have already completed their high school coursework. **WE DO NOT ALLOW CADETS TO BE RELEASED WITH NO VIABLE REASON OR OPPORTUNITY.**

There are three designations for Parent Release as allowed by this procedure:

1. **Parent Release - Work:** Cadet is employed outside of school and has committed to working a minimum of 10 hours a week. NOTE: If the cadet wants to apply and enroll in the School to Work program and commit to working 14 hours per week as evidenced by employer verification, they may receive school credit.

2. **Parent Release - College:** A cadet is enrolled in a college course or program. Proof of registration is required.

3. **Parent Release - Vocational Program:** A cadet is enrolled at a technical or vocational school or program. Proof of registration is required.

To take advantage of the Parent Release Program, cadets need to apply for the release with their counselor. Proper permissions from parent, counselor, and principal need to be secured. The Parent Release Program is governed by the DROP/ADD procedure and the SCHEDULE CHANGE PROCEDURE. Parent Release can only be secured at the beginning of the year and at semester time.

UTAH MILITARY ACADEMY ATHLETIC ELIGIBILITY

Utah High School Activities Association (UHSA) eligibility requires student-athletes to maintain a minimum 2.0 GPA, pass all but one subject during the preceding grading period, and satisfy strict residency, age, and transfer regulations.

Key requirements to participate in sports and activities include:

1. **Academics** Minimum GPA: You must maintain a minimum 2.0 unweighted GPA (on a 4.0 scale) in the preceding grading period.
2. **Class Requirements:** You must pass at least all but one of your subjects. A maximum of one "F" or "I" (Incomplete) is allowed.
3. **Deficiencies:** If you fall below these standards, you are generally ineligible for the entire following grading period/semester.

Residency & Transfers **Boundary Rule:** Students are generally eligible to participate only at the high school within the established boundary where their custodial parents/legal guardians reside.



Transfer Rule: If you transfer high schools, you will lose eligibility to participate in UHSAA activities for 12 months from your first day of attendance, unless a hardship “Waiver of Ineligibility” is approved by the UHSAA.

Age & Participation Age Limit: Athletes remain eligible until they turn 19. If turning 19 before September 1, you are ineligible for that entire school year.

Four-Year Rule: You have four consecutive years of potential eligibility starting from when you first enter the 9th grade. You are also limited to four seasons of competition per sport.

Full-Time Status: You must be enrolled as a full-time student (enrolled in at least half of the periods offered) at a UHSAA member high school.

Limited Team Membership: After the official start date of a high school sport, you are generally prohibited from playing on outside teams in the same sport.

NCAA ELIGIBILITY

Divisions I and II Initial-Eligibility Requirements

To compete in NCAA Division I or II, prospective student-athletes must graduate high school and register with the NCAA Eligibility Center to receive academic and amateurism certification. Both divisions require 16 approved core courses, but differ slightly in GPA requirements and course timing.

Core Course Requirements: Both divisions require 16 core courses in high school, distributed as follows:

English: 4 years (DI) 3 years (DII)

Math (Algebra I or higher): 3 years (DI) | 2 years (DII)

Science (including 1 year of lab): 2 years (DI) | 2 years (DII)

Social Science: 2 years (DI) | 2 years (DII)

Additional Courses (English, Math, or Science): 1 year (DI) | 3 years (DII)

Electives: 4 years (DI) | 4 years (DII) (e.g., Foreign Language, Comparative Religion, or Philosophy)

Academic Minimums: (GPA & Testing)

Division I: Requires a minimum core-course GPA of 2.30 in the 16 required courses.

Division II: Requires a minimum core-course GPA of 2.20.

Standardized Tests: The NCAA does not require standardized ACT or SAT scores to meet initial-eligibility requirements. However, individual colleges and universities may still require them for general admission or academic scholarships.

Division I Core Course Timeline: (The 10/7 Rule) If you are planning to compete at the Division I level, strict rules govern your course pacing. You must complete 10 of your 16 core courses before the start of your seventh semester (the beginning of your senior year). Seven of these 10 courses must be in English, math, or natural/physical science. Grades achieved in these 10 courses are “locked in” and cannot be repeated or replaced once senior year begins.



Amateurism Certification: In addition to academic benchmarks, all athletes must answer a questionnaire regarding their sports history to receive amateur status. The NCAA Eligibility Center evaluates your history to ensure you haven't accepted payment, signed with agents, or received unauthorized financial benefits.

Test Scores

- **Division I** uses a sliding scale to match test scores and core grade-point averages (GPA).
- **Division II** requires a minimum SAT score of 820 or an ACT sum score of 68.
- The SAT score used for NCAA purposes includes **only** the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a **sum** of the following four sections: English, mathematics, reading, and science.
- **When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on transcripts will not be used.**

Grade-Point Average

• **Be sure** to look at your high school's List of NCAA Courses on the NCAA Eligibility Center's website (www.eligibilitycenter.org). Only courses that appear on your school's List of NCAA Courses will be used in the calculation of the core GPA. Use the list as a guide.

• **Division I** students enrolling full time **before August 1, 2016**, should use Sliding Scale A to determine eligibility to receive athletics aid, practice, and competition during the first year.

• **Division I** GPA required to receive athletics aid and practice **on or after August 1, 2016**, is a 2.000-2.299.

• **Division I** GPA required to be eligible for competition **on or after August 1, 2016**, is **2.300**.

• **The Division II** core GPA requirement is a minimum of 2.000.

• Remember, the NCAA GPA is calculated using NCAA core courses only.

DIVISION I 16 CORE COURSES

- 4 years of English
- 3 years of mathematics (Algebra 1 or higher)
- 2 years of natural/physical science (1 year of lab if offered by high school)
- 1 year of additional English, mathematics, or natural/physical science
- 2 years of social science
- 4 years of additional courses (from any area above, foreign language, or comparative religion/philosophy)

DIVISION II 16 CORE COURSES

- 3 years of English
- 2 years of mathematics (Algebra 1 or higher)
- 2 years of natural/physical science (1 year of lab if offered by high school)
- 3 years of additional English, mathematics, or natural/physical science.
- 2 years of social science
- 4 years of additional courses (from any area above, foreign language, or comparative religion/philosophy)



The Utah Military Academy is committed to helping cadets prepare for success after high school by providing access to a wide range of college and career readiness opportunities. Through partnerships with local colleges and technical education institutions, cadets can earn college credit, explore career pathways, and gain valuable hands-on experience while still in high school.

TECHNICAL COLLEGE OPPORTUNITIES

Cadets also have access to high-quality technical education and workforce training programs through partnerships with Ogden-Weber Technical College and Davis Technical College.

These institutions provide career and technical education programs designed to prepare cadets for high-demand, high-skill careers. Many programs offer industry certifications, hands-on learning experiences, and direct pathways into the workforce or advanced education.

Program areas may include:

- Health Sciences
- Information Technology
- Automotive and Transportation
- Construction and Manufacturing
- Culinary Arts
- Cosmetology and Barbering
- Business and Office Administration
- Welding and Skilled Trades

Through these partnerships, cadets may have opportunities to:

- Participate in career exploration and technical training
- Earn industry-recognized certifications
- Gain practical, real-world experience
- Prepare for immediate employment after graduation
- Continue advanced technical or college education

Participation requirements, transportation options, scheduling, and program availability may vary by program and grade level. Cadets and families are encouraged to meet with school counselors and career and technical education (CTE) coordinators for additional information about available pathways and enrollment procedures.

Ogden-Weber Technical College (OTECH)

Ogden-Weber Technical College provides high school students with hands-on technical training while they complete high school. Eligible students may participate tuition-free in programs that lead to industry certifications and workforce-ready skills in areas such as healthcare, business, construction, manufacturing, and service professions. OTECH programs offer flexible scheduling and real-world learning experiences that prepare students for employment or continued education.



Davis Technical College (Davis Tech)

Davis Technical College offers high school students opportunities to begin career training and earn college credit through tuition-free technical education programs. Students can explore pathways in healthcare, information technology, business, manufacturing, transportation, construction, and other skilled trades while gaining hands-on experience and industry-recognized credentials that support future employment and postsecondary education.

COLLEGE CONCURRENT ENROLLMENT

COLLEGE CONCURRENT ENROLLMENT OPPORTUNITIES

Concurrent Enrollment allows eligible cadets to earn both high school and college credit at the same time through courses taught at the high school or through partner colleges. These courses provide cadets with an affordable and accessible way to begin their college education early while developing the academic skills needed for postsecondary success.

Weber State University serves as the school's primary Concurrent Enrollment partner for most courses, offering students access to a wide variety of transferable college credits and academic pathways. In addition, *Salt Lake Community College* partners with the school to provide Concurrent Enrollment opportunities connected to the Airframe program, allowing students to gain specialized industry training and college credit in aviation-related coursework.

Through Concurrent Enrollment, students can take classes that fulfill high school graduation requirements while also earning transferable college credit. Courses may include general education requirements, career-focused electives, and pathway-specific classes designed to support students' academic and career goals.

Benefits of Concurrent Enrollment include:

- Earning transferable college credits while in high school
- Reducing future college tuition costs and time to degree completion
- Experiencing college-level coursework in a supportive environment
- Exploring academic interests and career pathways
- Strengthening college and scholarship applications

Concurrent Enrollment offerings may include general education courses, career-focused electives, and pathway-specific classes aligned with student goals.

Cadets are encouraged to work closely with school counselors to develop an academic plan that aligns with graduation requirements and postsecondary aspirations.



