

COURSE CATALOG

**Including Collegiate and Career Pathways
2024-2025**



UNIVERSITY SCHOOLS

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Introduction

University High School has developed requirements students must meet in order to receive a diploma from UHS. Students request courses from this catalog during the registration process. Courses are scheduled based on student requests.

University High School students choose a pathway to guide them toward high school graduation. Some pathways place an emphasis on an area of strong interest. The Liberal Arts pathway follows a more general course of study. The goal of each pathway is to develop and graduate young people who are ready for college, careers and citizenship.

Course Fees

Course fees are currently covered by the Mil Levy Override. Advanced Placement (AP) exams fees may also be adjusted for those that qualify for free and reduced lunch. See the Business Office for more information.

Organization for Learning

The high school is organized into four quarters and utilizes a rotating block schedule with eight ninety-minute periods. Mondays will be determined by the school calendar. Tuesdays and Thursdays are designated as "Day 1 Blue Day" and Wednesdays and Fridays are designated as "Day 2 White Day."

Schedule

High School Schedule

	Mondays		Tuesday-Friday
Block 0	7:10 – 7:55	Block 0	7:10 – 7:55
Block 1/6	8:00 – 9:30	Block 1/6	8:00 – 9:30
Advisor	9:35 – 10:10	Advisor	9:35 – 10:10
Block 2/7	10:15 – 11:45	Block 2/7	10:15 – 11:45
Lunch	11:45 – 12:25	Lunch	11:45 – 12:25
Block 3/8	12:30 – 2:00	Block 3/8	12:30 – 2:00
Block 4/9	2:05 – 3:35	Block 4/9	2:05 – 3:35

Advisor/Advisee Program

The Advisor/Advisee Program is a key feature of University High School. Each student spends four years with one advisor and advisee group. Advisors serve as student advocates and guide students in selecting courses and completing graduation requirements.

Advising enables students to develop a sense of community, build lines of communication, obtain academic coaching, complete required Individual Career and Academic Plan (ICAP) and document completion of required community service, job

shadows, internship, and senior project. **Attendance is required.**

Community Service

The student must complete at least forty (40) hours of service. The student will receive 0.25 credits for each forty hours up to one hundred sixty (160) hours for maximum credit of 1.0. Community service forms must be completed and are available on the school website. **Community service is required for graduation.**

Job Shadows

Job shadow forms that must be completed are available on the school website. A student must complete the equivalent of three (3) one-half (1/2) days of shadowing in three (3) distinctly different settings or jobs. **Job shadows are required for graduation.**

Internship

The student must complete at least forty (40) hours of internship. Internship forms that must be completed are available on the school website. The student will receive 0.25 credits for each forty (40) hours up to one hundred sixty (160) hours for maximum credit of 1.0. **Internship is required for graduation.**

Senior Project

The required project forms are available on the school website. Senior projects must be at least 30 hours, provide a learning stretch for the student, and meet the requirements of the senior project handbook. **Senior Project is required for graduation.**

Changing Schedules

Freshmen and sophomores are expected to remain in eight classes each quarter. Study Hall may count for one of these classes. Or in extenuating circumstances, with parent permission, freshmen and sophomores may have an open block. Juniors making adequate progress toward graduation may reduce their schedule to seven classes each quarter, and seniors may take six. Schedule changes that result in fewer classes must be approved by the counselor and principal.

Changes to a student's schedule should be carefully considered and will only be granted on a space-available basis. Classes may only be added or dropped before the fifth day of each semester.

Drop/Add Procedures for Students

1. Consult with the parent and advisor about the value and feasibility of the proposed change.
2. Schedule change request forms must be submitted by the end of the 3rd day of the new semester.

3. Counselors will email students regarding their requests after reviewing the request.
4. Students wishing to drop a class must continue to attend the class until paperwork is completed.

Dropped Class Grading

In the event a student drops or is dropped from a class, the following grading policy will apply:

1. If a student drops a class before the fifth day of the term, there will be no entry reflected on the report card or transcript.
2. If a student receives permission from the principal to drop a class after the fifth day of the trimester, a "WF" or "WP" will be recorded on the report card and transcript. A failing grade will be recorded as a WF on the transcript and will be counted in the GPA. A passing grade will be recorded as a WP on the transcript and will not be counted in the GPA.
3. If a student is dropped from a class at any time for disciplinary reasons, an "F" will be recorded on the report card and transcript, and the grade will be included in the GPA.
4. Dropping a class may affect athletic/activities eligibility.
5. Students may also be granted a medical withdrawal with principal approval if conditions warrant. These will be noted on the transcript, and do not calculate in GPA.

Credit Recovery

If a student fails one or more classes required for graduation, the student must make up that credit through the University Schools Credit Recovery program.

A maximum of 2.0 recovered credits may be applied to a student's high school transcript unless approved by administration for additional courses.

Families may arrange a payment plan to spread the cost over time if necessary. For more information about the credit recovery program, please contact the school counselor.

Credit for College Classes

Students are encouraged to enroll in college classes at Aims or UNC. Parents/guardians are responsible for payment of tuition and fees for classes taken by students unless the student applies for and is granted assistance through one of the three different options described below: Concurrent Enrollment, Career Academy, Dual Enrollment.

High School Credit for College Classes - (classes taken on college campus)

Credit will transfer as follows:

4+ - credit college class equals 1.0 credit;

1-3 - credit college class equals .5 credit.

- MAT 0300 Algebraic Literacy (HEAR comparable to third year of H.S. math)
- MAT 1240 Mathematics for the Liberal Arts
- MAT 1340 College Algebra
- MAT 2410 Calculus I
- MAT 2420 Calculus II

In addition, students will earn 1.0 credit for the following college level coursework in the Foreign Language Department:

- AIMS: courses numbered 1011, 1012, 2011, 2012
- UNC: courses numbered 101, 102, 201, 202

Procedures:

Concurrent Enrollment

The State of Colorado provides several options for high school students to begin college early. Students enrolled in the 9th–12th grades, who demonstrate academic preparedness, are eligible for the concurrent enrollment program. Students may apply to have their tuition paid for under this program. Students enrolled in 12th grade may enroll in remedial courses if approved by the school. If a high school student is retained for instructional purposes in 12th grade, he/she may not enroll in more than 9 college credits during the repeated year. To enroll at an eligible postsecondary institution, a student must have completed the minimum course prerequisites and all required assessments. Tuition for summer courses are not covered under Concurrent Enrollment; however, the student can choose to receive high school credit for summer courses.

Process for participating in the Concurrent Enrollment Program

- Meet with the high school guidance counselors to obtain a *Concurrent Enrollment Packet* and verify that the courses will count toward high school graduation. Turn in the completed forms to the high school counselors by the deadlines (May 1 for Fall Semester classes or November 8 for Spring Semester classes). Students must submit new paperwork for each semester they plan to enroll in Concurrent Enrollment.
- Student must apply and be accepted into the institution of higher education. Student can apply via online only. Also, specific courses, typically Math and English, require the student to meet certain SAT, ACT, or Accuplacer scores to be enrolled. Please see the counselors for more information and placement scores.

- Adding, dropping or changing a course requires approval from the high school principal. All changes must be approved prior to the Add/Drop date at the college or university. Failure to complete the change form by the designated date means tuition payment will be the responsibility of the student/parent/guardian.
- All tuition costs will be paid in advance by the school at the beginning of each semester for ALL students participating in Concurrent Enrollment (excluding student fees, differential costs, books, etc.). Failure to attend class will result in failure of the course and will result in an "F" on the student's permanent college transcript.
- The maximum allowable tuition payment by University Schools is six (6.0) credit hours each semester for approved coursework. Student/Parent/Guardian will be responsible for additional tuition for credits beyond 6.0 in which the student opts to enroll.
- The school will only pay tuition equal to the tuition rate at Aims Community College. If a student is attending an institution where the tuition rate exceeds that amount, it will be the responsibility of the student/parent/guardian to pay the remaining difference.
- In compliance with the Family Educational Rights and Privacy Act (FERPA) of 1974, the student gives permission to the above noted college to report absences, disciplinary issues, and the release of grades, transcripts, in progress grades and class schedules, as available, to the high school for the courses enrolled under the Concurrent Enrollment Program.
- ALL students must submit official transcripts, showing their final grade, to the high school counselor within 2 weeks after the completion of class. Students may obtain these documents from the college/university website by using their login information.

Questions regarding Aims Community College, please call 970-330-8008.

Questions regarding University of Northern Colorado, please call 970-351-2881.

Career Academy

Career Academy is a program in which juniors and seniors can get career training in programs such as agriculture, animation, automotive service technology, collision repair, customer service, emergency medical technician, fire academy, graphic design, industrial tech, leadership, med

prep, oil and gas, audio and radio production, and welding. Students may apply for one of a limited number of Career Academy scholarships which covers all costs, including lab fees and books. This program is very selective and competitive. Students who are selected and want to continue the program for a consecutive year must reapply for the scholarship to receive financial assistance from University Schools.

Applicants must meet the following requirements BEFORE applying:

- Must be classified as a high school junior or senior at the start of the Career Academy class.
- Must have a GPA of 3.0 or higher for the trimester preceding application.
- The student's attendance must be fewer than 5 absent days (excused or unexcused) during preceding trimester.
- Med Prep and Automotive applicants must take the Accuplacer Reading assessment. (Attach test results.)
 - Med Prep students need an Accuplacer Reading score of 62. Med Prep students with ACT Reading score of 17 or SAT Evidence-Based Reading & Writing score of 470 do not need to take the Accuplacer.
 - Automotive students need an Accuplacer Reading score of 60. Automotive students with an ACT Reading score of 17 or SAT Evidence-Based Reading & Writing score of 470 do not need to take the Accuplacer.
- Students will need to verify the ability to transport themselves to the college.
- Choose the Career Academy in which you are interested.
- Financial need will be considered if Free and Reduced approval letter is attached.

Dual Enrollment

Dual Enrollment courses are taught on University High School's campus, by University High School instructors, but the curriculum belongs to the higher learning institutions (as designated). Students earn high school credit, as well as college credit for the following courses:

- ACC 1001 Fundamentals of Accounting Honors
- BUS 1015 Principles of Business
- CHE 1111 College Chemistry
- CHE 1112 College Chemistry

- ENG 1021 English Composition I
- ENG 1022 English Composition II
- MAN 2016 Small Business Management
- MAN 2026 Principles of Management
- MAR 2016 Principles of Marketing
- MAT 2410 Calculus I
- MAT 1340 College Algebra
- MAT 1420 College Trigonometry
- PHI 1011 Intro to Philosophy
- UAS 1055 Flight Training

Process for participating in the Dual Enrollment Program

- Meet with the high school guidance counselors to obtain a *Concurrent Enrollment Packet* and verify that the courses will count toward high school graduation. Turn in the completed forms to the high school counselors by the deadlines (May 1 for Fall Semester classes or October 1 for Spring Semester classes). Students must submit new paperwork for each semester they plan to enroll in dual enrollment. There is no limit to the number of dual enrollment courses that a student may take.
- Student must apply and be accepted into the institution of higher education. Student can apply via online only. Also, specific courses, typically Math and English, require the student to meet certain GPA grades, SAT, ACT, or Accuplacer scores to be enrolled. Please see the counselors for more information and placement scores.
- Adding, dropping or changing a course requires approval from the high school principal. All changes must be approved prior to the Add/Drop date at the college or university. Failure to complete the change form by the designated date means tuition payment will be the responsibility of the student/parent/guardian.
- All tuition costs will be paid in advance by the school at the beginning of each semester for ALL students participating in Dual Enrollment (excluding student fees, differential costs, books, etc.). If the student does not pass with a "C" or higher or withdraws from the course, the student and parent/guardian are required to reimburse the school for the tuition. Failure to attend class will result in failure of the course and will result in an "F" on the student's permanent college transcript.

Credit for Team Sports

Students may earn the following credit through team sports:

Students will earn 0.25 credits per season of sports participation.

Early Graduation

A student may graduate early provided the following conditions are met:

1. The student has attended UHS at least one full year prior to applying for early graduation.
2. The student has satisfactorily met all graduation requirements.
3. The student requests early graduation in writing to the principal stating the reasons for the request and what the student plans to do after graduating early. Written parent, advisor and counselor consent must be included in the application. Approval of the request will depend upon the student having a viable alternative and a reasonable post-graduation plan.

The student is encouraged to participate in commencement exercises in the spring of the year he or she graduates.

Grades

Students receive a traditional 4.0 scale of A, B, C, D, or F grade. Advanced Placement courses and college courses are weighted on the 5 point scale and honors, are weighted on a 4.5 scale.

Students have the option of receiving grades other than the traditional A, B, C, D, or F-system. These would include a Satisfactory/ Unsatisfactory (S/U), and Credit/No credit (NC). If a student requests grades other than the traditional format, she/he must complete a form and have it signed by the teacher and submitted to the Students Services Office by the fifth class period.

Students on suspension may make up course work so that the student will continue to benefit from the learning. Not all missed work can be made up, i.e. oral participation grades, pop quizzes, etc. Make up work will be counted for full credit.

Failed Classes

See Credit Recovery on page 3.

Incomplete Grades

A student who has not completed grade requirements by the end of the quarter due to illness or other excused absence will be given a grade of Incomplete upon approval by the principal. A grade of "I" must be cleared no later than two weeks after the end of the grading period. After two weeks, the "I" will automatically change to an "F". Any exceptions to these deadlines must have the approval of the principal. An "I" must be considered as a failing grade for CHSAA eligibility purposes.

Grade Changes

Grade changes should only occur in exceptional cases and need to be approved by the principal.

Independent Study (Grades 10-12 only)

Independent study will be approved only if the course is not currently being offered or the student is unable to take a course as scheduled. The course should make educational sense for the student and should enrich his/her educational program. Credit will be granted upon completion of agreed requirements, submission of appropriate documentation of course work and hours, and a final evaluation. Independent study will count toward eligibility for participation in athletic activities. The class will be checked on the weekly eligibility sheet for progress and a passing grade.

To enroll in an independent study course:

1. Consult with advisor as to the feasibility of the proposal.
2. Secure an Independent Study Enrollment Application from the Student Services Office.
3. Work with the supervising teacher to prepare a detailed proposal which must include:
 - a written outline with course objectives
 - expectations for the student
 - course requirements and assignments
 - a timeline with meeting dates and times
4. Secure the signature/approval of the principal and return the form to the Student Services Office before the quarter begins.
5. The student should proceed only after final approval has been granted by the principal.

Category Credit Type Changes – Appeal Process

Students may appeal the category of certain courses if the change would benefit the student to fulfill graduation requirements. The course must be the type that the curriculum is a combination of two different types of categories. Example: Yearbook is in the category of Fine Arts but could be appealed for credit in Language Arts, because the course covers both subjects. To appeal the course category, the student must email their counselor to request the change. The student must be able to justify the reason for the change. If approved, the category type will be changed on the student's transcript by the registrar. Such a change will be permanent.

Course Requirements for Athletes

An athlete must be a full-time student during the term he/she is participating in athletics. An athlete

must meet eligibility rules on a semester basis in order to be eligible. An athlete must pass the equivalent of 2.5 credits (5 classes) in the semester prior to the season of participation. For example, to be eligible for the second semester season, the athlete must have passed the equivalent of 2.5 credits in the prior Fall quarter. A student must pass 2.5 credits in the Spring semester to be eligible to participate in a sport the following Fall Season.

Advisor and Study Hall cannot be counted toward eligibility. Classroom Aide can only be counted toward eligibility if it is taken for a grade and not for community service or internship. Students taking classes at UNC or Aims should consult with the Activities Director to ensure classes will count toward full-time status.

The Activities Director will conduct eligibility checks every week. A point system is utilized to determine weekly eligibility. Athletes receive 2 points for any class in which they are failing and 1 point for any class in which they are near failing (D). Athletes who have earned 4 points or who are not passing a minimum of 2.5 credits will be ineligible for competition for a minimum of one week until the next eligibility check is completed. (Coaches may have stricter rules if they wish.)

NCAA

Students considering participation in Division I or II college athletics need to be certified by the NCAA Eligibility Center in order to compete. Please note the following designations before course titles in order to responsibly choose classes that will meet the NCAA certification guidelines.

*NCAA approved course
npNCAA approval pending

Online courses may not be NCAA-approved. This includes courses taken through our Credit Recovery program or courses taken in place of one of our NCAA approved courses. Students are responsible for selecting classes that are NCAA approved.

Advanced Placement Courses

Students have the possibility of earning college credit based on their AP exam score and college requirements/policies. College Board must approve Advanced Placement courses before the term "AP" can be included on a student's transcript.

‡College Board approved course
cpCollege Board approval pending

Here is a list of current AP course offerings:

- AP English Literature and Composition
- AP Calculus
- AP Statistics
- AP Chemistry and Lab
- AP Computer Science
- AP Physics
- AP Human Geography
- AP Psychology
- AP United States History
- AP World History
- AP Studio Art: 2D Design, Drawing or 3D Design
- AP Spanish

Graduation requirements and procedures are under constant review. Changes may be made at any time.

LIBERAL ARTS PATHWAY DIPLOMA

Graduation Requirements for a University High School Diploma: **29.0 credits**

English

4.0 Credits

Freshman English (1.0)
Sophomore English (1.0)

Additional 2.0 credit as decided upon by parent, advisor, and student.

***Mathematics**

4.0 credits

Algebra I or Algebra A Principles I and Algebra B Principles II (1.0)
Geometry or Geometry Honors (1.0)
Coursework is determined by student need.

*Students are encouraged to adhere to HEAR - Colorado Higher Education Admission Requirements – to ensure the opportunity for college admission, which includes Algebra II or equivalent.

Social Studies

3.5 Credits

American Government (.50)
Geography (.50) or AP Human Geography (1.0)
American History or AP American History (1.0)
World History or AP World History (1.0)

Additional .50 credits in social studies coursework as decided upon by parent, advisor and student.

Science

3.0 Credits

Freshman Science I (.50)
Freshman Science II (.50)

Additional 2.0 credit in science coursework as decided upon by parent, advisor, and student.

Fine Arts

1.0 Credit

Introduction to Art (.25)

Additional .75 credit in fine arts coursework as decided upon by parent, advisor, and student.

World Language

2.0 credits of same language

Students may enroll in a language of their choice.

Students who plan to attend a four-year college should plan to take three years of the same language.

Career and Technical Education

1.0 Credit

College and Career Prep. (.50)

Additional .50 credit in career and technical education coursework as decided upon by parent, advisor, and student.

Wellness

1.0 Credit

The Health and Wellness Experience (.25)

Additional .75 credit in Wellness/P.E. coursework as decided upon by parent, advisor, and student.

<u>Advising</u>	<u>2.0 Credits</u> .25 credits earned per semester
<u>Community Service</u>	<u>.25 Credit</u> 40 clock hours must be logged to receive .25 credit. Students are allowed to log 160 hours and earn 1.0 credit.
<u>Job Shadow</u>	<u>.25 Credit</u> 3 job shadows to receive .25 credit. 6 job shadows to receive .50 credit.
<u>Internship</u>	<u>.25 Credit</u> 40 clock hours must be logged to receive .25 credit. Students are allowed to log 160 hours and earn 1.0 credit.
<u>Senior Project</u>	<u>.25 Credit</u> Letter of intent approval Learning stretch Senior board presentation

<u>Advising</u>	<u>2.0 Credits</u> .25 credits earned per semester
<u>Community Service</u>	<u>.25 Credit</u> 40 clock hours must be logged to receive .25 credit. Students are allowed to log 160 hours and earn 1.0 credit.
<u>Job Shadow</u>	<u>.25 Credit</u> 3 job shadows to receive .25 credit. 6 job shadows to receive .50 credit.
<u>Internship</u>	<u>.25 Credit</u> 40 clock hours must be logged to receive .25 credit. Students are allowed to log 160 hours and earn 1.0 credit.
<u>Senior Project</u>	<u>.25 Credit</u> Letter of intent approval Learning stretch Senior board presentation

BUSINESS PATHWAY DIPLOMA

Graduation Requirements for a Diploma with an Emphasis in Business Careers (If an AP Course is not offered at the time the student needs, the student may apply to take the equivalent class at a college under Concurrent Enrollment.)

PRE-PATHWAY COURSE WORK

English

4.0 Credits

Freshman English (1.0)
Sophomore English (1.0)

Additional 2.0 English coursework credits as decided upon by parent, student and advisor that are grade level appropriate and appropriate for the individual.

Social Studies

4.0 Credits

American Government (.5)
Global Geography (.5)
American History or AP American History (1.0)
World History or AP World History (1.0)

1.0 from the Social Studies electives:

Psychology (.25)
College Sociology (1.0)
Current Events (.25)
AP Human Geography (1.0)
AP Psychology (1.0)
The Civil War (.25)
The Vietnam War and Beyond (.25)
Global Conflicts of 20th Century: World War I and II (.25)

Mathematics

4.0 Credits

Algebra (1.0)
Geometry (1.0)
Algebra II (1.0)
College Algebra (1.0)
College Algebra and College Trigonometry (1.5)
Data Science and Statistics (1.0)
Consumer Math (1.0)
Fundamentals of Accounting Honors (1.0) (required)

Science

3.0 Credits

Freshman Science I (.5)
Freshman Science II (.5)

Additional 2.0 Science credit as decided upon by parent, advisor, and student.
Students going to a four-year college should enroll in Chemistry and/or Physics.

Career and Technical Education

5.0 Credits

College and Career Prep. (.5)

High School of Business Courses (all required)

Wealth Management (.5)
Leadership (.5)
Principles of Business Honors (.5)
Business Economics Honors (.5)
Principles of Finance Honors (.5)
Principles of Management Honors (.5)

Principles of Marketing Honors (.5)
Business Strategies Honors (.5)

.50 from the following:
Desktop Publishing (.25)
Hospitality and Tourism (.25)
Life Management (.5)
Sports and Entertainment (.25)

Fine Arts

1.0 Credit
Introduction to Art (.25)
Performing Art (.25)

Additional .5 credit in Fine Arts coursework as decided upon by parent, advisor, and student.

World Languages

2.0 Credits of the same language
Students may enroll in a language of their choice. Students who plan to attend a four-year college should plan to take three years of the same language.

Wellness

1.0 Credits
The Health and Wellness Experience (.25)

Additional .75 credit in Wellness/P.E. coursework as decided upon by parent, advisor, and student.

Advising

2.0 Credits

Total Credits – The student must earn at least 29 credits for this pathway diploma.

Job Shadows – All students must complete 3 one-half day shadowing experiences. One experience must be in a *business-related* field.

Community Service – 40 hours must be logged to receive .25 credit.

Internship – 40 hours in a *business-related* field must be logged to receive .25 credit.

Portfolio – The ICAP portfolio is required for this pathway diploma.

Senior Project – A senior project is required for this pathway diploma.

Sample Careers for Business Pathway

ENTRY LEVEL: High School Diploma

- Customer Service Representative
- Mail Clerk
- Receptionist
- Records Clerk
- Teller

BUSINESS, ASSOCIATE DEGREE: Technical College or Community College Degree

- Accounting Clerk
- Bookkeeper
- Data-entry Operator
- Desktop Publisher
- Information Processing Specialist
- Marketing Assistant
- Processing Clerk
- Public Relations Specialist
- Secretary
- Transcriptionist

BUSINESS, BACHELOR'S DEGREE: Four Year College or University Degree and Beyond

- Administrative Manager
- Analyst
- Auditor
- Banker
- CPA/Accountant
- Database Manager
- Economist
- Entrepreneur
- Event Planner
- Financial Advisor
- Hotel Manager
- Human Resources Manager
- Information Systems Manager
- Insurance Agent
- International Sales Manager
- Loan Officer
- Office Manager
- Product Development
- Real Estate Agent
- Restaurant Manager
- Retail Manager
- Sports Manager
- Stockbroker
- Tax Preparer

ENGINEERING PATHWAY DIPLOMA

Graduation Requirements for a Diploma with an Emphasis in Engineering Careers (If an AP Course is not offered at the time the student needs, the student may apply to take the equivalent class at a college under Concurrent Enrollment.)