HIGH SCHOOL COURSE OFFERINGS AND DESCRIPTIONS

ART

DRAWING 1 Foundation	SEMESTER Recommended for grades 9-12	CREDIT 0.5 Fee:
Drawing 1 is a basic course that introduces a wide variety of media and techniques. Included in the course are topics in design and composition in areas such as drawing, cartooning, and work in the sketchbook. Students will be encouraged to work creatively and to become competent in the use of different materials and basic processes. This course enables the student to meet all the State Academic Standards for Visual Arts.		
DRAWING 2 Advanced	SEMESTER Recommended for grades 9-12	CREDIT 0.5 Fee:
Drawing 2 is a more advanced study of drawing and drawing techniques. There are no prerequisites; however, Drawing is recommended. Students work in an expanded range of two-dimensional media. There will be concentration in areas of more advanced drawing, graphic design, and printmaking, as well as work in the artist's own personal sketchbook. This course enables the student to meet all the State Academic Standards for Visual Arts.		
WATER COLOR (PAINTING I) Advanced	SEMESTER Recommended for grades 9-12	CREDIT 0.5 Fee:
All levels of artistic ability and experience are welcome in this semester course. In Senior High Painting and Color Concepts, students will learn to utilize watercolor, and mixed media. Students will learn techniques for painting from direct observation as well as from your imagination and develop your ability to express your ideas visually with a variety of creative strategies. Learning to use color, light, and other visual elements will enable students to compose well-designed paintings and artworks while exploring the effects of color. Types of art making that will be explored include: portraiture, still life, perspective, and conceptual inspiration. Individual and group discussions of your artwork will help to take work to the next level. This course enables the student to meet all the State Academic Standards for Visual Arts.		
TEMPERA/ACRYLIC (PAINTING 2) Advanced - Prerequisite: Drawing 1	SEMESTER Recommended for grades 9-12	CREDIT 0.5 Fee:
As a production oriented class, Cadets will have a chance to explore a few painting mediums, such as watercolor and acrylic. Cadets will use a variety of techniques to explore realistic and abstract applications of these mediums. Grades will be based on participation, production and work ethic.		
SCULPTURE Advanced	SEMESTER Recommended for grades 9-12	CREDIT 0.5 Fee:
This class will provide students with the opportunity to creatively express their thoughts and ideas in a three-dimensional form. Students will explore the processes of mold-making, casting, head modeling, reductive carving, and assemblage while utilizing a variety of materials including clay, plaster, wood, and found objects. Emphasis will be placed on handling the materials, craftsmanship, and creative solutions to assigned projects. No previous experience is necessary. This course enables the student to meet all the State Academic Standards for Visual Arts.		
PORTRAIT AND FIGURE DRAWING Advanced-Prerequisite: Drawing 1&2 OR teacher approval	SEMESTER Recommended for grades 9-12	CREDIT 0.5 Fee:
Portrait/figure will give students a deeper understanding of the human figure, and allow them to learn the art of measuring more accurately. Drawing 1 and 2 is recommended before taking this course. Students will learn to draw and paint different human figures, from realism to contemporary to abstract expression. Knowledge of contouring the body and the face will be a primary attribute of this class as well as a surface level overview of the human anatomy.		
CE ART 1010 Advanced	SEMESTER Recommended for grades 9-12	CREDIT 0.5 Fee:
Introduction to all forms of visual art covering processes (such as demonstration of the lost-wax process of metal casting), language, responses (oral and written assignments that utilize art-related terminology), issues (such as patronage, feminism or orientalism), and ways of seeing and understanding works of art. A general education course for the non-art major. Requires enrollment in Weber State University Concurrent Enrollment program.		



STUDIO ART	YEAR	CREDIT 1.0
Advanced	Recommended for grades 10-12	Fee:

Studio Art is designed to meet the demands of the AP Studio Art Syllabus published by The College Board. Near the end of the course, students will be prepared with a completed portfolio of work that meets the criteria of AP Studio Art for the Drawing Portfolio and/or 2D Design Portfolio. Students will work with a variety of media, as well as personally selected media while preparing to complete a sequential portfolio of artwork. Typically, the work developed of Studio Art portfolios will also double as college-entry portfolio application requirements. Students express their ideas and understanding of their artwork in a written commentary that accompanies their body of work. Scheduled critique sessions provide guidance and an opportunity to clarify and express ideas. Art journals or sketchbooks will be used on a regular basis for the development of a personal artistic vision. Students will be challenged to use independent thinking skills in the development of concepts in which they have a compelling interest.

BAND

BAND 1 BEGINNING BAND	YEAR	CREDIT 1.0
Foundation	Recommended for grades 7-12	Fee:

Provides opportunities for Cadets to develop their musical potential and aesthetic understanding through learning to play a woodwind, brass, or percussion instrument in a large ensemble band setting.

BAND 2 INTERMEDIATE BAND	YEAR	CREDIT 1.0
Advanced-Prerequisite: Band 1 or Audition	Recommended for grades 9-12	Fee:

Further develops and refines core concepts and fundamentals introduced in Beginning Band. Cadets participate in a large ensemble band.

BAND 3 ADVANCED BAND	YEAR	CREDIT 1.0
Advanced-Prerequisite: Audition	Recommended for grades 9-12	Fee:

Provides opportunities to foster and refine musical expression through instrumental performance, analytical/evaluative skills, and aesthetic judgment. Cadets participate in a large ensemble band.

BAND 3 JAZZ BAND	YEAR	CREDIT 1.0
Advanced-Prerequisite: Audition	Recommended for grades 9-12	Fee:

Provides opportunities to foster and refine musical expression through instrumental performance, analytical/evaluative skills, and aesthetic judgment. Cadets participate in a small ensemble band.

BEGINNING STRINGS	YEAR	CREDIT 1.0
Foundation	Recommended for grades 9-12	Fee:

For string players (violin, viola, cello, and bass).

ORCHESTRA	YEAR	CREDIT 1.0
Foundation	Recommended for grades 9-12	Fee:

For string players (violin, viola, cello, and bass).

PERCUSSION ENSEMBLE	YEAR	CREDIT 0.5
Foundation-Prerequisite: Audition	Recommended for grades 9-12	Fee:

Percussion ensemble covers Marching & Concert Percussion literature. This is a performance group.

CHOIR

CHOIR 2 INTERMEDIATE CHOIR	YEAR	CREDIT 1.0
Foundation-Prerequisite: Choir 1 equivalent or Audition	Recommended for grades 9-12	Fee:

Provides opportunities for Cadets to develop their musical potential and aesthetic understanding through singing in a choral ensemble.

CHOIR 3 CHAMBER CHOIR	YEAR	CREDIT 1.0
Foundation-Prerequisite: Audition	Recommended for grades 9-12	Fee:

Provides opportunities for Cadets to develop their musical potential and aesthetic understanding through singing in a choral mixed ensemble.

MUSIC AESTHETICS	SEMESTER	CREDIT 0.5
Foundation	Recommended for grades 9-12	Fee:

Provides opportunities for Cadets to develop their musical potential and aesthetic understanding through listening to and interacting with music.



CAREER TECHNICAL EDUCATION-AEROSPACE TECHNOLOGY

BASIC AIRFRAME

SEMESTER

CREDIT 0.5

Elective

Recommended for grades 11-12

Fee:

Program 1 of 2. A program with a sequence of courses that prepares individuals to inspect, repair, service, and rebuild all airplane parts, including engines, propellers, instruments, airframes, fuel and oil tanks, control cables, and hydraulic units. These courses are designed to meet Federal Aviation Administration (FAA) requirements for licensing as an airframe and powerplant mechanic. *No Prerequisite required.

GENERAL AIRCRAFT (AIRFRAME 2)

YEAR

CREDIT 0.5

Elective

Recommended for grades 9-12

Fee:

Program 2 of 2. Theory and practical application of maintenance forms & records, publications, fluid lines & fittings, mechanic privileges & limitations, cleaning & corrosion control, weight & balance and aircraft drawing. Designed to provide students with training in basic mathematical applications to provide math skills necessary to solve job related problems. Review of basic math, algebra and geometry. Prerequisites: Basic Air Frame or Successful completion of 8th grade math "C" or better, Pass the entry math test at 70% or better, and Ability to read a ruler.

CAREER TECHNICAL EDUCATION-BUSINESS FOUNDATIONS

ENTREPRENEURSHIP

SEMESTER

CREDIT 0.5

Elective

Recommended for grades 9-12

Fee:

Students will gain an understanding of the marketing and management principles necessary to start and operate their own business. They will develop an awareness of the opportunities for small business ownership and develop the planning skills needed to open a small business. Students will become aware of the traits and characteristics of successful entrepreneurs.

Students will gain an awareness of knowledge needed in research, planning and regulations affecting the small business and the means of financing a small business. They will understand the specific strategies of business management and marketing and the economic role of the entrepreneur in the market system. Entrepreneurship is designed for students enrolled in business and marketing education, and/or other courses, who have an interest in developing the skills, attitudes, and knowledge necessary for successful entrepreneurs.

MARKETING 1

SEMESTER

CREDIT 0.5

Elective

Recommended for grades 9-12

Fee:

Marketing 1 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.

BUSINESS MANAGEMENT

SEMESTER

CREDIT 0.5

Elective

Recommended for grades 9-12

Fee:

This course seeks to develop sound management concepts within students, as management plays a role in any future employment opportunity. Students are able to analyze, synthesize, and evaluate data from the other functional areas of business (e.g., marketing, finance, and production/operation). Effective management requires decision-making abilities, long-range planning knowledge, human relations expertise, and motivational skills. Students learn the four basic functions of management: planning, organizing, leading, and controlling.

BUSINESS OFFICE SPECIALIST

SEMESTER

CREDIT 0.5

Elective

Recommended for grades 9-12

Fee:

This course applies advanced concepts and principles using word processing, spreadsheets, databases, and electronic presentation software. Students may have the opportunity to obtain a Microsoft Office Specialist industry certificate through Microsoft and Certiport per district discretion. The certification is recognized worldwide as the best method for employers to validate computer skill proficiency. Students will integrate applications learned. This course builds on skills included in Digital Literacy.