English

4.0 Credits

Freshman English (1.0)
Sophomore English (1.0)
Junior English or AP English Literature (1.0)
Senior English or AP English Literature (1.0), Senior Composition (1.0)

Social Studies

3.5 Credits

American Government (.50)
Global Geography (.50) or AP Human Geography (1.0)
American History or AP American History (1.0)
World History or AP World History (1.0)

Additional credits as needed to earn 3.5 total social studies credits

Mathematics

4.5 Credits

Geometry or Geometry Honors (1.0)
Algebra II or Algebra II Honors (1.0)
College Algebra/College Trigonometry (1.5)
AP Calculus/Calculus I (1.0)

Science

5.0 Credits

Freshman Science I (.5)
Freshman Science II (.5)
Engineering I (1.0)
Physics (1.0)
AP Chemistry (2.0) or AP Physics (1.0) Note: AP Physics strongly recommended.
Engineering II (1.0) or Computer Science (1.0) Note: Recommend both

Career and Technical Education

1.0 Credit

College and Career Prep. (.5)

Additional .5 credit as decided upon by parent, advisor and student.

Fine Arts

1.0 Credit

Introduction to Art (.25)

Additional .75 credit in Fine Arts coursework as decided upon by parent, advisor, and student.

World Language

2.0 Credits of the same language

Students may enroll in a language of their choice.
Students who plan to attend a four-year college should plan to take three years of the same language.

Wellness

1.0 Credit

The Health and Wellness Experience (.25)

Additional .75 credit in Wellness/P.E. coursework as decided upon by parent, advisor, and student.

Advising

2.0 Credit

Total Credits – The student must earn at least 29 credits for this pathway diploma.

Job Shadows – All students must complete 3 one-half day shadowing experiences. One experience must be in an *Engineering-related* field.

Community Service – 40 hours must be logged to receive .25 credit

Internship – 40 hours in an Engineering-related field must be logged to receive .25 credit

Pathway Exploration – Additional 40 hours in an Engineering-related field must be logged to receive .25 credit. This may be completed through additional shadowing, community service, or internship.

Portfolio – The ICAP portfolio is required for this pathway diploma

Senior Project – A senior project is required for this pathway diploma

Sample Careers for Engineering Pathway

- Aerospace Engineer
- Architect
- Atmospheric Science
- Bio Tech Engineering
- Chemist
- Civil Engineer
- Computer Engineer
- Electrical Engineer
- Mechanical Engineer
- Structural Engineer
- Systems Analyst
- Teacher of Science or Math

FAMILY CONSUMER SCIENCE **PATHWAY DIPLOMA**

Graduation Requirements for a Diploma with an Emphasis in Family Consumer Science Careers (If an AP Course is not offered at the time the student needs, the student may apply to take the equivalent class at a college under Concurrent Enrollment.)

English

4.0 Credits

Freshman English (1.0)
Sophomore English (1.0)
Junior English or AP English Literature (1.0)
Senior English or AP English Literature (1.0), Senior Composition (1.0)

Social Studies

4.5 Credits

American Government (.50)
Global Geography (.50) or AP Human Geography (1.0)
American History or AP American History (1.0)
World History or AP World History (1.0)
Psychology (.25)
Sociology (1.0)

Additional credits as needed to earn 4.5 total social studies credit

Mathematics

4.0 Credits

Algebra I (1.0)
Geometry or Geometry Honors (1.0)
Coursework determined by student need.
*Students are encouraged to adhere to HEAR - Colorado Higher Education Admission Requirements – to ensure the opportunity for college admission, which includes Algebra II or equivalent.

Additional 2.0 credits in Math coursework as decided upon by parent, advisor, and student.

Science

3.0 Credits

Freshman Science I (.50)
Freshman Science II (.50)

Additional 2.0 credits in Science coursework as decided upon by parent, advisor, and student.

Career and Technical Education

3.75 Credits

College and Career Prep. (.50)
FCS Leadership Q1 (.25)
FCS Leadership Q3 (.25)
Interpersonal Relationships (.25)
Nutrition and Wellness (.25)
Catering (.50)
Child and Adolescent Development Part I & II (.50)
Fashion Design and Merchandising (.50)
Hospitality and Tourism (.25)
Life Management (.50)

Fine Arts

1.0 Credit

Introduction to Art (.25)

Additional .75 credit in Fine Arts coursework as decided upon by parent, advisor, and student.

World Language

2.0 Credits of the same language

Students may enroll in a language of their choice.

Students who plan to attend a four-year college should plan to take three years of the same language.

Wellness

1.0 Credit

The Health & Wellness Experience (.25)

First Aid/CPR (.25)

PE Class (.25)

Additional .25 credit in Wellness/P.E. coursework as decided upon by parent, advisor, and student.

Advising

2.0 Credit

Total Credits – The student must earn at least 29 credits for this pathway diploma.

Job Shadows – All students must complete 3 one-half day shadowing experiences. One experience must be in a *child development-related* field.

Community Service – 40 hours must be logged to receive .25 credit

Internship – 40 hours in a Family Consumer Science-related field must be logged to receive .25 credit

Portfolio – The ICAP portfolio is required for this pathway diploma

Senior Project – A senior project is required for this pathway diploma

Family Consumer Science careers generally correlate with three main pathway areas: Education & Training, and Human Services, Hospitality & Tourism and Visual Arts & Design.

Sample Careers for Family Consumer Science

Education & Training and Human Services

- Community Outreach Director
- Consumer Advocate
- Cooperative Extension Agent
- Counselor
- Curriculum Specialist
- Librarian
- Life/Career Coach
- Principal
- Program/Center Director
- Psychologist
- Social Worker
- Teacher
- Therapist
- Victim's Advocate
- Volunteer Coordinator

Hospitality & Training

- Chef

- Destination Marketing Professional
- Dietitian
- Food & Beverage Director
- Food Scientist
- Food Technologist
- Events Manager
- Nutritionist
- Research Chef
- Restaurant Manager
- School Nutrition Professional

Visual Arts & Design

- Buyer
- Copywriter
- Design Associate
- Fashion Designer
- Furniture Designer
- Interior Architect
- Interior Designer
- Manufacturer Rep.
- Pattern Maker
- Tailor/Seamstress
- Textile Scientist
- Trend Forecaster

HEALTH AND MEDICAL CAREERS PATHWAY DIPLOMA

Professional Level

Graduation Requirements for a Diploma with an Emphasis in Health and Medical Careers (If an AP Course is not offered at the time the student needs, the student may apply to take the equivalent class at a college under Concurrent Enrollment.)

Professional Level – Four-year college/University Degree and beyond

English

4.0 Credits

Freshman English (1.0)
Sophomore English (1.0)
Junior English or AP English Literature (1.0)
Senior English or AP English Literature (1.0), Senior Composition (1.0)

Social Studies

3.5 Credits

American Government (0.5)
Geography (0.5) or AP Human Geography (1.0)
American History or AP American History (1.0)
World History or AP World History (1.0)
Psychology (0.25)

Additional credits as needed to earn 3.5 total social studies credit

Mathematics

4.0 Credits

4 years up to and including College Algebra or above

Science

6.5 Credits

Freshman Science I (0.5)
Freshman Science II (0.5)
Zoology (0.5)
Cellular Biology (1.0)
Chemistry (1.0)
Human Anatomy (1.0)
AP Chemistry (2.0)

Career and Technical Education

1.0 Credits

College and Career Prep. (0.5)

Additional .50 credit in Career and Technical Education coursework as decided upon by parent, advisor and student.

Fine Arts

1.0 Credit

Introduction to Art (0.25)

Additional .75 credit as decided upon by parent, advisor and student.

World Language

2.0 Credits of same language; 3.0 credits recommended

Students may enroll in a language of their choice. Students who plan to attend a four-year college should plan to take three years of the same language.

Wellness

1.0 Credit

First Aid/CPR (.25)
The Health and Wellness Experience (.25)

Additional .50 credit in Wellness/P.E. coursework as decided upon by parent, advisor, and student.

Advising

2.0 Credits

Total Credits – The student must earn at least 29 credits for this pathway diploma.

Job Shadows – All students must complete 3 one-half day shadowing experiences. One experience must be in a *Health And Medical-related* field.

Community Service – 40 hours must be logged to receive .25 credit

Internship – 40 hours in a *Health and Medical-related* field must be logged to receive .25 credit

Pathway Exploration – Additional 40 hours in a *Health and Medical-related* field must be logged to receive .25 credit. This may be completed through additional shadowing, community service, or internship.

Portfolio – The ICAP portfolio is required for this pathway diploma

Senior Project – A senior project is required for this pathway diploma

Sample Careers for Health and Medical Careers Pathway

ENTRY LEVEL: High School Diploma

- Geriatric Care Assistant
- Home Health Aide
- Hospital Worker
- Orderly

SKILLED LEVEL: Technical College or Community College Degree

- Dental Lab Technician
- Dental Assistant
- Dental Hygienist
- Emergency Medical Technician
- Licensed Practical Nurse
- Medical Office Manager
- Medical Records Technician
- Medical Lab Technician
- Medical Assistant
- Veterinarian Assistant
- X-Ray Technician

PROFESSIONAL LEVEL: Four Year College or University Degree and Beyond

- Athletic Trainer
- Audiologist
- Chiropractor
- Dentist
- Dietitian/Nutritionist
- Doctor
- Medical Technologist
- Occupational Therapist
- Optometrist
- Pharmacist
- Physical Therapist
- Registered Nurse
- Speech Therapist
- Speech & Language Pathology
- Veterinarian

HEALTH AND MEDICAL CAREERS PATHWAY DIPLOMA

Skilled Level

Graduation Requirements for a Diploma with an Emphasis in Health and Medical Careers (If an AP Course is not offered at the time the student needs, the student may apply to take the equivalent class at a college under Concurrent Enrollment.)

Skilled Level – Technical College or Community College Degree/Certificate

English

4.0 Credits

Freshman English (1.0)
Sophomore English (1.0)
Junior English or AP English Literature (1.0)
Senior English or AP English Literature (1.0), Senior Composition (1.0)

Social Studies

3.5 Credits

American Government (0.5)
Geography (0.5) or AP Human Geography (1.0)
American History or AP American History (1.0)
World History or AP World History (1.0)
Psychology (0.25)

Additional credits as needed to earn 3.5 total social studies credit

Mathematics

4.0 Credits

4 years up to and including Algebra II or above

Science

4.5 Credits

Freshman Science I (0.5)
Freshman Science II (0.5)
Zoology (0.5)
Cellular Biology (1.0)
Chemistry (1.0)
Human Anatomy (1.0)

Career and Technical Education

1.0 Credits

College and Career Prep. (0.5)

Additional .50 credit in Career and Technical Education coursework as decided upon by parent, advisor and student.

Fine Arts

1.0 Credit

Introduction to Art (0.25)

Additional .75 credit as decided upon by parent, advisor and student.

World Language

2.0 Credits of same language

Students may enroll in a language of their choice. Students who plan to attend a four-year college should plan to take three years of the same language.

Wellness

1.0 Credit

First Aid/CPR (.25)
The Health and Wellness Experience (.25)

Additional .50 credit in Wellness/P.E. coursework as decided upon by parent, advisor, and student.

Advising

2.0 Credits

Total Credits – The student must earn at least 29 credits for this pathway diploma.

Job Shadows – All students must complete 3 one-half day shadowing experiences. One experience must be in a *Health And Medical-related* field.

Community Service – 40 hours must be logged to receive .25 credit

Internship – 40 hours in a *Health and Medical-related* field must be logged to receive .25 credit

Pathway Exploration – Additional 40 hours in a *Health and Medical-related* field must be logged to receive .25 credit. This may be completed through additional shadowing, community service, or internship.

Portfolio – The ICAP portfolio is required for this pathway diploma

Senior Project – A senior project is required for this pathway diploma

Sample Careers for Health and Medical Careers Pathway

ENTRY LEVEL: High School Diploma

- Geriatric Care Assistant
- Home Health Aide
- Hospital Worker
- Orderly

SKILLED LEVEL: Technical College or Community College Degree

- Dental Lab Technician
- Dental Assistant
- Dental Hygienist
- Emergency Medical Technician
- Licensed Practical Nurse
- Medical Office Manager
- Medical Records Technician
- Medical Lab Technician
- Medical Assistant
- Veterinarian Assistant
- X-Ray Technician

PROFESSIONAL LEVEL: Four Year College or University Degree and Beyond

- Athletic Trainer
- Audiologist
- Chiropractor
- Dentist
- Dietitian/Nutritionist
- Doctor
- Medical Technologist
- Occupational Therapist
- Optometrist
- Pharmacist

- Physical Therapist
- Registered Nurse
- Speech Therapist
- Speech & Language Pathology
- Veterinarian

SCIENCES AND MATHEMATICS **PATHWAY DIPLOMA**

Graduation Requirements for a Diploma with an Emphasis in Sciences and Mathematics Careers (If an AP Course is not offered at the time the student needs, the student may apply to take the equivalent class at a college under Concurrent Enrollment.)

English

4.0 Credits

Freshman English (1.0)
Sophomore English (1.0)
Junior English or AP English Literature (1.0)
Senior English or AP English Literature (1.0), Senior Composition (1.0)

Social Studies

3.5 Credits

American Government (.50)
Global Geography (.50) or AP Human Geography (1.0)
American History or AP American History (1.0)
World History or AP World History (1.0)

Additional credits as needed to earn 3.5 total social studies credit

Mathematics

4.5 Credits

Geometry or Geometry Honors (1.0)
Algebra II or Algebra II Honors (1.0)
College Algebra and College Trigonometry (1.5)
AP Calculus/Calculus I (1.0)

Science

5.0 Credits

Freshman Science I (.50)
Freshman Science II (.50)
Cellular Biology (1.0)
Chemistry (1.0)
Physics (1.0)
AP Chemistry (2.0) or AP Physics (1.0)

Career and Technical Education

1.0 Credit

College and Career Prep. (.5)

Additional .50 credit in Career and Technical Education coursework as decided upon by parent, advisor and student.

Fine Arts

1.0 Credit

Introduction to Art (.25)

Additional .75 credit in Fine Arts coursework as decided upon by parent, advisor, and student.

World Language

2.0 Credits of the same language

Students may enroll in a language of their choice.
Students who plan to attend a four-year college should plan to take three years of the same language.

Wellness

1.0 Credit

The Health & Wellness Experience (.25)
Additional .75 credit in Wellness/P.E. coursework as decided upon by parent, advisor, and student.

Advising

2.0 Credit

Total Credits – The student must earn at least 29 credits for this pathway diploma.

Job Shadows – All students must complete 3 one-half day shadowing experiences. One experience must be in a ***Science or Mathematics-related*** field.

Community Service – 40 hours must be logged to receive .25 credit

Internship – 40 hours in a Science or Mathematics-related field must be logged to receive .25 credit

Pathway Exploration – Additional 40 hours in a Science or Mathematics-related field must be logged to receive .25 credit. This may be completed through additional shadowing, community service, or internship.

Portfolio – The ICAP portfolio is required for this pathway diploma

Senior Project – A senior project is required for this pathway diploma

Sample Careers for Sciences and Mathematics Pathway

- Aerospace Engineer
- Architect
- Atmospheric Science
- Bio Tech Engineering
- Chemist
- Civil Engineer
- Computer Engineer
- Electrical Engineer
- Mechanical Engineer
- Structural Engineer
- Systems Analyst
- Teacher of Science or Math

English (Language Arts) LAN Credit



****Advanced Placement English Literature & Composition**

This is a study of literature which leads to possible university-level English credit by taking the College Board exam at the end of the year. Students will read a wide range of literature: poetry, prose and drama by both American and World authors in translation. Emphasis will focus on students' abilities to think creatively and analytically as they discuss literature and write numerous analytical/expository essays both in class and outside of class time. Recommended grade level is juniors or seniors with approval. Credit of .50 given at the end of each semester. **Students may take the national AP exam (exam fee is approximately \$100) in May for possible college credit. Full payment is due in November.**

GRADE LEVEL: 11-12

FEES: \$0

PREREQUISITE: Application & Teacher Consent

CREDIT: 1.0

LENGTH: Year

***Freshman English**

Students will identify and practice the criteria of effective oral and written communication. Students will develop reading, listening, writing, and public speaking skills. Additional emphases will be on vocabulary development, and critical thinking skills. Credit of .50 given at the end of each semester.

GRADE LEVEL: 9 (required)

FEES: \$0

PREREQUISITE:

CREDIT: 1.0

LENGTH: Year

***Freshman English - Honors**

The purpose of Honors Studies in English is to offer motivated, capable, and interested students an opportunity to enrich their academic experience. This course offers a more rigorous integrated study in reading, writing, listening, and speaking. To further develop the students' skills in the communication process, the following aspects of language arts will be emphasized: critical reading, literacy terminology and analysis, writing process, grammar and syntax, informative and persuasive speaking and group discussion.

GRADE LEVEL: 9

FEES: Students will produce a writer's handbook

PREREQUISITE: Application and teacher's consent

CREDIT: 1.0

LENGTH: Year

Introduction to Human Communication

Whether at school, home, work, or in your personal relationships, good communication skills are critical for success. This class will explore some of the Principles of Human Communication in an effort to help you discover and hone your strengths as a communicator. Topics include, but are not limited to, Interpersonal/Intrapersonal Communication, Small Group Communication, Conflict Negotiation, Listening, Intercultural Communication, and Ethics and Communication.

GRADE LEVEL: 9-12

FEES: \$0

PREREQUISITE:

CREDIT: 0.25

LENGTH: Quarter

***Media & Journalism I**

Students will learn the foundations of effective and ethical Journalism and Digital Media Communications, including idea generation, research and interviewing, beginning photography and videography, writing and editing for journalistic style and accuracy, fact-checking and bias-checking, and proofreading and publishing.

Students will contribute as “cub reporters” to a digital school newspaper, as well as produce various other individual projects and products related to digital media publishing.

GRADE LEVEL: 10-12

FEES: \$75 (fees will be covered by MLO funds)

PREREQUISITE:

CREDIT: 0.25

LENGTH: Quarter

Media & Journalism II

This course will extend and develop the skills and concepts learned in Media & Journalism I as students create larger and more in-depth publications such as blogs, podcasts, infographics, photo essays, documentaries, etc. Students will learn advanced writing, editing, and graphic design skills, as well as techniques for growing their audiences and broadening the reach of their messages, while maintaining ethical social and public media practices. Students will take leadership roles as reporters and editors in producing the digital students newspaper, as well as produce more complex and in-depth personal projections. This course may be taken multiple times.

GRADE LEVEL: 10-12

FEES: \$75 (fees will be covered by MLO funds)

PREREQUISITE: Media & Journalism I

CREDIT: 0.25

LENGTH: Quarter

***Research & AI in Literature & Writing**

To deepen students’ understanding of Artificial Intelligence and the Human Condition, assignments will be tailored to the critical exploration and examination of the topic through a variety of media: fiction, non-fiction, film, comics, drama, visual arts, and poetry. The essential questions of this topical study are: How is artificial intelligence both a mirror and agent of change in thinking about what it means to be human? What can artificial intelligence reveal about us? What are possible ethical considerations in the development of artificial intelligence? Additionally, students will practice and strengthen research, reading, writing, and oral presentation skills through a variety of assignments and projects, including the Junior/Senior Thesis.

GRADE LEVEL: 11-12

FEES: \$50 pending Board approval (fees will be covered by MLO funds)

PREREQUISITE: Two years of high school English

CREDIT: 1.0

LENGTH: Year

***Research and Creative Writing**

Students will learn to utilize the tools and techniques of creative writing to produce short stories, poetry, memoir writing, autobiography, and dramas. Students will engage in daily in-class writing as well as produce formal pieces. Students will also read and discuss a variety of published pieces to study craft. Students will be encouraged to study aspects of their own lives in order to discover more about themselves through thoughtful observation, reflection and writing.

GRADE LEVEL: 11-12

FEES: \$0

PREREQUISITE: Two years high school English

CREDIT: 1.0

LENGTH: Year

***Research & Critical Reading & Thinking in the World of Superheroes**

As society’s entertainment, literature, and film increasingly focus on superheroes through the DC and the Marvel universes, it is valuable to explore the history, meaning, philosophy, and justice frameworks found in these stories. This course will critically examine and engage with this historically comic art form, connecting it to contemporary events, history, and literature. As a junior/senior English course, the class requires researched, argumentative writing; careful and close reading of a variety of texts; and the freedom to explore characters and themes that fascinate students, guiding them to engage with their complex world through approachable means.

GRADE LEVEL: 11-12

FEES: \$0

PREREQUISITE: Two years of high school English

CREDIT: 1.0

LENGTH: Year

***Research & Graphic Literature**

This course will strengthen visual and textual literacy skills through the study of graphic literature, discussions, extensive expository writing, public speaking, image and literary analysis, creative writing and vocabulary building. Students will learn essential comics and visual elements and how they convey meaning. Such emphasis will develop and hone necessary literacy and writing skills to prepare students for college and career success. The literature studied will be graphic novels, a variety of short comics (short stories and poetry), and graphic non-fiction comics, both short and novel-length.

GRADE LEVEL: 11-12

FEES: \$0

PREREQUISITE: Two years of high school English

CREDIT: 1.0

LENGTH: Year

***Research & Media Literacy**

This course will use TED Talks and other non-fiction resources and texts to present a wide variety of subject matter. Students will engage in a variety of research, synthesis, and writing projects.

GRADE LEVEL: 11-12

FEES: \$0

PREREQUISITE: Two years of high school English

CREDIT: 1.0

LENGTH: Year

***Research & Social Justice in Modern Literature**

Students will read a variety of fiction and non-fiction texts with an emphasis on contemporary American authors. This class will incorporate research, discussion, synthesis, formal composition, close reading, and analytical skills. The literature component of the course will rotate on a yearly basis as determined by the faculty.

GRADE LEVEL: 11-12

FEES: \$0

PREREQUISITE: Two years of high school English

CREDIT: 1.0

LENGTH: Year

Resource Literacy 101 & 201

Resource Literacy is a core replacement high school English class designed to meet the needs of students with IEPs who have English/Reading goals. Student learning will be structured to address individual reading and writing goals and may include: grammar, sentence structure, punctuation, capitalization, and paragraph structure. In addition, persuasive, explanatory, narrative and argumentative essays will be modeled and written by the students. Age appropriate literature will be read as a class, and individual level books will be read by individual students or with partners. Students may elect to take this class in addition to their core English class. These students will earn elective credit for the class. Freshmen will be placed in 101, and 201 is for sophomores, juniors and seniors.

GRADE LEVEL: 9-12

FEES: \$0

PREREQUISITE: Teacher Recommendation

CREDIT: 1.0

LENGTH: Year

***Senior English Composition**

Emphasizes the planning, writing, and revising of compositions, including the development of critical and logical thinking skills. This course introduces students to research strategies and skills. This course includes a minimum of five compositions that stress purpose, audience, and persuasive/argumentative writing, including the University High School Senior Thesis. Proficiency in essay writing is required for a passing grade.

Students may earn 6 dual enrollment credits from Aims Community College (ENG 1021, ENG 1022). Students must have a C or better in ENG 1021 before they will be admitted to ENG 1022. This course is a statewide guaranteed transfer course GT-CO1.

GRADE LEVEL: 12

FEES: \$0

PREREQUISITE: 3 year long English courses (C or better) and 2.80 GPA or above or Accuplacer – SS 95+ or SAT Rdg/Wrtg – 470+ or ACT English – 18+.