CAREER TECHNICAL EDUCATION-COMPUTER SCIENCE

EXPLORING COMPUTER SCIENCE Foundation	SEMESTER Recommended for grades 9-12	CREDIT 0.5 Fee:
This course is eligible for Concurrent Enrollment Credit. Exploring Computer Science is designed to introduce students to the breadth of the field of computer science through an exploration of engaging and accessible topics. The course focuses on algorithms, problem solving, programming, web development, physical computing, and artificial intelligence. If Concurrent Enrollment Credit is sought, enrollment in Weber State University Concurrent Enrollment program is required.		
GAME DEVELOPMENT 1 Elective-Prerequisite: Exploring Computer Science Suggested	SEMESTER Recommended for grades 9-12	CREDIT 0.5 Fee:
This course is eligible for Concurrent Enrollment Credit. This course is designed to provide students with knowledge and project-based experience of fundamental gaming development concepts relating to STEM. These concepts include game design, scripting, creation of digital assets, graphic resources, animations, understanding hardware, problem solving, critical thinking, collaboration, and project management. If Concurrent Enrollment Credit is sought, enrollment in Weber State University Concurrent Enrollment program is required.		
GAME DEVELOPMENT 2 (INDEPENDENT STUDY) Elective-Prerequisite: Game Development 1 and Computer Programming 1	SEMESTER Recommended for grades 9-12	CREDIT 0.5 Fee:
This course expands on the theory explored in Game Development 1 and applies that theory to practical projects. Students will develop both two-dimensional and three-dimensional games in this course.		
COMPUTER PROGRAMMING 1 Foundation-Prerequisite: Exploring Computer Science Suggested	SEMESTER Recommended for grades 9-12	CREDIT 0.5 Fee:
This course is eligible for Concurrent Enrollment Credit. An introductory course in program engineering and applications. The course introduces students to the fundamentals of computer programming. Students will learn to design, code, and test their own programs while applying mathematical concepts. This course teaches the Python programming language. If Concurrent Enrollment Credit is sought, enrollment in Weber State University Concurrent Enrollment program is required.		
COMPUTER PROGRAMMING 2 (INDEPENDENT STUDY) Elective-Prerequisite: Computer Programming 1	SEMESTER Recommended for grades 9-12	CREDIT 0.5 Fee:
This course introduces students to more advanced programming concepts. Students will learn to create more powerful programs within the Python programming language.		
INTRODUCTION TO INFORMATION TECHNOLOGY (INDEPENDENT STUDY) Elective-Prerequisite: Exploring Computer Science Suggested	SEMESTER Recommended for grades 9-12	CREDIT 0.5 Fee:
The Intro to IT course is for students interested in pursuing a career in the field of Information Technology. Students will complete assignments and projects in IT careers, digital media, hardware, operating systems, communications, networks, software development, databases, and new and emerging technologies.		
WEB DEVELOPMENT 1 (INDEPENDENT STUDY) Foundation-Prerequisite: Exploring Computer Science Suggested	SEMESTER Recommended for grades 9-12	CREDIT 0.5 Fee:
Web Development 1 is a course designed to guide students in a project-based environment in the development of up-to-date concepts and skills that are used in the development of today's websites. Students will learn and use the basic building blocks of the World Wide Web: HTML5 and CSS.		
WEB DEVELOPMENT 2 (INDEPENDENT STUDY) Elective-Prerequisite: Web Development 1	SEMESTER Recommended for grades 9-12	CREDIT 0.5 Fee:
Web Development 2 expands on the concepts learned in Web Development 1. Students will learn and use the basic building blocks of the World Wide Web: HTML5, CSS, and JavaScript.		
DIGITAL MEDIA 1 (INDEPENDENT STUDY) Elective-Prerequisite: Exploring Computer Science Suggested	SEMESTER Recommended for grades 9-12	CREDIT 0.5 Fee:
Digital Media is the process of analyzing, designing, and developing interactive media. Students will learn digital media applications using elements of text, graphics, and digital imaging for various formats. This course teaches students how to use Adobe Photoshop and Adobe Illustrator. Fine Art credit may be available.		
COMPUTER SYSTEMS 1 and 2 (INDEPENDENT STUDY) Elective-Prerequisite: Intro to Information Technology	YEAR Recommended for grades 9-12	CREDIT 1.0 Fee:
This is a professional certification course. Students will learn necessary competencies for an entry-level IT professional including installing, building, upgrading, repairing, configuring, troubleshooting, optimizing, diagnosing, and performing preventive maintenance of basic personal computer hardware. You will take a professional certification exam at the end of the year.		



AI CLASS	SEMESTER	CREDIT 0.5
Elective	Recommended for grades 9-12	Fee:
High school students explore the world of artificial intelligence through hands-on projects, learning how AI is transforming industries like healthcare, entertainment, and transportation. They gain practical skills in machine learning, data analysis, and ethical considerations in AI development.		

CAREER TECHNICAL EDUCATION-ENGINEERING

ENGINEERING PRINCIPLES I	SEMESTER	CREDIT 0.5
Foundation	Recommended for grades 9-12	Fee:
Find out about the different types engineers and how they solve problems. Learn to apply math and science to real world problems. Introduction to basic hand tools and test equipment used by engineers. Hands-on projects and demonstrations highlighting the engineering problem solving process. *No Prerequisite required.		
ENGINEERING PRINCIPLES II	SEMESTER	CREDIT 0.5
Advanced-Prerequisite: Engineering Principles I	Recommended for grades 9-12	Fee:
Continue learning to think and work like an engineer. Learn the engineering design process through hands-on exploration. Learn concepts such as forces, torques, vectors, free-body diagrams, and static structure analysis and design.		
ROBOTICS I	SEMESTER	CREDIT 0.5
Foundation	Recommended for grades 9-12	Fee:
This introduction to robotics course takes a hands-on approach to learning. Each student has the opportunity to assemble and program a small robot. Python is the programming language. *No Prerequisite required.		
ROBOTICS II	SEMESTER	CREDIT 0.5
Advanced-Prerequisite: Robotics I	Recommended for grades 9-12	Fee:
This advanced robotics class gives students an opportunity to design and build their own programmable robot. They will refine the skills they learned in Robotics 1.		
3D PRINT TECHNOLOGY	SEMESTER	CREDIT 0.5
Elective-Prerequisite: Mechanical Design Engineering I/Instructor approval.	Recommended for grades 9-12	Fee:
With a 3D printer, you can print whatever you imagine - if you know how to speak its language. If you have your own 3D printer, you will learn how to use and maintain it, but having a printer isn't required. You can use the class printer! You will learn about various 3D printing methods and will explore real-world applications and implications of 3D printing.		
MECHANICAL DESIGN ENGINEERING I	SEMESTER	CREDIT 0.5
Elective	Recommended for grades 9-12	Fee:
This is the gateway to taking what is in your head and giving it life in drawings and 3D prints. We introduce you to the world of engineering, design, and technical drawing through hands-on projects and real-world problem solving. You will create professional sketches, scale drawings, 3D models, and fully dimensioned technical documents using a combination of paper and industry-standard CAD software. Some of your models may be printed on our 3D printer. You will build skills needed for future studies and careers in engineering, manufacturing, and design.		
MECHANICAL DESIGN ENGINEERING II	SEMESTER	CREDIT 0.5
Advanced-Prerequisite: Mechanical Design Engineering I	Recommended for grades 9-12	Fee:
Take your design skills to the next level with advanced technical drawing and 3D modeling. Nearly every product development, video game, and movie makes extensive use of 3D modelling. You will use professional CAD software to create detailed 3D parts and drawings while learning precision measurement and drafting standards. You will design, analyze, and communicate components similar to those used in real engineering, and artistic environments.		
MECHANICAL DESIGN ENGINEERING III	SEMESTER	CREDIT 0.5
Advanced-Prerequisite: Mechanical Design Engineering II	Recommended for grades 9-12	Fee:
Bring together everything you have learned to create complete engineering designs and professional documentation. You will develop assemblies of parts and production-ready models while learning advanced topics such as fasteners and 3D printing. You will build a professional portfolio and résumé while designing and prototyping original parts and assemblies.		
ELECTRONICS I: INTRODUCTION TO ELECTRONICS	SEMESTER	CREDIT 0.5
Foundation	Recommended for grades 9-12	Fee:
You will learn the fundamentals of electricity while building and testing circuits, reading schematics, and soldering electronic		



components. Along the way, you will explore how electronics power modern technology and develop practical skills used in engineering, manufacturing, and technical careers. This course builds a strong foundation in electrical theory, series and parallel circuits, and safe lab practices.

ELECTRONICS II: DIGITAL ELECTRONICS

SEMESTER

CREDIT 0.5

Advanced-Prerequisite: Electronics I or Instructor Approval

Recommended for grades 9-12

Fee:

From phones to robots, if it's smart, it's digital. You will learn how digital systems work by exploring binary numbers, logic gates, Boolean logic, and combinational logic circuits. Through hands-on projects and circuit simulations, you will design and troubleshoot digital systems similar to those used in computing and automation. This course strengthens problem-solving skills while introducing the core concepts behind modern digital technology.

ELECTRONICS III: ADVANCED ELECTRONICS

SEMESTER

CREDIT 0.5

Advanced-Prerequisite: Electronics I

Recommended for grades 9-12

Fee:

AC powers the world. You will explore alternating-current (AC) circuits and advanced electronic components and study waveforms, transformers, capacitors, inductors, reactance, impedance, and resonance while building and analyzing working circuits. Through lab activities and design challenges, you will develop the skills needed to understand and troubleshoot the types of electronic systems used in industry, engineering, and advanced technology fields.

ENGINEERING CAPSTONE

SEMESTER

CREDIT 0.5

Elective-Prerequisite: Engineering I and II

Recommended for grades 11-12

Fee:

This is the culminating course for college bound engineering students. It's an opportunity to experience real world engineering problem solving. The final project will be an engineering project based on a proposal prepared by the student and approved by the instructor. Successful completion of this course will prepare the student to start an engineering curriculum at the collegiate level.

CAREER TECHNICAL EDUCATION-HEALTH SCIENCES

MEDICAL TERMINOLOGY

SEMESTER

CREDIT 0.5

Elective

Recommended for grades 11-12

Fee:

Using a systems-approach, students study, analyze and interpret root words, prefixes and suffixes with emphasis on spelling, pronunciation, definition and use of medical terms. As part of the learning process, students are exposed to basic anatomy, physiology, pathology of disease, and clinical procedures. This course provides students with the building blocks of basic medical language. Such understanding will facilitate learning of scientific and medical principles encountered during more advanced career preparation.

INTRODUCTION TO HEALTH SCIENCES

SEMESTER

CREDIT 0.5

Elective

Recommended for grades 11-12

Fee:

This semester course is designed to create an awareness of career possibilities in health care and inform students of the educational options available for health science and health technology programs. Instruction includes beginning anatomy and physiology, medical terminology, medical ethics, diseases, and disorders. The course prepares students for the Medical Anatomy/Physiology course and/or for a variety of health technology programs.

CAREER TECHNICAL EDUCATION-LAW ENFORCEMENT

LAW ENFORCEMENT

SEMESTER

CREDIT 0.5

Elective-Prerequisite: None

Recommended for grades 10-12

Fee:

A course that prepares individuals to perform the duties of police and public security officers, including patrol and investigative activities, traffic control, crowd control, public relations, witness interviewing, evidence collection and management, court procedures and the law in general. Basic crime prevention methods, weapon and equipment operation, equipment maintenance, and other routine law enforcement responsibilities are also included.