CREDIT: 1.0

LENGTH: Year

***Sophomore English**

This course will strengthen literacy skills through the study of contemporary world and American literature and discussion as well as extensive expository writing, literary analysis, creative writing and vocabulary building. This emphasis will develop and hone necessary literacy and writing skills to prepare students for college and career success. The literature studied will be the novel, poetry, drama and short and non-fiction.

GRADE LEVEL: 10 (required)

FEES: \$0

PREREQUISITE: Freshman English

CREDIT: 1.0

LENGTH: Year

***Sophomore English Honors**

The purpose of Honors Studies in English is to offer motivated, capable, and interested students an opportunity to enrich their academic experience. This honors course is a more rigorous, in-depth approach to strengthening literacy skills and discussion as well as extensive expository writing, literary analysis, creative writing and vocabulary building. This emphasis will develop and hone literacy and writing skills to prepare students for college and beyond. The world and American literature studied will be the novel, poetry, drama and short and non-fiction.

GRADE LEVEL: 10

FEES: \$0

PREREQUISITE: Freshman English, Application and Teacher Consent

CREDIT: 1.0

LENGTH: Year

Standardized Test Preparation (Reading and Writing)

Standardized Test Preparation is a course designed to prepare students to excel on the SAT test. The course will provide a review of reading, writing, and language topics found on the SAT exam, as well as focus on strategies for success when taking standardized tests.

GRADE LEVEL: 11-12

FEES: \$0

PREREQUISITE:

CREDIT: 0.25

LENGTH: Quarter

Mathematics MAT Credit

10784.36
5 × 9 ÷ 1
2.719372

***Advanced Placement Calculus**

Calculus is a full-year course in elementary functions and introductory calculus. Students who successfully complete this course will be well-prepared to take the Advanced Placement Calculus AB exam in order to place themselves in a second semester calculus course when they enter college. **Students may take the national AP exam (exam fee is approximately \$100) in May for possible college credit. Full payment is due in November.**

Students may earn 5 dual enrollment credits from Aims Community College (MAT 2410), and it is a state guaranteed transfer credit.

GRADE LEVEL: 10-12

FEES: \$0

PREREQUISITE: College Algebra & College Trigonometry

CREDIT: 1.0

LENGTH: Year

***Advanced Placement Statistics**

Statistics is another branch of mathematics that will challenge you to look at information differently. Rather than dividing polynomials, students will be looking at real world data, and drawing conclusions from this information. Students in AP Statistics are exposed to four broad conceptual themes: Exploring Data, Sampling and Experimentation, Anticipating Patterns, and Statistical Inference. Students will make use of data to observe patterns and departures from patterns. Under planning a study, students will develop a plan by deciding what and how to measure in order to collect valid information. Probability theory will allow students anticipate patterns and produce output under given models. Finally in statistical inferences, students will develop conclusions through hypotheses testing. AP Statistics is an activity-based course in which students will construct their own understanding of concepts through hands-on projects.

Students may take the national AP exam (exam fee is approximately \$100) in May for possible college credit. Full payment is due in November.

GRADE LEVEL: 10-12

FEES: \$0

PREREQUISITE: Algebra II corequisite

CREDIT: 1.0

LENGTH: Year

***Algebra A**

This year-long course is designed to delve into the first half of Algebra I curriculum. The Algebra A & B track is for students who typically struggle with the principles of math. While the rigor of this class is equal to Algebra I, the pace of the class is designed to provide students who struggle with math the foundation and time to be successful.

Algebra A would cover numbers, operations and expressions; manipulating and solving equations; graphing linear equations; systems of linear equations; solving and graphing linear inequalities and systems; and solving and graphing absolute value equations and inequalities.

GRADE LEVEL: 9

FEES: \$0

PREREQUISITE: Referral from math teacher, special educator, and/or counselor, and below average NWEA math score

CREDIT: 1.0

LENGTH: Year

***Algebra B**

This year-long course is designed to delve into the latter half of Algebra I curriculum. This course is a continuation of Algebra A. The Algebra A & B track is for students who typically struggle with the principles of

math. While the rigor of this class is equal to Algebra I, the pace of the class is designed to provide students who struggle with math the foundation and time to be successful.

Algebra B would cover graphing and evaluating linear functions; exponential functions, including exponential growth and decay; manipulating and factoring polynomials; graphing and solving quadratic equations; analyzing nonlinear functions; and data and statistical analysis.

GRADE LEVEL: 10

FEES: \$0

PREREQUISITE: Algebra A and/or Referral from math teacher, special educator, and/or counselor, and below average NWEA math score

CREDIT: 1.0

LENGTH: Year

***Algebra I**

This course will focus on topics such as writing, solving and graphing linear equations, inequalities, absolute values, and systems of linear equations, inequalities and absolute values. Students will also work with multiple representations of linear and exponential functions with a review of exponents, including exponential growth and decay. Operations on polynomials will be studied along with factoring and solving, particularly with quadratics. Transformations of quadratic equations and their graphs, and solving for zeros will be emphasized.

GRADE LEVEL: 9-12

FEES: \$0

PREREQUISITE:

CREDIT: 1.0

LENGTH: Year

***Algebra II**

This class focuses on representation and modeling, algorithms, and reasoning and communication. Students will learn how to explore functions in more depth, deal with exponential functions, take quadratics to the next step, work with linear systems and matrices, work with logarithms and inverse functions, apply more knowledge to polynomial functions and their properties, identify circular functions, apply trigonometric function properties and work with conics. Probability and statistics will also be addressed.

GRADE LEVEL: 9-12

FEES: \$0 (Required TI82/83/83Plus/84 Graphing Calculator)

PREREQUISITE: Geometry, or Geometry Corequisite with Teacher's Consent

CREDIT: 1.0

LENGTH: Year

***College Algebra**

Explores topics including intermediate algebra, equations, and inequalities, functions their graphs, exponential and logarithmic functions, linear and nonlinear systems, selection of topics from among graphing of the conic sections, binomial theorem theory of equations and operations with matrices.

Students may earn 4 dual enrollment credits from Aims Community College (MAT 1340), and it is a state guaranteed transfer course. This course is taught over 1 year or two semesters.

GRADE LEVEL: 9-12

FEES: \$0 – Reimburse school if grade less than "C"

PREREQUISITE: Algebra II (C or better) and 2.70 GPA or above

CREDIT: 1.0

LENGTH: Year

***College Algebra and College Trigonometry**

This course will consist of a semester of College Algebra and a semester of Trigonometry.

College Algebra

Explores topics including intermediate algebra, equations, and inequalities, functions their graphs, exponential and logarithmic functions, linear and nonlinear systems, selection of topics from among graphing of the conic sections, binomial theorem theory of equations and operations with matrices. This is the first semester of Pre-Calculus Honors. Must pass with a "C" or better to continue on to Trigonometry.

Trigonometry

Explores trigonometric functions, their graphs, inverse functions and identities. Topics include: trigonometric equations, solutions of triangles, trigonometric form of complex numbers, and polar coordinates. This course provides essential skills for Science, Technology, Engineering and Math (STEM) pathways. This is the second semester of Pre-Calculus Honors. Prerequisite: pass College Algebra with a "C" or better.

Students may earn 7 dual enrollment credits from Aims Community College (MAT 1340, MAT 1420), and both are state guaranteed transfer courses. Students must take this combination to be eligible to take Advanced Placement Calculus for dual enrollment credit through Aims.

GRADE LEVEL: 9-12

CREDIT: 1.5

FEES: \$0

LENGTH: Year

PREREQUISITE: Algebra II with a C or better and 2.70 GPA or above and Aims application if opting for college credit.

Consumer Math

Consumer math is a problem-solving math course. Students investigate applications of Algebra, Geometry, and Statistics & Data Analysis in real-life situations. Academic, professional, and personal mathematical practices are explored. Strategic thinking skills are developed as students analyze situations, use their conceptual skills, and reach appropriate solutions. Online research, facilitated discussions, and group presentations encourage students to share and extend their understanding of the role of mathematics in the world.

GRADE LEVEL: 12

CREDIT: 1.0

FEES: \$0

LENGTH: Year

PREREQUISITE: Must be a senior

*Data Science

Have you wondered how social media can predict what you want to watch? Do you know what happens to your data when Instagram sells it? This course will introduce students to the growing field of Data Science. We'll be looking at real-world information on a large scale, and drawing conclusions based on these data sets. This class is project based, and will introduce data analytics, sampling, bias, and uncertainty. This class is project based, and will introduce data analytics, sampling, bias, and uncertainty. Students will then generate models to support their positions.

GRADE LEVEL: 10-12

CREDIT: .50

FEES: \$0

LENGTH: Semester

PREREQUISITE: Geometry

*Fantasy Sports Statistics

If you ever watch a sport on TV you'll be flooded with seemingly random numbers that tell you which team is better or worse. How are these numbers generated? Do they actually matter? Can they be spun around to say any team is actually good when they are the worst performers?

Each week, work independently or in small groups to answer a question of your choosing by designing, completing, and presenting an investigative research project. Possible projects include writing a script for a sports news segment or creating a digital presentation that answers a question about an athlete's or team's performance.

GRADE LEVEL: 10-12

CREDIT: .25

FEES: \$0

LENGTH: Quarter

PREREQUISITE: Algebra I (recommended Mathematical Modeling with Programming)

Fundamentals of Accounting Honors

Accounting will help students learn business math, which is needed in everyday life and is used in any type of career. The course will also help those students who need math credit and those that would like to explore the consumer and business side of math. An Accounting class is 95% math and 5% theory. Financial literacy is a

need for students and a growing concern in society amongst teenagers. Introduces accounting fundamentals with emphasis on the procedures and practices used in business organizations. Major topics include the accounting cycle for service and merchandising companies, including end-of-period reporting. The complete accounting cycle will be covered using simulations and Excel software.

This course is considered math credit. Students may earn 3 dual enrollment credits from Aims Community College (ACC 1001 - Fundamentals of Accounting).

GRADE LEVEL: 10-12
FEES: \$0
PREREQUISITE: Algebra II

CREDIT: 1.0 Math
LENGTH: Year

***Geometry**

This class focuses on geometric properties, spatial visualization, conjecture, and explanation. Students will learn how to find perimeter and area, graph equations, work with proofs, use problem solving techniques, deal with spatial visualization problems, identify the properties of triangles, work with trigonometry, apply similarity, apply polygon properties as well as circles and solids.

GRADE LEVEL: 9-12
FEES: \$0
PREREQUISITE: Algebra I

CREDIT: 1.0
LENGTH: Year

***Honors Courses -- Geometry, Algebra II**

Honors courses are intended for students with a passion for mathematics or mathematics related fields. The Honors courses ensure students bound for Advanced Placement Calculus are prepared. Entry level skills and work habits should be very strong for students considering an Honors level course. Students must be academically motivated, disciplined and eager for the content challenge. The course will entail rigorous journals and competitive tests challenging student mathematical abilities. Students are expected to perform above and beyond in all aspects of the course.

GRADE LEVEL: 9-12
FEES: \$0 (TI83/83Plus/84/84Plus Graphing Calculator Required)
PREREQUISITE: Teacher Consent

CREDIT: 1.0 Math
LENGTH: Year

Independent Math Research

There are far more areas in mathematics than just the typical sequence of Algebra and Geometry. The goal of this course is to give the time, space, and support for students to learn and discover mathematical concepts that interest them, as well as, broaden the students' idea of what mathematics is. Throughout the quarter, students will work with their teacher on a well-defined research project. This open-ended exploration of a topic will continue throughout the quarter as the answers to the students' original questions will prompt new questions as well as connections between ideas. The topics in this course will vary depending on the students' interest, and previously completed courses. At the end of the quarter students will present their findings through a culminating paper, computational project, and/or presentation.

GRADE LEVEL: 9-12
FEES: \$0
PREREQUISITE: Algebra I

CREDIT: .25 Math
LENGTH: Quarter

Individualized Math Program (IMP)

This course is designed as an intervention for students who are struggling in their mainstream math class. It is not meant to replace a math course, but to accompany the course and allow the student extra time and tutoring to succeed. Students will use part of the class period to finish homework and journals. All other time will be spent on the ALEKS web-based mathematics program, which will be used to help students hone previous skills and fill in gaps in knowledge.