CAREER TECHNICAL EDUCATION-REQUIRED COURSE FOR GRADUATION

GENERAL FINANCIAL LITERACY

SEMESTER

CREDIT 0.5

Foundation

Recommended for grades 11-12

Fee:

0.5 units of credit is required for graduation. Designed to prepare Cadets for the choices and challenges of today's financial markets and develop a better understanding of personal finance. Topics include income, money management, spending and credit, saving and investing, consumer protection, and risk management.



ENGLISH/LANGUAGE ARTS

LANGUAGE ARTS 9	YEAR	CREDIT 1.0
Foundation	Recommended for grades 9	Fee:
A grade-level appropriate exploration of reading, writing, and inquiry. Instruction and coursework will be designed as preparation for UTAH RISE assessments and career and college readiness skills related to language arts.		
LANGUAGE ARTS 10	YEAR	CREDIT 1.0
Foundation	Recommended for grades 10	Fee:
A grade-level appropriate exploration of reading, writing, and inquiry. Instruction and coursework will be designed as preparation for UTAH RISE assessments and career and college readiness skills related to language arts.		
LANGUAGE ARTS 11	YEAR	CREDIT 1.0
Foundation	Recommended for grades 11	Fee:
A grade-level appropriate exploration of reading, writing, and inquiry. Instruction and coursework will be designed as preparation for the UTAH American College Test (ACT) and career and college readiness skills related to language arts.		
LANGUAGE ARTS 12	YEAR	CREDIT 1.0
Foundation	Recommended for grades 12	Fee:
A grade-level appropriate exploration of reading, writing, and inquiry. Instruction and coursework will be designed as preparation for career and college readiness skills related to language arts.		
CE ENGLISH 1010	YEAR	CREDIT 1.0
Advanced-Prerequisite: 17 or higher on ACT English/Reading	Recommended for grades 11-12	Fee:
Students will learn practices of successful academic writing. Students will focus on the writing process, writing for specific audiences, collaboration with peers, and on the interrelationship between reading and writing. Students must complete ENGL 1010 satisfactorily (a grade of "C" or better) before enrolling in ENGL 2010 or ENGL 2015. Requires enrollment in Weber State University Concurrent Enrollment program.		
CE ENGLISH 2015	YEAR	CREDIT 1.0
Advanced-Prerequisite: 17 or higher on ACT English/Reading	Recommended for grades 11-12	Fee:
English 2015 builds upon the habits and skills developed in English 1010 by providing instruction on the research process and in how to use the sources found through research in argumentative writing. It emphasizes critical thinking, the reciprocity of research and writing, and the production of well-developed, well-documented analytical arguments. It prepares students to join conversations on important topics as informed and responsible participants so that they may contribute meaningfully. By the end of the course, students will be able to identify, access, evaluate, and ethically use and manage information resources to write clear, coherent, thesis-driven arguments that are carefully edited. They will be able to understand sources in relation to ongoing conversations and enter into dialogue with them in their essays. Furthermore, students will be able to adapt their writing and information literacy skills to a variety of situations inside and outside the university for academic success and lifelong learning. Completion of this course meets the WSU Information Literacy requirement and the General Education writing requirement. Requires enrollment in Weber State University Concurrent Enrollment program.		
BEGINNING SPEECH AND DEBATE	SEMESTER	CREDIT 0.5
Elective	Recommended for grades 9-12	Fee:
A semester course that teaches the skills and strategies of good public speaking. Cadets will be learning the values of good argumentation and skillful debate practices. This class will also help students to hone skills in the fundamentals of effective verbal delivery, including body control, use of voice and diction, and analysis of audience. Instruction stresses organization, selection, and arrangement of material and use of transitions and rhetorical effects in making speeches to inform, persuade, or entertain. Supporting material, methods of research, critical thinking, logical argumentation, and effective language are applied in learning discussion and debate techniques.		
COMPETITIVE TEAM SPEECH AND DEBATE	YEAR	CREDIT 1.0
Advanced	Recommended for grades 9-12	Fee:
A year long course of the English Department offers instruction, practice, and preparation for the Competition Debate Team. Students in this class are members of the Debate Team and will be responsible to pay the Debate fees. This class will also help students to hone skills in the fundamentals of effective verbal delivery, including body control, use of voice and diction, and analysis of audience. Instruction stresses organization, selection, and arrangement of material and use of transitions and rhetorical effects in making speeches to inform, persuade, or entertain. Supporting material, methods of research, critical thinking, logical argumentation, and effective language are applied in learning discussion and debate techniques. This is a competition class; therefore, cadets are required to compete. This course may be used for Language Arts 12 credit.		



CREATIVE WRITING 1 Applied Teaches the skills and strategies necessary to write creatively. Creative writing enhances writing skills and teaches how to write myriad of literary genres: memoir, poetry, science fiction, fairy tales, horror, young adult fiction, writing using different points of view, etc. This course may be used for Language Arts 12 credit.	SEMESTER Recommended for grades 9-12	CREDIT 0.5 Fee:
AP LANGUAGE AND COMPOSITION Advanced Advanced Placement English Language and Composition is a college-level course. The goal and purpose of the AP Language Composition course is to read, write, speak, and think effectively at a college level and beyond. Students taking this course will be engaged in writing for a variety of purposes. Both reading and writing should make students aware of the interactions among writing's purposes, audiences' expectations, and subjects, as well as the way genre conventions and the resource of language contribute to effectiveness in writing. This course is organized and planned according to the requirements and guidelines of the current AP Language and Composition Course Description and Sample Syllabus. Can be used for 11th or 12th grade English credit.	YEAR Recommended for grades 11-12	CREDIT 1.0 Fee:
CREATIVE WRITING 2 (POETRY) Applied/Advanced Teaches the skills and strategies necessary to write creatively through Poetry. This class requires students to read and analyze poetry, as well as write new poetry daily. This course may be used for Language Arts 12 credit.	SEMESTER Recommended for grades 11-12	CREDIT 0.5 Fee:
ENGLISH LANGUAGE LEARNERS Foundation This course teaches Cadets the basic structures and vocabulary of English, to advance their reading, speaking, and pronunciation skills in preparation for the WIDA assessment required by the state. Does not count as an English credit toward graduation.	YEAR Recommended for grades 9-12	CREDIT 1.0 Fee:
YEARBOOK Applied/Advanced A course in which cadets will produce a yearbook.	YEAR Recommended for grades 9-12	CREDIT 1.0 Fee:
JOURNALISM Applied/Advanced A course in which cadets will produce a newspaper, but also where they will learn about different aspects of journalism and produce related artifacts.	YEAR Recommended for grades 9-12	CREDIT 1.0 Fee:
WORLD MYTHOLOGY Applied/Advanced A course in which cadets will research and learn about different mythologies throughout the world. This is a project based class. Students will be working independently or in groups to research and create presentations.	SEMESTER Recommended for grades 9-12	CREDIT 0.5 Fee:
READING AND WRITING SUPPORT SKILLS Applied-Prerequisite: Instructor Approval This course is designed for students who require extra reading support. It will help students increase their reading and comprehension levels to ensure they stay on grade level. This course is further designed for students who require extra writing support. It will help students increase their writing and comprehension levels to ensure they stay on grade level. It should further act as a resource to those who need assistance in writing essays and assignments for other classes. It will help improve writing skills through vocabulary, punctuation, sentence structure, sentence quality, and understanding the writing process.	YEAR Recommended for grades 9-12	CREDIT 1.0 Fee:
STUDY SKILLS AND TEST TAKING Applied-Prerequisite: Instructor Approval This course is designed for students to work enhance their study skills and test taking skills. It is used to help students understand how create a feasible learning plan for homework. It is used to assist students in creating positive and achievable study skills. Students will learn how to properly read test questions and what to look for when answering. One goal is to help the students quell some of their test anxiety.	YEAR Recommended for grades 9-12	CREDIT 1.0 Fee:



FOREIGN LANGUAGE

SPANISH 1	YEAR	CREDIT 1.0
Foundation	Recommended for grades 9-12	Fee:
Spanish 1 is an introductory course designed to help students develop basic proficiency in listening, speaking, reading, and writing Spanish. Students learn essential grammar, sentence structure, and vocabulary for daily life, while also exploring the geography, customs, and traditions of the Spanish-speaking world		
SPANISH 2	YEAR	CREDIT 1.0
Foundation-Prerequisite: Spanish 1 or Teacher Approval	Recommended for grades 9-12	Fee:
Spanish 2 is a year-long world language course that builds upon the fundamental vocabulary and grammar learned in Spanish I. Students expand their conversational fluency, writing proficiency, and listening comprehension through real-life, practical scenarios.		
SPANISH 3	YEAR	CREDIT 1.0
Foundation-Prerequisite: Spanish 2 or Teacher Approval	Recommended for grades 9-12	Fee:
Spanish 3 is an intermediate-level course designed to elevate your language proficiency across the three modes of communication (interpersonal, interpretive, and presentational). Building on Spanish I and II, students expand their vocabulary, refine their grammatical accuracy, and explore the diverse cultures of the Spanish-speaking world.		
JAPANESE 1	YEAR	CREDIT 1.0
Foundation	Recommended for grades 9-12	Fee:
Japanese 1 introduces cadets to the fundamentals of Japanese language and culture, developing basic skills in listening, speaking, reading, and writing. Students learn everyday vocabulary and grammar, as well as the writing systems (hiragana, katakana, and introductory kanji), to communicate about familiar topics and gain cultural understanding.		

HEALTH AND PHYSICAL EDUCATION

FIT FOR LIFE	SEMESTER	CREDIT 0.5
Foundation	Recommended for grades 9-12	Fee:
Core Required class that provides comprehensive instruction in nutrition, fitness activities, and self assessment.		
LIFETIME ACTIVITIES	SEMESTER	CREDIT 0.5
Foundation	Recommended for grades 10-12	Fee:
Core course that provides instruction in up to three lifetime sports activities and physical fitness.		
PARTICIPATION SKILLS AND TECHNIQUES	SEMESTER	CREDIT 0.5
Foundation	Recommended for grades 9-12	Fee:
This semester class offers Cadets instruction in lifetime activities and fulfills one P.E. requirement for high school graduation. Individual, dual, and team sports activities are included, with the emphasis on activities offering lifelong participation.		
HEALTH EDUCATION 2	SEMESTER	CREDIT 0.5
Foundation	Recommended for grades 10-12	Fee:
This semester class offers Cadets instruction in lifetime activities and fulfills one P.E. requirement for high school graduation. Individual, dual, and team sports activities are included, with the emphasis on activities offering lifelong participation.		
STRENGTH DEVELOPMENT	SEMESTER	CREDIT 0.5
Elective	Recommended for grades 9-12	Fee:
High School class taken for elective credit only after core required P.E. classes are completed.		



JROTC PROGRAM

LE 100 SCIENCE OF FLIGHT Foundation Core JROTC Course for Grades 9 and 10.	YEAR Recommended for grades 9-10	CREDIT 1.0 Fee:
LE 300 AVIATION HISTORY Foundation Core JROTC Course for Grades 11 and 12.	YEAR Recommended for grades 9-10	CREDIT 1.0 Fee:
JROTC CADET STAFF Elective Cadet Leadership Course. Must be selected by JROTC staff to register.	YEAR Recommended for grades 11-12	CREDIT 1.0 Fee:
JROTC COMPETITIVE DRILL Elective The competitive drill class prepares Cadets to compete at local, regional, and national drill competitions. Cadets will learn basic and advanced drill sequences in order to compete. Enrollment in the competitive drill class does not ensure a cadet will compete in drill competitions. All primary and alternate positions are determined by the drill team captains and AFJROTC Cadre. This course also requires a fee and cost for competition trips.	YEAR Recommended for grades 10-12	CREDIT 1.0 Fee:
JROTC COMPETITIVE RAIDERS Elective The competitive Raiders class prepares Cadets to compete at local, regional, and national drill competitions. Cadets will learn about teamwork and practice events we will see in competitions, such as; 5k ruck run, Rope bridge, Litter carry, obstacle course, Cross country Orienteering, plus other fitness challenges that are specific to each competition. Enrollment in the competitive Raider class does not ensure a cadet will compete at Raiders competitions. All primary and alternate positions are determined by the Raiders team commanders and AFJROTC Cadre. This course also requires a fee, additional fees may be required for out of state competitions. (Not included in original fees).	YEAR Recommended for grades 9-12	CREDIT 1.0 Fee:
FIRST YEAR MARKSMANSHIP Elective This course provides structured training in safe, disciplined participation on a live indoor air rifle range. Instruction follows Civilian Marksmanship Program (CMP) standards and develops foundational skills in the three competitive positions: prone, standing, and kneeling. Emphasis is placed on safety, precision fundamentals, mental focus, and competition procedures. This is not a recreational shooting course; it is a structured development pathway for cadets preparing to advance into formal CMP competition and potential team participation.	YEAR Recommended for grades 7-12	CREDIT 1.0 Fee:
FIRST YEAR ARCHERY Elective The competitive drill class prepares Cadets to compete at local, regional, and national drill competitions. Cadets will learn basic and advanced drill sequences in order to compete. Enrollment in the competitive drill class does not ensure a cadet will compete in drill competitions. All primary and alternate positions are determined by the drill team captains and AFJROTC Cadre. This course also requires a fee and cost for competition trips.	YEAR Recommended for grades 7-12	CREDIT 1.0 Fee:
COMPETITIVE MARKSMANSHIP Elective-Prerequisite: Instructor Approval This advanced course provides structured training in safe, disciplined participation on a live indoor air rifle range while developing intermediate to advanced three-position skills (prone, standing, kneeling) under Civilian Marksmanship Program (CMP) standards. Cadets compete during class under official match conditions. Performance is evaluated throughout the course, and qualified athletes may represent the school in off-campus competitions.	YEAR Recommended for grades 9-12	CREDIT 1.0 Fee:
HS ARCHERY Elective-Prerequisite: Instructor Approval The course covers how to organize a JROTC Archery program, how to safely and properly conduct firing, and teaches basic archery skills that are the foundation for archery qualification and competition. Cadets are selected from the competitive team for this class.	YEAR Recommended for grades 9-12	CREDIT 1.0 Fee:
JROTC PILOT GROUND SCHOOL Elective The course, taught by a FAA certified Ground School Instructor, is the foundation for Cadets interested in receiving a private pilot's license. This challenging course is a college level class. The material covered is an advanced, more in depth study of aerospace topics to include; aerodynamics, weather, human physiology, FAA rules and regulations, aircraft flight procedures and maneuvers, airfield operations, navigation, and aircraft weight and balance. When the course is completed Cadets should be prepared to take and pass the Federal Aviation Administration (FAA) written examination per requirement of the Federal Aviation Regulations FAR 6105 Section 61.3.	YEAR Recommended for grades 10-12	CREDIT 1.0 Fee:



JROTC DRONE OPERATIONS**SEMESTER****CREDIT 0.5**

Elective

Recommended for grades 9-12

Fee:

The UAS / Drone Operations Course introduces Cadets to the fundamentals of unmanned aviation within the National Airspace System. The course combines classroom instruction, aviation safety training, and hands-on flight operations. Cadets will gain knowledge of FAA regulations, airspace, weather, and risk management while developing practical drone flight skills. The course prepares Cadets to pursue the FAA Part 107 Remote Pilot Certificate, which is the federal certification required for commercial drone operations.

MATHEMATICS**SECONDARY MATH 1****YEAR****CREDIT 1.0**

Foundation

Recommended for grades 9-12

Fee:

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

SECONDARY MATH 2**YEAR****CREDIT 1.0**

Foundation-Prerequisite: Secondary Math 1

Recommended for grades 9-12

Fee:

Cadets in Secondary Mathematics II will focus on quadratic expressions, equations, and functions, extend the set of rational numbers to the set of complex numbers, link probability and data through conditional probability and counting methods, study similarity and right triangle trigonometry, and study circles with their quadratic algebraic representations.

MATH 1 & 2 (ACCELERATED COMBINATION COURSE)**YEAR****CREDIT 1.0**

Foundation-Prerequisite: Instructor Approval

Recommended for grades 9-10

Fee:

This accelerated combination course is designed for highly motivated students who have demonstrated strong mathematical ability and have received approval from a member of the Math Department. The course integrates the full curriculum of Math 1 and Math 2 into a single academic year, requiring students to engage with content at an increased pace and depth.

Students will develop a strong foundation in algebraic reasoning, linear and exponential relationships, systems of equations and inequalities, quadratic functions, polynomial operations, and statistical reasoning. Emphasis is placed on problem solving, mathematical modeling, and making connections between multiple representations including graphs, tables, equations, and real-world contexts. Successful completion of this course earns credit for both Math 1 and Math 2 and prepares students for advanced high school mathematics coursework. Recommended for: Students with strong work habits, consistent academic performance, and readiness for accelerated instruction.

MATH 1 & 2 (INTEGRATED SUPPORT & CREDIT COMPLETION)**YEAR****CREDIT 1.0**

Foundation-Prerequisite: Instructor Approval

Recommended for grades 10-12

Fee:

This integrated Math 1 and Math 2 course is designed for students who struggled in Math 1 or for students who have previously taken Math 1 and/or Math 2 but still need to earn credit. The course provides structured instruction, targeted support, and multiple opportunities to strengthen foundational skills while working toward mastery of Utah State Math 1 and Math 2 Core Standards. Instruction emphasizes conceptual understanding, procedural fluency, and real-world application. Students revisit essential Math 1 concepts—such as linear relationships, equations and inequalities, and foundational function analysis—while progressing into Math 2 topics including quadratic and polynomial functions, systems of equations, and statistical reasoning. Content is intentionally scaffolded, allowing students to build confidence and address learning gaps as they move forward. Successful completion of this course earns credit for both Math 1 and Math 2, supporting students in staying on track for graduation while preparing them for future mathematics coursework.

SECONDARY MATH 3**YEAR****CREDIT 1.0**

Foundation-Prerequisite: Secondary Math 2

Recommended for grades 9-12

Fee:

Cadets in Secondary Mathematics III 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.

MATH OF PERSONAL FINANCE**YEAR****CREDIT 1.0**

Applied-Prerequisite: Secondary Math 2

Recommended for grades 11-12

Fee:

For Juniors or Seniors only. Cadets must have two years of high school math credit as a prerequisite for this course. Includes ideas, concepts, knowledge, skills that will enable Cadets to implement the mathematical skills they need to become wise consumers, savers, investors, credit users, money managers, citizens, and part of a global workforce.



AP PRECALCULUS	YEAR	CREDIT 1.0
Advanced-Prerequisite: Secondary Math 2	Recommended for grades 10-12	Fee:

The course framework for AP Precalculus includes two essential components: Mathematical Practices and Course Content. The practices are skills that students should develop and apply repeatedly with different elements of content over the course of the year. The course content is organized into four units that comprise the core pieces of knowledge and conceptual understandings of precalculus, and the units provide a suggested scope and sequence for the course, to which this syllabus is aligned. This course provides ample opportunities for students to use calculus to solve real-world problems and for students to leverage technology in their work. Students will be provided with a graphing calculator to use at school and at home.

AP CALCULUS (AB)	YEAR	CREDIT 1.0
Advanced-Prerequisite: Precalculus C or better/Instructor Approval	Recommended for grades 10-12	Fee:

Calculus AB is designed to be taught over a full high school academic year. Most of the year will be devoted to topics in differential and integral calculus. Must follow College Board guidelines. Cadets may receive college credit with a score of 3 or higher on the AP exam.

AP STATISTICS	YEAR	CREDIT 1.0
Advanced-Prerequisite: Secondary Math 2	Recommended for grades 10-12	Fee:

AP Stats is designed to be taught over a full high school academic year. Most of the year will be devoted to topics in statistical analysis. Must follow College Board guidelines. Cadets must qualify to take AP Stats by passing Math 2 with a C or above, or with teacher recommendation. Cadets may receive college credit with a score of 3 or higher on the AP exam.

MEDICAL MATH	YEAR	CREDIT 1.0
Applied-Prerequisite: Secondary Math 2	Recommended for grades 10-12	Fee:

For Juniors or Seniors only. Cadets must have two years of high school math credit as a prerequisite for this course. Medical Math is an instructional program that prepares students with skills to compute mathematical equations related to healthcare. The course integrates medical-physiological concepts and mathematics. Students will engage in math activities including problem solving, reasoning and proof, communication, connections, and representations. Students must also register for a Health Science Course.