Students may only take IMP on a referral basis, through their current math teacher, special educator, or counselor. Elective credit will be awarded for this class. Exceptions for type of credit may be made for students on an individualized education plan.

GRADE LEVEL: 9-12

CREDIT: Variable

FEES: \$0

LENGTH: Variable

PREREQUISITE: Concurrent enrollment in other math class, referral from math teacher, special educator or counselor.

***Intro to Cryptology**

Cryptology is the study of the codes and ciphers used to create secret writing. This math course explores many early techniques in cryptology, such as cipher wheels, the Caesar shift, polyalphabetic substitution, and the Vigenere cipher, as well as modern techniques like RSA public key cryptography. You and your classmates will learn how data transmitted by computers can be secured with digital encryption, and how the vulnerabilities of each encryption system enable hackers to attack and decrypt messages using techniques such as frequency analysis and cribbing. You'll apply concepts while encrypting and decrypting your own secret messages. Though the course's central focus is on the mathematics of cryptology, you'll also learn the historical context of cryptography and cryptographic devices like the Enigma Machine—one of the most important cryptographic devices in history—so you develop a deep understanding of this branch of mathematics and its applications in the world.

GRADE LEVEL: 9-12

CREDIT: .25

FEES: \$0

LENGTH: Quarter

PREREQUISITE: Algebra I

***Mathematical Games and Diversions**

Math is often talked about as a subject that helps students with their problem solving ability. Unfortunately, students tend to see math as a collection of rules and algorithms to solve problems they do not care about. Amateur mathematicians have been making, solving, and playing mathematical games throughout history. This course brings that opportunity to our students in a classroom setting.

GRADE LEVEL: 9-12

CREDIT: .25

FEES: \$0

LENGTH: Quarter

PREREQUISITE: Algebra I

***Mathematical Models and Programming**

One of the primary goals of any science is to find patterns in data and build models to describe, predict, and extract insight from those patterns. This course provides an introduction to generating these models using computer programming. Some well known models include bar graphs, scatter plots, and pie charts. This class is designed with those who've never programmed before, but will still challenge those who have coded before. Coding will be done using the Python programming language, which is among the simplest languages to use. At the end of this class you will have a basic understanding of Python, and have several skills to develop unique and limitless scaled models.

GRADE LEVEL: 10-12

CREDIT: .25

FEES: \$0

LENGTH: Quarter

PREREQUISITE: Algebra I

Resource Math

This class is a core replacement high school math class designed to meet the needs of students who have an IEP with math goals. Student learning will be individualized to address their math goals. Some students may elect to take this class to support them in their core math class. These students will earn elective credit for the class.

GRADE LEVEL: 9-12

FEES: \$0

PREREQUISITE: Teacher Recommendation

CREDIT: 1.0

LENGTH: Year

Standardized Test Preparation (Math)

Standardized Test Preparation is a course designed to prepare students to excel on the SAT test. The course will provide a review of math topics found on the SAT exam, as well as focus on strategies for success when taking standardized tests.

GRADE LEVEL: 11-12

FEES: \$0

PREREQUISITE: Algebra II or Algebra II Corequisite

CREDIT: 0.25

LENGTH: Quarter

Science SCI Credit



**Advanced Placement Chemistry & Lab

AP chemistry is a full-year course in advanced general chemistry. Students who successfully complete this course will be well-prepared to take the Advanced Placement Chemistry test in order to place themselves in a second semester chemistry course when they enter college. Students will complete advanced labs using more advanced analytical equipment. Students must earn a "C" or better each term to continue in the course. Aims will access a lab fee that is not covered by University Schools. Fees will be used for chemicals, lab ware, lab kits. **Students may take the national AP exam (exam fee is approximately \$100) in May for possible college credit. Full payment is due in November.**

Students may earn 10 dual enrollment credits from Aims Community College (CHE 1111, 1112 - College Chemistry).

GRADE LEVEL: 11-12

CREDIT: 2.0

FEES: \$5 (fees will be covered by MLO funds)

LENGTH: Year

PREREQUISITE: Chemistry (one year of Chemistry with a grade of "C" or better) & teacher consent.

*Advanced Placement Computer Science

In this course you will first learn the tools of programming and the basic building blocks of computer science with topics including: control structures, primitive and class data types such as arrays, ArrayList and Strings, methods, and recursion. You will then learn how to manipulate data to create more sophisticated programs with topics including: class design, algorithm development and user-defined data types. This is a College Board-approved Advanced Placement Computer Science course. By the end of the course you will be prepared to take the AP Computer Science Exam. **Students may take the national AP exam (exam fee is approximately \$100) in May for possible college credit. Full payment is due in November.**

GRADE LEVEL: 10-12

CREDIT: 1.00

FEES: \$65 for AMPLIFY (fees will be covered by MLO funds)

LENGTH: Year

PREREQUISITE: Algebra II and Computer Science I or teacher approval

**Advanced Placement Physics

AP Physics is a full-year of advanced general physics. Students who have begun the journey through physics in the general physics or with the instructor's approval in Engineering II will choose to prepare for either the Physics B or Physics C exam. Students who successfully complete this course should be well equipped to attack the difficulties of college physics. Any student who is thinking of careers in engineering, math, physical science or medical sciences in the future should take this course. **Students may take the national AP exam (exam fee is approximately \$100) in May for possible college credit. Full payment is due in November.**

GRADE LEVEL: 11-12

CREDIT: 1.0

FEES: \$25 (fees will be covered by MLO funds)

LENGTH: Year

PREREQUISITE: Physics or with teacher consent

*Astronomy I

In astronomy, students increase understanding about our amazing universe and learn to make predictions about astronomical events. Using models will enable students to try out ideas. This course will capture the students' imaginations and introduce them to the fundamental ideas of Astronomy. The main concepts studied will be the moon's and sun's cycles, stellar evolution, star constellations, and the solar system. This is a lab oriented class in which the students will create astronomical journals and use the Starlab Planetarium. Fees are for supplies--consumable items, project supplies, & media supplies.

GRADE LEVEL: 9-12 (recommended 9-10)
FEES: \$24 (fees will be covered by MLO funds)
PREREQUISITE:

CREDIT: 0.5
LENGTH: Semester

***Astronomy II**

This class is an advanced exploration of higher level concepts in astronomy. Students will actively explore and discuss these concepts through research, computer software, internet, field experiences and videos. Fees will be used for observation facility fees, transportation, entrance fees, lab equipment and materials.

GRADE LEVEL: 9-12
FEES: \$30 (fees will be covered by MLO funds)
PREREQUISITE: Astronomy I

CREDIT: 0.5
LENGTH: Semester

***Botany**

Botany is the study of plants. Students will study the structure and function plants. Students will perform a variety of experiments with living plants independently and in groups. Students will grow seedling crop plants. Additional activities include planting trees to construct a windbreak. Fees will be used for plant hormones, seeds, consumable chemicals, seedling trees, soil, moss, hand shovels, gloves, and potting materials.

GRADE LEVEL: 10-12
FEES: \$60 (fees will be covered by MLO funds)
PREREQUISITE: Freshman Science I and II

CREDIT: 0.5
LENGTH: Semester

***Cellular Biology**

This course deals with the Biology of cells. Students will study the structure and function of cellular organelles, DNA, heredity, and microscopic life forms. Special emphasis will be given to the effects of disease on cellular processes. Fees will be used for petri dishes, agar, live organisms, and associated lab kits. This class is a prerequisite for AP Biology.

GRADE LEVEL: 11-12
FEES: \$60 (fees will be covered by MLO funds)
PREREQUISITE: Freshman Science I and II

CREDIT: 1.0
LENGTH: Year

***Chemistry**

This full year course mirrors the subject matter covered in an introductory chemistry course at a university. Student will be well prepared to succeed at the next level when successful in this course. A knowledge of basic algebra principles is required. The class fees are used to purchase lab equipment and chemicals.

GRADE LEVEL: 10-12
FEES: \$24 (fees will be covered by MLO funds)
PREREQUISITE: Algebra I with a "C" or better or Geometry

CREDIT: 1.0
LENGTH: Year

***Colorado Geology**

This one semester geologic science course will offer an exploration of Colorado rocks, minerals, fossils, landforms, geologic history and geologic hazards. We will use hands-on activities, field work and research to become better acquainted with the geologic wonders of Colorado. This will be an upper level science course available for 10th through 12th grade students. Fees will be used for hands on and field experiences.

GRADE LEVEL: 10-12
FEES: \$40 pending Board approval (fees will be covered by MLO funds)
PREREQUISITE: Freshman Science I

CREDIT: 0.5
LENGTH: Semester

***Colorado Natural Resources**

This one semester science course will offer an exploration of the following Colorado Natural Resources: Soils/Agriculture, Forestry, Minerals Resources, Parks and Wildlife as well as Water. We will use hands-on activities, media, field work and research to become better acquainted with the natural resources of Colorado. This will be an upper level science course available for 10th through 12th grade students. Fees will be used for hands on and field experiences.

GRADE LEVEL: 10-12

FEES: \$40 pending Board approval (fees will be covered by MLO funds)

PREREQUISITE: Colorado Geology

CREDIT: 0.5

LENGTH: Semester

Computer Science I (Java Script)

Computer Science I will introduce students to the principles of computer science and programming. Students will explore coding with Java Script as they learn the basics of programming in Java Script and go on to write their own Computer Games and computer simulations with that Language. Students may also learn how to embed their game into an HTML based format as well as beginning explorations with SQL data base programming. This is a really nice stepping stone to prepare students for AP Computer Science and familiarize them with coding that will be used in future jobs.

GRADE LEVEL: 9-12

FEES: \$0

PREREQUISITE:

CREDIT: 1.00

LENGTH: Year

Computer Science I (Python)

Computer Science I will introduce students to the principles of computer science and programming. In this section, students will explore coding using Python, and learn the fundamentals of coding using Python as the basis, but these skills can be used with any language. Students will be able to self-direct their learning through various modules offered in Python, including database management, cyber security, video games, and more. Near the end of the school year students will be exposed to other non-web based programming languages and be able to identify similarities between languages. This course will have students ready for AP Computer Science the following year.

GRADE LEVEL: 9-12

FEES: \$0

PREREQUISITE: Computer Applications, College & Career Prep, or consent of instructor

CREDIT: 1.00

LENGTH: Year

***Ecology**

This class is an analysis of the relationships and impact of animals, plants, and humans on ecological systems. Ecological concepts will be related to environmental issues. Students will do many group and independent experiments and projects. All students will submit an independent research project. Fees will be used for activities/lab supplies and field trips.

GRADE LEVEL: 10-12

FEES: \$40 pending Board approval (fees will be covered by MLO funds)

PREREQUISITE: Freshman Science I and II

CREDIT: 0.5

LENGTH: Semester

***Engineering I**

What do engineers do and why do they do it? In this course students will be introduced to the principles of electrical and computer engineering in an understandable hands-on way. Students will design and build electrical circuits and digital circuits. These principles and circuits are the basic components in any microprocessor or computer. This is a one-year course that will not only introduce students to these principles but also prepare them for Digital System Design, Introduction to Microprocessors, and VLSI System Design at Colorado State University or Associate Degree and Certification Programs at Front Range College. Fees will be used for wires, breadboards, analogue components and digital components of electrical circuitry

that students will be able to take home at the end of the course.

GRADE LEVEL: 9-12

FEES: \$35 (fees will be covered by MLO funds)

PREREQUISITE:

CREDIT: 1.0

LENGTH: Year

***Engineering II**

Students who enjoyed Engineering I will love this class. Students will be using a research base to demonstrate learning of new material that is applicable to any engineering field. Special projects show understanding of the material and how it applies to specific engineering disciplines. The course will use a level of physics tailored to each student as physics applies to almost all engineering disciplines. As students gain an understanding of physics concepts, they will apply these concepts to an engineering project. The projects may start out very simple but can quickly progress to more and more complex projects that will take students as far as the imagination will allow.