MATH SKILLS MASTERY LEVEL 1	YEAR	CREDIT 1.0
Supplemental	Recommended for grade 9	Fee:

Math Skills Mastery Level 1 is designed for students who are currently performing two or more grade levels below proficiency in math. This supportive and focused course is taken along with Integrated Math 1 and aims to bridge the gap in essential math skills, ensuring students gain the foundational knowledge necessary for success in their high school math courses. Utilizing interactive and engaging resources such as IXL, Delta Math, and CK-12, as well as in-class instruction and small group activities, students will receive personalized instruction and practice tailored to their specific needs. Math Skills Mastery Level 1 empowers students to build confidence, improve their math abilities, and achieve academic success alongside their grade-level math course.

MATH SKILLS MASTERY LEVEL 2	YEAR	CREDIT 1.0
Supplemental	Recommended for grade 9	Fee:

Math Skills Mastery Level 2 is tailored for students who are performing one to two grade levels below proficiency in math. This course is taken along with Integrated Math 1 and provides targeted support to help students quickly catch up to grade level by reinforcing crucial math skills. Through the use of dynamic resources like IXL, Delta Math, and CK-12, as well as in-class instruction and small group activities, students will engage in customized learning experiences that address their individual needs and promote mastery of key concepts. Math Skills Mastery Level 2 fosters a positive and supportive atmosphere, ensuring students develop the confidence and competence needed to excel in their current and future math courses.

SCIENCE

EARTH AND SPACE SCIENCE	YEAR	CREDIT 1.0
Foundation	Recommended for grade 9	Fee:

The Earth science course investigates processes and mechanisms that have resulted in the formation of our Earth, galaxy, and universe. Students develop models to illustrate the life span of the Sun and the role of nuclear fusion releasing energy in the Sun's core. Students analyze and interpret data to construct an explanation for Earth's 4.6 billion year history and explore changes to Earth's systems. Students develop and use a model of Earth's interior to describe the cycling of matter by thermal convection. Students plan and carry out an investigation on the properties of water to determine its effects on Earth materials. Students use computational thinking to explain sustainable and natural resources, focusing on responsible stewardship. Additionally, students design and evaluate solutions to problems that exist in these areas.



BIOLOGY	YEAR	CREDIT 1.0
Foundation	Recommended for grade 10	Fee: \$25.00

Biology is the study of life. This course consists of four strands. It begins with a study of the interaction of organisms with their environment, ecosystems, and the flow of matter and energy within those systems. The course then proceeds to the study of the structure and function of life, beginning with cells, the molecules they are made of, how they differ, tissues, organs, and the phenomenon of homeostasis. The third strand of Biology is the study of genetic patterns, DNA and inheritance, the variation and distribution of traits, observable characteristics, phenotypes, genotypes, mutations, and the research and technology used that may improve life, or raise ethical issues. The fourth strand is the study of evolution as evidenced in the fossil record, DNA, homologous structures and embryonic development. It includes the idea of natural selection as the result of environmental factors selecting for and against different traits, as well as changes in biodiversity due to those environmental factors.

CHEMISTRY	YEAR	CREDIT 1.0
Foundation	Recommended for grade 11	Fee: \$25.00

Chemistry is the study of the physical nature of our world, the substances that physically make up the world, and how substances behave. Students in this class will investigate household chemicals, fuels, foods, plastics, polymers, atoms, radioactivity, flavors & scents, energy, batteries, electrons, acids & bases, solubility, heat, the composition of our Earth, and the composition of stars in the universe. The class also explores and questions why substances combine, change form, react, or remain stable. This class includes labs and hands-on activities. Students are assessed on projects, labs, and presentations using a proficiency-based standard. In addition to chemistry, students learn and utilize Utah's science and engineering practices and concepts. The Chemistry course is a foundational science for graduation requirements and college preparation. Students must complete one full year for foundation credit. Strong mathematics skills are recommended.

PHYSICS	YEAR	CREDIT 1.0
Foundation	Recommended for grade 12	Fee:

The physics course explores the foundational principles of physics including forces, energy, fields, and waves. Students analyze and interpret data to determine the cause and effect relationship between the net force of an object and its change in motion. Students develop and use models to illustrate that energy at all levels can be accounted for as a combination of energies associated with motion and relative positions of objects. Students use mathematics and computational thinking to support the claim that the total momentum of a system is conserved when there is no net force acting on a system. Students plan and conduct investigations to provide evidence that an electric current causes a magnetic field and that a changing magnetic field causes an electric current. Students also engage in argument to support the assertion that electromagnetic radiation can be described either by a wave or a particle model. Additionally, students design and evaluate solutions to problems that exist in these areas. Strong mathematics skills are recommended.

AP BIOLOGY	YEAR	CREDIT 1.0
Advanced Foundational Substitute	Recommended for grade 10-12	Fee: \$25.00

AP Biology is a rigorous, college level course. Students will participate in eight units of entry-level college biology, including biochemistry, cell structure & function, cellular energetics, cellular communication, genetics, genomics, natural selection & evolution, and ecology. This class includes labs, dissections, and hands-on activities. Students are assessed on projects, labs, and presentations using a proficiency-based standard. In addition to AP Biology, students learn and utilize Utah's science and engineering practices and concepts. A student will earn college credits at Utah's public universities upon scoring a 3, 4, or 5 on the AP Biology exam.

The AP Biology course is a foundational science for graduation requirements. It is generally used to substitute for Biology. Students must complete one full year for foundation credit. There are no prerequisites for this course, though it is highly recommended students complete chemistry prior to enrolling, or enroll in chemistry at the same time as AP Biology.

HUMAN ANATOMY	YEAR	CREDIT 0.5/1.0
Applied	Recommended for grade 11-12	Fee: \$25.00

Human Anatomy is the study of the structure and function of the human body. The class focuses on the physical structures and parts of the human body, as well as how those parts function. Throughout the year, students will explore ten body systems, four types of body tissues, fetal development, and practical applications of anatomical knowledge. This class includes labs, dissections of organs, and hands-on activities. Students are assessed on projects, labs, and presentations using a proficiency-based standard. In addition to anatomy, students learn and utilize Utah's science and engineering practices and concepts.

The Human Anatomy course is an applied/advanced science for graduation requirements. Students may elect to complete one semester or one full year. There are no prerequisites for this course, though it is recommended students complete at least one foundational science before enrolling in Human Anatomy.

ASTRONOMY	SEMESTER	CREDIT 0.5
Applied	Recommended for grade 11-12	Fee:

The Astronomy High School course explores the patterns, forces, relationships, and systems of matter and energy found in the Universe. Students develop models and investigate patterns observed on Earth and in the night sky of phenomena that affect life on Earth. Students ask questions and model objects in our solar system and design solutions to determine where and how humans could colonize off of our planet someday. Students build models and construct arguments for the life and death of stars predicting the final stage of stars based on their mass. Students develop models and explain the formation and characteristics of the Universe.



ENVIRONMENTAL SCIENCE	SEMESTER	CREDIT 0.5
Applied	Recommended for grade 11-12	Fee:

The Environmental Science High School intro course explores the energy and material resources found on Earth and how these resources are obtained, used, managed, and conserved to support sustainable societies and ecosystems. Students model and analyze data to explain the organizations, factors, cycles, and changes that determine dynamic ecosystems. Students construct arguments for the risks and benefits of using renewable and nonrenewable energy sources and design energy management plans to identify sustainable energy solutions. Students construct explanations for how humans obtain and use natural resources; why resources can be abundant, scarce, and/or scattered around the world; and design a resource management plan to identify sustainable methods of obtaining and using resources. Students create arguments and explanations for how human use of natural and energy resources have an effect on the environment and what can be done to reduce or reverse human impacts on environments.

GEOLOGY	SEMESTER	CREDIT 0.5
Applied	Recommended for grade 11-12	Fee:

This course explore matter and energy that form the rocks, minerals, and formations found in Earth. Students carry out investigations to identify and classify different minerals and rocks. Students ask questions to evaluate what can be learned from the geologic record. Students develop and use models of the Earth and its interior. Students obtain, evaluate, and communicate information to understand Earth's surface processes. Students analyze and interpret data about the interaction between humans and the Earth in an attempt to mitigate geologic hazards, minimize property damage, and preserve lives.

CE GEOLOGY	YEAR	CREDIT 1.0
Advanced	Recommended for grade 11-12	Fee: \$15.00

This course is a Concurrent Enrollment class, meaning students will earn credit at UMA and credit for GEO 1110 at Weber State University (a 3 credit physical science class that covers the physical science gen-ed requirement) at the same time. The class examines the fundamental principles of geology, emphasizing physical aspects of the Earth including earth materials, plate tectonics, and the effects of water, wind and ice on the Earth's surface. Useful for all students, and recommended as the first geology course for students with majors/minors in geosciences, science teaching, archaeology, and pre-engineering. May include a field trip to observe local geologic features. As a CE class through Weber, this class offers 3 college credits toward the physical science gen-ed requirement in college. Fees (paid to Weber) include \$15 tuition for the class (compared to \$1,100 it would cost in college).

AP ENVIRONMENTAL SCIENCE	YEAR	CREDIT 1.0
Advanced	Recommended for grade 11-12	Fee:

AP Environmental Science is an introductory college level course that could earn students up to 3 college credits (check with the college your interested in) with scores of 3, 4, or 5 on the AP Exam at the end of the year. Students cultivate their understanding of the interrelationships of the natural world through inquiry-based lab investigations and field work as they explore concepts in units related to ecosystems, biodiversity, populations, interactions between Earth's systems, the use of land and water resources, energy resources, air pollution, land and water pollution, and changes to the global system. Cadets will investigate the topics in each unit as they relate to the four Big Ideas of Environmental Science: energy transfer, interactions between earth systems, interactions between different species and the environment, and sustainability.