GRADE LEVEL: 10-12

FEES: \$48 (fees will be covered by MLO funds)

PREREQUISITE: Engineering I

CREDIT: 1.0

LENGTH: Year

***Freshman Science I**

This one semester course will give students an overview of the dynamic systems which create our Earth. Both the non-living (geologic, hydrologic, and atmospheric) and the living (biologic) components will be explored through the structural, functional, physical and chemical elements of the Earth Systems.

GRADE LEVEL: 9 required

FEES: \$40 pending Board approval (fees will be covered by MLO funds)

PREREQUISITE:

CREDIT: 0.5

LENGTH: Semester

***Freshman Science II**

This one semester course will give students an overview of the dynamic systems which create our Earth. This semester will focus on a survey of chemistry concepts and biology concepts.

GRADE LEVEL: 9 required

FEES: \$40 pending Board approval (fees will be covered by MLO funds)

PREREQUISITE:

CREDIT: 0.5

LENGTH: Semester

***Human Anatomy**

Human Anatomy is an introductory course, which emphasizes the relationship between body structure and function as well as a survey of all body systems. The laboratory portion includes microscopic study of tissue and selected dissections. This course is designed for individuals interested in health care and includes 40 hours lecture and 30 hours lab.

GRADE LEVEL: 11-12

FEES: \$30 (fees will be covered by MLO funds)

PREREQUISITE: Any Life Sciences Class

CREDIT: 1.0

LENGTH: Year

***Meteorology & Climate**

In our study of ever-changing and exciting weather patterns, we will investigate current weather maps through the use of the internet and television. Climate, past and future, its unique aspects, and its geographical controls will be explored. Each day we will observe conditions and collect data such as temperature, air pressure, precipitation, humidity, clouds, and winds. The students will conduct a wide variety of learning activities to help them understand the "why" and "how" of their environment. Fees will be used for activities-transportation; supplies-weather reporting instruments, project supplies & lab consumables.

GRADE LEVEL: 9-12
FEES: \$30 (fees will be covered by MLO funds)
PREREQUISITE:

CREDIT: 0.5
LENGTH: Semester

***Physics**

Explore the forces of nature and the limits of the universe. Topics include motion, energy, sound, light, and relativity. Hands-on activities are limited only by imagination and initiative. Topics will be explored conceptually and computationally. For students planning on any kind of college technical degree, such as engineering, science, or pre-med, this class is a must.

GRADE LEVEL: 10-12
FEES: \$40 (fees will be covered by MLO funds)
PREREQUISITE: Previous or concurrent enrollment in College Algebra and Trigonometry

CREDIT: 1.0
LENGTH: Year

***Zoology**

Zoology is a study of animals, and the similarities and differences among animal types. Students will review evolutionary adaptations and study comparative anatomy of several types of invertebrates and vertebrates. Students will dissect a variety of specimens including: earthworm, clam, crayfish or grasshopper, bony fish (perch), shark (dogfish), frog, and rat for the purpose of evolutionary adaptation and structures. Fees will be used for organisms, simulations, and dissecting safety equipment, and other supplemental course materials.

GRADE LEVEL: 9-12
FEES: \$60 (fees will be covered by MLO funds)
PREREQUISITE:

CREDIT: 0.50
LENGTH: Semester

Social Studies SOC Credit



***‡Advanced Placement Human Geography**

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to explore human social organization and its environmental consequences. Admission by application. **Students may take the national AP exam (exam fee is approximately \$100) in May for possible college credit. Full payment is due in November.**

GRADE LEVEL: 9-12

FEES: \$0

PREREQUISITE: C or better in previous semester of Social Studies

CREDIT: 1.00

LENGTH: Year

***‡Advanced Placement Psychology**

The Advanced Placement Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. **Students may take the national AP exam (exam fee is approximately \$100) in May for possible college credit. Full payment is due in November.**

GRADE LEVEL: 10-12

FEES: \$0

PREREQUISITE: Advisor approval

CREDIT: 1.00

LENGTH: Year

***‡Advanced Placement United States History**

This course is for those college-bound students who have an interest and desire to know and understand in-depth the story of the creation of the country we call the USA. Good writing, reading, and study skills are needed as well as a willingness to work at a high level of intensity. **Students may take the national AP exam (exam fee is approximately \$100) in May for possible college credit. Full payment is due in November.**

GRADE LEVEL: 10-12

FEES: \$0

PREREQUISITE: Application and Teacher Recommendation

CREDIT: 1.00

LENGTH: Year

***‡Advanced Placement World History**

The Advanced Placement World History course focuses on developing students' understanding of world history from approximately 8000 BC to the present. The course has students investigate the content of world history for significant events, individuals, developments, and processes in six historical periods, and develop and use the same thinking skills and methods employed by historians when they study the past. **Students may take the national AP exam (exam fee is approximately \$100) in May for possible college credit. Full payment is due in November.**

GRADE LEVEL: 11-12

FEES: \$0

PREREQUISITE: US History or AP US History

CREDIT: 1.00

LENGTH: Year

***American Government I**

The course provides students with a basic understanding of civic life, politics and government. The course will help students understand their own government, other political systems, and relationships of government in world affairs. This course will help students understand the rights and responsibilities expected of citizens.

GRADE LEVEL: 9 required
FEES: \$0
PREREQUISITE:

CREDIT: 0.25
LENGTH: Quarter

***American Government II**

The course provides students with a basic understanding of civic life, politics and government. The course will help students understand their own government, other political systems, and relationships of government in world affairs. This course will help students understand the rights and responsibilities expected of citizens.

GRADE LEVEL: 9 required
FEES: \$0
PREREQUISITE:

CREDIT: 0.25
LENGTH: Quarter

American Revolution in Pop Culture

This course will explore how historical events are portrayed in contemporary artistic media, including (but not limited to) *Hamilton, the Musical* and the tv series *Turn*. It will incorporate studies of history, poetry, and media studies.

GRADE LEVEL: 10-12
FEES: \$0
PREREQUISITE: pre/corequisite US History

CREDIT: 0.25
LENGTH: Quarter

Brain Behavior

Students will learn how a variety of factors affect the functions, behaviors, and changes in the human brain. Students will conduct activities individually and in groups, and will learn through prepared curriculum as well as independent research. Anatomy and/or Psychology are recommended prerequisites.

GRADE LEVEL: 10-12
FEES: \$0
PREREQUISITE: Any Biology Class / See descriptions

CREDIT: 0.25
LENGTH: Quarter

***The Civil War**

This course will teach students about the causes, fighting, and effects of the American Civil War. Special emphasis will be placed on the importance of the Civil War to American history and the legacy of the Civil War on America today.

GRADE LEVEL: 10-12
FEES: \$0
PREREQUISITE: United States History I and II

CREDIT: 0.25
LENGTH: Quarter

***Current Events**

There's no time to learn like the present. This class will focus its attention on local, national and international affairs. There will be daily readings and discussions on what impacts our lives as the events happen.

GRADE LEVEL: 11-12
FEES: \$0
PREREQUISITE:

CREDIT: 0.25
LENGTH: Quarter

***Economics**

This course will present a framework used to study economics and personal financial literacy. In addition, the American economic system, other types of economic systems, their function and their effects around the world will be discussed. The course brings into focus microeconomics and macroeconomics and will assist the student in the processes of individual (personal financial literacy) and global decision-making.

GRADE LEVEL: 12
FEES: \$0
PREREQUISITE:

CREDIT: 0.25
LENGTH: Quarter

***Global Conflicts of 20th Century: World War I & II**

Global Conflicts will examine the root causes and effects of World War I, II, and the Cold War. Students will learn about the social, economic and political causes as well as the conflicts themselves.

GRADE LEVEL: 11-12

FEES: \$0

PREREQUISITE: *United States History or World History*

CREDIT: 0.25

LENGTH: Quarter

***Global Geography I**

Students will become familiar with all the different places in the world and understand that geography isn't the study of maps and borders, but the study of humans and their interaction with the world. The class will dive into topics that include population, culture, and industry and will conflicts spurred on by geo-political disputes.

GRADE LEVEL: 9 required

FEES: \$0

PREREQUISITE:

CREDIT: 0.25

LENGTH: Quarter

***Global Geography II**

Students will continue to become familiar with all the different places in the world and understand that geography isn't the study of maps and borders, but the study of humans and their interactions with the world. The class will dive into topics that include population, culture, industry, and conflicts spurred on by geo-political disputes.

GRADE LEVEL: 9 required

FEES: \$0

PREREQUISITE:

CREDIT: 0.25

LENGTH: Quarter

Hands on History through Art, Dioramas, and Games

Students will be able to explore topics in history through hands-on projects and games. Students will pick topics from history, research the topics, and create hands-on projects (artwork, models, dioramas, etc.) as well as participate in realistic historical simulations.

GRADE LEVEL: 10-12

FEES: \$0

PREREQUISITE: *Concurrent enrollment in US History or World History*

CREDIT: 0.25

LENGTH: Quarter

History of American Film

Students will trace the development of American film and explore how this medium has influenced American society, history, and culture over the past century. Students will learn about genre and the film maker's use of frame and composition. Class format will consist of film viewing while employing a variety of communication skills to analyze, discuss and review film content and its components.

GRADE LEVEL: 11-12

FEES: \$5 (fees will be covered by MLO funds)

PREREQUISITE: *Freshman English and Sophomore English*

CREDIT: 0.25

LENGTH: Quarter

History of Games

This course will explore games from their earliest forms thousands of years ago to the modern era. Students will learn how games had cultural, religious, political, economic, and educational purposes and how they continue to play an important role in society today. Students will also learn about game strategy, style, and taxonomy.

GRADE LEVEL: 9-12

FEES: \$10 (fees will be covered by MLO funds)

PREREQUISITE:

CREDIT: 0.25

LENGTH: Quarter

History of Rock and Roll

Music has always been influential in the development of America. Slaves' sorrow songs, folk music, and jazz led to the creation of a new form of music that exploded in your parents' lifetime, and continues to impact society today. This class will look at the development of rock and roll. Through early rhythm and blues, various British Invasions, the hippie movement, and today's hip hop generation, music has changed the face—and history—of America, including the women's and civil rights movements, antiwar protests, and today's "Rock and Roll Presidents."

GRADE LEVEL: 12

FEES: \$5 (fees will be covered by MLO funds)

PREREQUISITE: United States History I, II, III and IV

CREDIT: 0.25

LENGTH: Quarter

Intro to Philosophy

Introduces significant theoretical and practical questions and emphasizes understanding the meaning and methods of philosophy. Includes: the human condition, logic, reality, knowledge, freedom, history, ethics, and religion.

Students may earn 3 dual enrollment credits from Aims Community College (PHI 1011), and it is a state guaranteed transfer credit.

GRADE LEVEL: 11-12

FEES: \$0

PREREQUISITE:

CREDIT: 0.5

LENGTH: Semester

Law & Legal Foundations

This course is designed to give students a better understanding of legal principles that impact our everyday lives. Topics will look at criminal law, civil law, constitutional rights, and the general court system.

GRADE LEVEL: 10-12

FEES: \$0

PREREQUISITE:

CREDIT: 0.25

LENGTH: Quarter

Law & Legal Trial

This course is designed to allow students to engage in our legal system. The entire course is centered around exploring what it is like to work/participate in the legal system. Primarily from a lawyer's perspective. The course will include several mock trials for students to engage with cases.

GRADE LEVEL: 10-12

FEES: \$0

PREREQUISITE:

CREDIT: 0.25

LENGTH: Quarter

Origins of Pop

Origins of Pop is a tour through the history of pop music – from its beginnings in blues and rock and roll, through The Beatles, Guns 'N Roses, Green Day, Nelly, Katie Perry, Fall Out Boy, and more! This class is all about learning how musicians influenced one another, and learning to actively listen to the music that happens around us every day!