CE ENVIRONMENTAL GEOLOGY	SEMESTER	CREDIT 0.5
Advanced	Recommended for grade 11-12	Fee:

This course is a Concurrent Enrollment class, meaning students will earn credit at UMA and credit for GEO 1110 at Weber State University (a 3 credit physical science class that covers the physical science gen-ed requirement) at the same time. This course introduces you to the application of geologic information and processes to real world issues; and to the effects people and the physical environment have on each other. Specific topics include natural hazards, mining, natural resources, etc. This course is designed so that students who have no previous experience with the earth sciences may comprehend and understand the principles of environmental geosciences. Fees (paid to Weber) include \$15 tuition for the class (compared to \$1,100 it would cost in college).

SOCIAL STUDIES

WORLD GEOGRAPHY	SEMESTER	CREDIT 0.5
Foundation	Recommended for grades 9-12	Fee:

Core Class for 9th Grade. The course will include map skills with physical and human geography essentials, teaching students to understand the world in spatial terms, for both physical and human geography.

WORLD HISTORY	SEMESTER	CREDIT 0.5
Foundation	Recommended for grades 9-12	Fee:

Core Class for 10th Grade. It is designed as a survey class, describing the relationships that have developed over time among major regions of the world: East Asia, South Asia, Southwest Asia (Middle East), Africa, Europe, North America and Latin America.



US HISTORY 2	YEAR	CREDIT 1.0
Foundation	Recommended for grades 11-12	Fee:
Core class for 11th grade. A survey of the military, social, political, economic, cultural, and intellectual history of the United States following Reconstruction to the present. United States History II examines industrialization, immigration, world wars, the Great Depression, Cold War and post Cold War eras, and the Modern War on Terror, and Social Media Revolution in technology, leading to the Presidencies of Obama, Trump, Biden, and Trump again.		

US GOVERNMENT AND CITIZENSHIP	SEMESTER	CREDIT 0.5
Foundation	Recommended for grades 11-12	Fee:
Core class for 12th grade. This course will present the major ideas, protections, privileges, structures, and economic systems that affect the life of a citizen in the United States political system, looking at governments of the world, and then comparing them to the U.S. system. NOTE: Part of this course will be taking the U.S. Civics Exam REQUIRED for Graduation in the State of Utah.		

ECONOMICS	SEMESTER	CREDIT 0.5
Elective	Recommended for grades 9-12	Fee:
Fulfills Social Studies elective requirement. This course studies the way society chooses to use limited resources to produce goods and services for consumption, from individual consumer choices, to business ones, and the core concepts and factors in Supply and Demand. The course then ends with macroeconomic and global decisions.		

PSYCHOLOGY	SEMESTER	CREDIT 0.5
Elective	Recommended for grades 11-12	Fee:
Fulfills Social Studies elective requirement. Psychology studies the thought processes and behavior of humans and their interaction with the environment, from the biological factors, to the environmental ones, looking at what motivates humans, and how they learn, grow, and relate to each other.		

ELECTIVES

TEACHER ASSISTANT	YEAR	CREDIT 1.0
Advanced-By Permission ONLY	Recommended for grades 11-12	Fee:
Course used for Cadets serving as a Cadet aide/assistant. By permission only and NOT available to Grades 9 and 10.		

OFFICE AIDE	YEAR	CREDIT 1.0
Advanced-By Permission ONLY	Recommended for grades 11-12	Fee:
Course used for Cadets serving as a Cadet aide/assistant in the office. By permission only and NOT available to Grade 9.		

PEER TUTOR	YEAR	CREDIT 1.0
Advanced-By Permission ONLY	Recommended for grades 9-12	Fee:
Course used for cadets supporting and mentoring other cadets, especially academically.		

LATINOS IN ACTION: HIGH SCHOOL	YEAR	CREDIT 1.0
Advanced-By Permission ONLY	Recommended for grades 9-12	Fee:
Acceptance by application approval. Maintain no more than 1 F (no F is preferable) and have a minimum 2.0 GPA. No behavioral write ups or behavioral issues. This is a service based course that leverages personal capital in carrying out the planning process to completion of the planned activity by student driven and lead group interactions. Involves volunteer service hours before, after and during the school day and occasional weekends. Leaders are chosen from participants.		



JUNIOR HIGH COURSE OFFERINGS AND DESCRIPTIONS

ART

JH ART	SEMESTER	CREDIT 0.5
Foundation	Recommended for grades 7-8	Fee:

JH Art Foundations 1 is designed to provide a broad overview of some basic visual art skill using different art mediums, related materials and concepts. Foundation I should emphasize exposing students to fundamental observational drawing and shading skill.

JH WATERCOLOR	SEMESTER	CREDIT 0.5
Foundation	Recommended for grades 7-8	Fee:

This Junior High Watercolors class is designed to introduce students to the beautiful and expressive medium of watercolor painting. Throughout the course, students will explore fundamental watercolor techniques, develop their artistic skills, and express their creativity through various projects.

BAND

BEGINNING BAND 1	YEAR	CREDIT 1.0
Foundation	Recommended for grades 7-9	Fee:

Band I - MS provides opportunities for students to develop their musical potential and aesthetic understanding through learning to play a woodwind, brass, or percussion instrument in a large ensemble band setting.

BEGINNING ORCHESTRA	YEAR	CREDIT 1.0
Foundation	Recommended for grades 7-8	Fee:

Class for students who want to learn violin, viola, cello, and string bass (not guitar). For beginners or those that need a refresher course.

CHOIR

BEGINNING CHORUS 1	YEAR	CREDIT 1.0
Foundation	Recommended for grades 9-12	Fee:

Chorus I - JH provides opportunities for students to develop their musical potential and aesthetic understanding through singing in a choral mixed ensemble.

CAREER TECHNICAL EDUCATION - JUNIOR HIGH

COLLEGE AND CAREER READINESS	SEMESTER	CREDIT 0.5
Foundation	Recommended for grade 7	Fee:

A course designed to increase awareness of college and career pathways through hands-on projects and Work-Based Learning experiences such as career fairs, field studies, guest speakers, and/or job shadows. Based on interests, skills, and aptitudes, students will explore high school, postsecondary, and career opportunities to develop an individual Plan for College and Career Readiness (PCCR). Students will investigate high-skilled, in-demand and/or emerging jobs in the Utah labor market while developing essential workplace skills for future academic and career goals.

CREATIVE CODING	SEMESTER	CREDIT 0.5
Foundation	Recommended for grades 7-8	Fee:

This course teaches JH students how to design, develop, and program video games using various platforms.

DIGITAL LITERACY 1	SEMESTER	CREDIT 0.5
Foundation	Recommended for grade 8	Fee:

This course is an introduction to computer literacy. This course introduces students to the fundamental concepts and operations necessary to use computers. Emphasis is placed on basic functions and familiarity with computer use. Topics include: computer terminology, introduction to the windows environment, introduction to networking, introduction to word processing, introduction to spreadsheets, and introduction to databases. An understanding of ethics and use of operating systems, information resources, and electronic mail is included.



JH CAD	SEMESTER	CREDIT 0.5
Foundation	Recommended for grades 7-8	Fee:
This course teaches JH students how to draft floorplans and 3D models using Google SketchUp and Blender.		
JH DIGITAL GRAPHIC ARTS	SEMESTER	CREDIT 0.5
Foundation	Recommended for grades 7-8	Fee:
This course teaches JH students how to design flyers, posters, and other 2D artifacts using Adobe Photoshop.		
JH ENGINEERING PROJECTS	SEMESTER	CREDIT 0.5
Foundation	Recommended for grades 7-8	Fee:
Project-based class that introduces students to engineering with a hands-on approach. Learn about airplanes by building and testing different designs. Learn about rocketry by launching their very own water rocket. Apply math and science to solve physical mysteries.		
JH PRE-ENGINEERING	SEMESTER	CREDIT 0.5
Foundation	Recommended for grades 7-8	Fee:
This is likely a student's first introduction to the world of engineering. This class plans to answer the age old question asked by students across the globe: "When will this information I learn in school ever be used in the real world?" An introduction to how engineers use math, science, art, and physics to address the world's problems.		
JH PYTHON PROGRAMMING	SEMESTER	CREDIT 0.5
Foundation	Recommended for grades 7-8	Fee:
This course teaches JH students the basics of computer programming using the Python language.		
JH SPORTS ENTERTAINMENT MARKETING	SEMESTER	CREDIT 0.5
Foundation	Recommended for grades 7-8	Fee:
This is an introductory course that will help students gain an understanding of marketing concepts as they apply to the sports and entertainment industry. The areas this course will cover include: core marketing standards, market segmentation, target marketing, the event marketing triangle (events, fans, and sponsors), sports and entertainment promotion and marketing plans.		

ENGLISH/LANGUAGE ARTS

LANGUAGE ARTS 7	YEAR	CREDIT 1.0
Foundation	Recommended for grade 7	Fee:
Required at UMA for Grade 7 - Language Arts 7 is designed to prepare cadets with the knowledge and skills required for the next level of courses; developing and strengthening proficiencies in reading, writing, speaking, listening, language, and critical thinking. Cadets will read literature from several genres, and will use the writing process to develop various forms of writing, making connections with themselves, texts, and the world. Cadets will enhance their presentations skills both in writing and public speaking. This is a holistic course encompassing all aspects of English.		
LANGUAGE ARTS 8	YEAR	CREDIT 1.0
Foundation	Recommended for grade 8	Fee:
Required at UMA for Grade 8 - In Language Arts 8 cadets will focus on major Language Arts skills: reading, writing, speaking, listening, and language. Cadets will read a variety of classical literature, poems, short stories, and informative texts. Cadets will develop writing skills for narrative, descriptive, argumentative, informative, compare and contrast, and research. In addition to reading and writing, cadets will develop presentations and enhance the skills required for public speaking. Cadets will build on their vocabulary in writing and in speech, develop sentence structure, and maintain proper grammar usage. The overall goal of the Language Arts 8 curriculum is to prepare students with the knowledge and skills required for the next level courses. Cadets will improve critical thinking skills through the use of lateral puzzles and true to life connections.		

FOREIGN LANGUAGE

JH SPANISH	YEAR	CREDIT 1.0
Foundation	Recommended for grades 7-8	Fee:
Introducing students to Spanish language and culture.		



HEALTH AND PHYSICAL EDUCATION

JH PHYSICAL EDUCATION

SEMESTER

CREDIT 0.5

Foundation

Recommended for grades 7-8

Fee:

A middle school class that provides instruction in physical education and results in credit for core-required Intermediate Fitness, Team Sports.

JH HEALTH 1

SEMESTER

CREDIT 0.5

Foundation

Recommended for grade 8

Fee:

Introductory required core class providing opportunities for students to develop knowledge, skills and attitudes necessary for practicing lifelong, health enhancing behaviors.

JROTC PROGRAM

MILITARY AWARENESS 7

YEAR

CREDIT 1.0

Foundation

Required for grade 7

Fee:

Required at UMA for Grade 7 - A course dealing with the acquisition, internalization, and application of commonly held and time-honored principles within the military which promote optimal personal growth, establish an upright citizenry, and support the common good. Students will develop personal qualities such as self-esteem, self-discipline, integrity, honesty and responsibility. Curriculum is based off of Civil Air Patrol "Learn to Lead."

AS000 CHARACTER AND LEADERSHIP DEVELOPMENT

YEAR

CREDIT 1.0

Foundation

Required for grade 8

Fee:

Required at UMA for Grade 8 - A course dealing with the acquisition, internalization, and application of commonly held and time-honored principles within the military which promote optimal personal growth, establish an upright citizenry, and support the common good and teamwork. Students will develop personal qualities such as self-esteem, self-discipline, integrity, honesty and responsibility.

JH ARCHERY

YEAR

CREDIT 1.0

Foundation

Recommended for grades 7-8

Fee:

Designed for cadets who are on the competitive archery team with the intention of improving their skills.

JH MARKSMANSHIP

YEAR

CREDIT 1.0

Foundation

Recommended for grades 7-8

Fee:

This course provides structured training in safe, disciplined participation on a live indoor air rifle range. Instruction follows Civilian Marksmanship Program (CMP) standards and develops foundational skills in the three competitive positions: prone, standing, and kneeling. Emphasis is placed on safety, precision fundamentals, mental focus, and competition procedures.

This is not a recreational shooting course; it is a structured development pathway for cadets preparing to advance into formal CMP competition and potential team participation.

MATHEMATICS

MATH 7

YEAR

CREDIT 1.0

Foundation

Required for grade 7

Fee:

Required at UMA for Grade 7 - Math 7 focuses on four critical areas: (1) understanding and using proportional relationships including slope, unit rates, and rate of change; (2) defining and using rational numbers including fractions and decimals, including using them in expressions and linear equations; (3) solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; and (4) using statistics to draw inferences about populations based on samples.

MATH 8

YEAR

CREDIT 1.0

Foundation

Required for grade 8

Fee:

Required at UMA for Grade 8 - Math 8 continues to build on concepts learned in seventh grade and focuses on three critical areas: (1) formulating and reasoning about expressions and equations, including modeling data using linear equations, and solving linear equations and systems of linear equations; (2) defining functions and using functions to describe relationships; (3) analyzing two- and three-dimensional figures, and understanding and applying the Pythagorean Theorem.



SCIENCE

GRADE 7 SCIENCE

YEAR

CREDIT 1.0

Foundation

Required for grade 7

Fee:

Required at UMA for Grade 7 - Integrated Science 7 focuses on a theme of structure to help students understand the world around them. Five main concepts relating to structure will be covered including: (1) the structure of matter as atoms and molecules, (2) density and how it affects the structure of Earth, (3) the structure of life including cells, organs and organ systems, (4) the structure of genes and how traits are passed from parent to offspring, and (5) how structure is used to develop classification systems, particularly for living things. Seventh grade science will also provide a foundation for students to learn about the nature of science through hands-on inquiry, laboratory experiments and projects.

GRADE 8 SCIENCE

YEAR

CREDIT 1.0

Foundation

Required for grade 8

Fee:

Required at UMA for Grade 8 - 8th Grade Integrated Science will focus on changes in matter and energy, which will be studied in relation to Physics, Geology, Biology, and Chemistry. Unit 1 covers the atomic nature of matter, physical properties, chemical and physical change and how energy changes the behavior of matter. Unit 2 traces the path of energy from the sun through all the living systems of earth. Unit 3 covers the energy and matter transformations occurring inside our planet; the process of rock formation and transformation and the forces that shape our world. Unit 4 brings all these concepts together in the study of the physics of simple machines, energy movement through materials, the nature of light and EM waves. There is a \$25 course fee for 8th grade science.

JH ASTRONOMY

YEAR

CREDIT 1.0

JH Elective

Recommended for grades 7-8

Fee:

This junior high astronomy course introduces students to the patterns we observe in the sky and how they affect life on Earth. Students will explore the relationships between the Earth, Sun, and Moon; investigate constellations and seasonal sky changes; examine how ancient civilizations shaped early astronomical ideas; and learn how telescopes, light, and space exploration help us understand the universe and inspire new discoveries.

SOCIAL STUDIES

UTAH STUDIES

YEAR

CREDIT 1.0

Foundation

Required for grade 7

Fee:

Required at UMA for Grade 7 - In Utah Studies Cadets will study the History of Utah, its early Native American settlement, the settling by early pioneers, and its progression into the modern state. Further, the modern Utah government structure, from local to state, as well as issues that face Utah "here and now" will be examined.

US HISTORY I

YEAR

CREDIT 1.0

Foundation

Required for grade 8

Fee:

Required at UMA for Grade 8 - 8th Grade Integrated Science will focus on changes in matter and energy, which will be studied in relation to Physics, Geology, Biology, and Chemistry. Unit 1 covers the atomic nature of matter, physical properties, chemical and physical change and how energy changes the behavior of matter. Unit 2 traces the path of energy from the sun through all the living systems of earth. Unit 3 covers the energy and matter transformations occurring inside our planet; the process of rock formation and transformation and the forces that shape our world. Unit 4 brings all these concepts together in the study of the physics of simple machines, energy movement through materials, the nature of light and EM waves. There is a \$25 course fee for 8th grade science.

ELECTIVES

LATINOS IN ACTION: JUNIOR HIGH

YEAR

CREDIT 1.0

Elective-Instructor Approval Required

Recommended for grades 7-8

Fee:

Acceptance by application approval. Maintain no more than 1 F (no F is preferable) and have a minimum 2.0 GPA. No behavioral write ups or behavioral issues. This is a service based course that leverages personal capital in carrying out the planning process to completion of the planned activity by student driven and lead group interactions. Involves volunteer service hours before, after and during the school day and occasional weekends. Leaders are chosen from participants.





UTAH
MILITARY
ACADEMY

YOUR PATH. YOUR FUTURE. *Your Mission.*

★ 7TH GRADE PATHWAY TO COLLEGE AND BEYOND ★

Plan Today. Work Hard. Stay Disciplined. Succeed Tomorrow.

★ START HERE ★

7TH GRADE FOUNDATION YEAR

Build Habits.
Explore Interests.
Keep Your Options Open.



- Take Challenging Courses
- Develop Leadership & Character
- Stay Active & Involved
- Build Relationships with Teachers & Mentors
- Explore Careers You're Curious About

FOCUS ON WHAT YOU CAN CONTROL TODAY TO CREATE MORE CHOICES TOMORROW.

8TH GRADE



EXPLORE & PREPARE

- ✓ Explore career interests
- ✓ Strengthen core academics
- ✓ Get involved in activities
- ✓ Learn time management
- ✓ Start thinking about high school course choices

9TH GRADE



BUILD & ENGAGE

- ✓ Take rigorous courses
- ✓ Join clubs, teams or programs
- ✓ Develop leadership skills
- ✓ Explore career pathways
- ✓ Begin planning for the future

10TH GRADE



FOCUS & PLAN

- ✓ Take challenging classes
- ✓ Prepare for standardized tests (PSAT)
- ✓ Research colleges & careers
- ✓ Consider dual credit or CTE options
- ✓ Set goals for 11th & 12th grade

11TH GRADE



PREPARE & ACHIEVE

- ✓ Take advanced courses
- ✓ Take ACT or SAT
- ✓ Visit college campuses
- ✓ Work on scholarships & resume
- ✓ Plan for life after high school

12TH GRADE



COMPLETE & LAUNCH

- ✓ Complete graduation requirements
- ✓ Submit college applications
- ✓ Apply for scholarships
- ✓ Make your plan and prepare for what's next
- ✓ Finish strong!

AFTER HIGH SCHOOL CHOOSE YOUR PATH



4-YEAR COLLEGE

- Bachelor's Degree
- Broader career options
- Campus life experience
- Leadership opportunities

OR



2-YEAR COLLEGE

- Associate Degree
- Lower cost
- Transfer to 4-year college
- Enter the workforce sooner

OR



MILITARY OR OTHER PATHWAYS

- Serve your country
- Receive training and education
- Build skills for life
- Many career paths available

★ UMA GRADUATION REQUIREMENTS ★



ENGLISH/LANGUAGE ARTS (4 CREDITS)

- English 9-11
- Applied or Advanced English



MATHEMATICS (4 CREDITS)

- Must complete Secondary Math I and II
- 1 Math credits from applied/advanced math
- 1 Math elective



SCIENCE (4 CREDITS)

- At least 2 from Earth Science, Biology, Chemistry, Physics



SOCIAL STUDIES (3 CREDITS)

- 1 Credit (U.S. History)
- 0.5 Credit (Geography)
- 0.5 Credit (Civilization)
- 0.5 Credit (U.S. Government and Citizenship)
- 0.5 Credit (Economics or Psychology)



DIRECTED COURSEWORK (3.5 CREDITS)

- 1.5 Credit (Fine Arts)
- 1 Credit (CTE)
- 0.5 Credit (Computer Technology)
- 0.5 General Financial Literacy



PHYSICAL EDUCATION HEALTH (2 CREDITS)

- 0.5 Credit (Health)
- 0.5 Credit (Participation Skills)
- 0.5 Credit (Fitness for Life)
- 0.5 Credit (Individualized Lifetime Activities)
- Optional: 0.5 Credit Maximum (Team Sport/Athletic Participation*)



JROTC (3 CREDITS)

- Science of Flight
- Space Exploration
- Aviation History
- Global Awareness



REQUIRED ELECTIVES (3.5 CREDITS)

TOTAL CREDIT HOURS (27)

* Can be used in place of Participation Skills or Individualized Lifetime Activities only.



STAY DISCIPLINED

Good habits today lead to success tomorrow.



SEEK SUPPORT

Ask teachers, mentors, and counselors for guidance.



BE INVOLVED

Get involved and lead—it makes a difference.



FINISH STRONG

Your future is built on what you do today.