GRADE LEVEL: 9-12

FEES: \$0

PREREQUISITE:

CREDIT: 0.25

LENGTH: Quarter

***Philosophy and Ethics**

This course is a brief introduction to philosophy and critical thinking, with an emphasis in ethics. Students will learn to construct arguments with appropriate logic, deconstruct arguments, and identify logical fallacies. Students will also encounter and discuss several well known ethical questions, and be able to apply different

ethical theories.

GRADE LEVEL: 11-12
FEES: \$0
PREREQUISITE: Geometry

CREDIT: 0.25
LENGTH: Quarter

***Psychology**

This course will focus on concepts related to sensation and perception, learning and conditioning, life stage development, thinking processes, creativity, emotions and motivation, personality theories, abnormal behaviors, and treatments. Students will participate in discussions, research readings, demonstrations, limited experiments, and written and oral presentations.

GRADE LEVEL: 10-12
FEES: \$0
PREREQUISITE:

CREDIT: 0.25
LENGTH: Quarter

^{np}United States History I: 1607-1800

Students will have opportunities to learn about the origins of the United States of America, the causes and effects of the Revolutionary War, and the establishment of the Constitution. Activities will help students work toward meeting Colorado and national history standards.

GRADE LEVEL: 10 required
FEES: \$0
PREREQUISITE:

CREDIT: 0.25
LENGTH: Quarter

***United States History II: 1800-1865**

Students will have opportunities to learn about the development of the nation starting with manifest destiny through the Civil War. They will also study immigration patterns, political and social changes, and the conflict the country experienced during the Civil War. Activities will help students work toward meeting Colorado and national history standards.

GRADE LEVEL: 10 required
FEES: \$0
PREREQUISITE:

CREDIT: 0.25
LENGTH: Quarter

***United States History III: 1865-1918**

Students will have opportunities to learn about the country's changes from reconstruction through the prosperity of the 1920s. They will also study new immigration patterns, political and social changes, and the expansion of the U.S. into a world power beginning in the 1890s and culminating with American participation in WWI. Activities will help students work toward meeting Colorado and national history standards.

GRADE LEVEL: 10 required
FEES: \$0
PREREQUISITE:

CREDIT: 0.25
LENGTH: Quarter

^{np}United States History IV: 1918-1975

Students will learn about the drastic social, political, and economic changes that occurred between WWI and the Cold War. This includes the Great Depression, WWII, and American involvement in foreign relations. Activities and projects will help students work toward meeting Colorado and national history standards.

GRADE LEVEL: 10 required
FEES: \$0
PREREQUISITE:

CREDIT: 0.25
LENGTH: Quarter

***The Vietnam War & Beyond**

The Vietnam War era was one of the most tumultuous eras in American History. This course will examine the background, fighting, and consequences of the Vietnam War with particular emphasis on the legacy of the Vietnam conflict on Americans today. The course is designed to fill in the gaps not covered in traditional American History.

GRADE LEVEL: 10-12

FEES: \$0

PREREQUISITE: United States History I, II and III

CREDIT: 0.25

LENGTH: Quarter

***World History I: Ancient World**

This course will study the rise of ancient civilizations and explore the transition into the dominant Greek and Roman societies, the collapse of the Roman Empire, as well as the changing landscape of major world religions. Activities will help students work toward meeting Colorado and national history standards.

GRADE LEVEL: 11 required

FEES: \$0

PREREQUISITE:

CREDIT: 0.25

LENGTH: Quarter

***World History II: Medieval Europe/Renaissance**

Students will examine the wide-ranging effects of the Middle Ages across Europe, including feudalism, the rise of national monarchies, and cultural and religious conflicts. We will also look at how the relative cultural stagnation of the Middle Ages led to the flourishing Renaissance and the clash of the Protestant Reformation; culminating in the French Revolution. Activities will help students work toward meeting Colorado and national history standards.

GRADE LEVEL: 11 required

FEES: \$0

PREREQUISITE:

CREDIT: 0.25

LENGTH: Quarter

***World History III: Industrialization**

Students will explore the age of European exploration and expansion that laid the basis for the contemporary world geographically and the Industrial Revolution that gave rise to the more technologically advanced modern economic world. Activities will help students work toward meeting Colorado and national history standards.

GRADE LEVEL: 11 required

FEES: \$0

PREREQUISITE:

CREDIT: 0.25

LENGTH: Quarter

***World History IV: Modern World**

This course explores topics including World War I and II, the Cold War, and scientific and technological developments that will help highlight the globalized and interconnected relationships forged in the 19th and 20th centuries. Understanding of this period of world history provides the basis for coming to terms with both the present and future. Activities will help students work toward meeting Colorado and national history standards.

GRADE LEVEL: 11 required

FEES: \$0

PREREQUISITE:

CREDIT: 0.25

LENGTH: Quarter



Career and Technical Education CTE Credit (CTE & HSB courses)

Includes Business, Technology, Catering, and Family and Consumer Sciences

Career Exploration

Have you thought about what you'd like to do "when you grow up?" Have you thought about your interests, skills, and abilities, and how they might relate to jobs? Are the high school classes that you are taking helping you move toward a career? The Career Exploration class can help you answer these and other questions that will become more important as you get closer to high school graduation. Class activities include interest and skills assessments, computer assisted assessments, college and trade school research and career research. Guest speakers from a variety of career paths will visit the class and share their experiences. This class can be very helpful for those who are uncertain about what career path they might follow or who want to gain more insight into themselves as employees. An online portfolio will be utilized to organize your research.

****The course is meant for students who have already taken the Computer Applications class.***

GRADE LEVEL: 10-12 (required*)

FEES: \$0

PREREQUISITE:

CREDIT: 0.25

LENGTH: Quarter

Catering

This semester program is designed for students with career interests in the food industry as well as owning their own catering business. The purpose of this course is to develop professional skills in food preparation and production, safety and sanitation, knife skills, menu planning, and entrepreneurship. Students will explore career opportunities while examining flavor profiles, food presentation techniques, and prepping events all while gaining confidence in the kitchen. This is a rigorous course with hands-on learning almost everyday, excellent daily attendance and work ethic is imperative and expected. Be prepared to take your cooking skills to the next level with judged *Food Network* simulated competitions like *Chopped* and *Cupcake Wars*!

GRADE LEVEL: 11-12

FEES: \$75 (fees will be covered by MLO funds)

PREREQUISITE:

CREDIT: 0.50

LENGTH: Semester

Child and Adolescent Development Part I and II

The purpose of this course is to acquire knowledge and understanding of child and adolescent development necessary for strengthening the well-being of children and families. Content focuses on perspectives of human development, research and theories, understanding and nurturing development, and challenges to development.

The curriculum includes units on the decision to parent, prenatal care, childbirth, postnatal care, neonatal (new baby) care, and safety. Students get first hand experience caring for a baby by parenting an infant simulator baby for 3 days.

The curriculum includes units on the decision to parent, prenatal care, childbirth, postnatal care, neonatal (new baby) care, and safety. Students get first hand experience caring for a baby by parenting an infant simulator baby for 3 days. Following the child development section of the course, students will dive into adolescent development. This unit of study includes looking at teen psychology, adolescent influence factors, and the impact of parenting styles on teen behavior.

GRADE LEVEL: 10-12

FEES: \$50 (fees will be covered by MLO funds)

PREREQUISITE:

CREDIT: 0.50

LENGTH: Semester

College and Career Prep

This class will help students in planning for their college and/or career path after high school. Class activities will include skills and interest assessments, college and trade school research and career research and exploration through activities, guest speakers and virtual job shadows. This class is very helpful in preparing students for post-secondary and/or career paths they may want to learn more about or start prepping for while still in high school. This class will also include an introduction to the Microsoft Office Suite which is standardly used in the business world. Students will learn Word, Excel, PowerPoint and Access as it exists in a business setting. This class will provide next step options for those who will continue as students, employees or entrepreneurs after graduations. An online portfolio will be used to organize your research.

****This class is required for students who have NOT taken Computer Applications or Career Exploration.***

GRADE LEVEL: 10-12 (required)*

FEES: \$15 (fees will be covered by MLO funds)

PREREQUISITE:

CREDIT: 0.50

LENGTH: Semester

Computer Applications

This beginning class introduces computer applications such as word processing (WORD), spreadsheets (EXCEL), presentation software (POWERPOINT), and databases (ACCESS) by utilizing the Microsoft Office Suite. While learning the basics of these applications, students will practice keyboarding skill development.

****The course is meant for students who have already taken the Career Exploration class.***

GRADE LEVEL: 10-12 (required)*

FEES: \$15 (fees will be covered by MLO funds)

PREREQUISITE:

CREDIT: 0.25

LENGTH: Semester

Desktop Publishing

Have you ever wanted to create a dynamic poster, flyer, greeting card or brochure and didn't know how to start? The Desktop Publishing course will help students create those dynamic publications using Microsoft Word and Microsoft Publisher. This class is an in-depth approach to desktop publishing for students who already know how to do word processing. Desktop Publishing provides skills for the future and helps students gain skills to enhance career opportunities. This is a fun, innovative class that allows the student to mix creativity and technology.

GRADE LEVEL: 10-12

FEES: \$0

PREREQUISITE: Computer Applications or College and Career Preparation

CREDIT: 0.25

LENGTH: Quarter

Fashion Design and Merchandising

The purpose of this course is to expose students to various aspects of the fashion design and merchandising industry. Students integrate knowledge, skills, and practices to evaluate potential career opportunities. Emphasis is placed on an introduction to fashion, fashion and textile selection, product construction and fashion merchandising. Get ready to showcase your ideas and creations through school Fashion Shows!

GRADE LEVEL: 10-12

FEES: \$25 (fees will be covered by MLO funds)

PREREQUISITE:

CREDIT: 0.50

LENGTH: Semester

Fundamentals of Accounting Honors

Accounting will help students learn business math, which is needed in everyday life and is used in any type of career. The course will also help those students who need math credit and those that would like to explore the consumer and business side of math. An Accounting class is 95% math and 5% theory. Financial literacy is a need for students and a growing concern in society amongst teenagers. Introduces accounting fundamentals

with emphasis on the procedures and practices used in business organizations. Major topics include the accounting cycle for service and merchandising companies, including end-of-period reporting. The complete accounting cycle will be covered using simulations and Excel software.

This course is considered math credit. Students may earn 3 dual enrollment credits from Aims Community College (ACC 1001 - Fundamentals of Accounting). If the student does not pass with a "C" or higher or withdraws from the course, the student and parent/guardian are required to reimburse the school for the tuition.

GRADE LEVEL: 10-12
FEES: \$0
PREREQUISITE: Algebra II

CREDIT: 1.0
LENGTH: Year

Hospitality and Tourism

This course introduces students to the exciting world of hospitality and tourism. This is one of the fastest growing industries today, encompassing several segments including hotels, food service, travel and tourism, and conventions and meetings. Students will learn about various career opportunities in the hospitality and tourism field. This class will collaborate on projects related to the industry and include the marketing part of the industry.

GRADE LEVEL: 9-12
FEES: \$0
PREREQUISITE:

CREDIT: 0.25
LENGTH: Quarter

Housing & Interior Design

Introduces students to the concepts of living environments throughout the world with a focus on the United States. Past and future housing is explored, but practical experience with today's living possibilities is stressed. Personal and psychological needs are examined. Students will learn about various types of housing units available, along with architectural styles, floor plans, color, furniture styles, construction and arrangement. Skills in this project-based class will be applicable to both personal life and a potential career in home design.

GRADE LEVEL: 9-12
FEES: \$0
PREREQUISITE:

CREDIT: 0.50
LENGTH: Semester

Interpersonal Relationships

The purpose of the course is to acquire academic knowledge and understanding for healthy, respectful, and caring relationships across the life span. Emphasis is placed on family and friend dynamics, effective communication, research-based learning of healthy interpersonal relationships.

GRADE LEVEL: 9-12
FEES: \$0
PREREQUISITE:

CREDIT: 0.25
LENGTH: Quarter

Leadership

This project-based leadership course develops student understanding and skills in areas such as communication skills, emotional intelligence, operations, and professional development. Students acquire an understanding and appreciation of the need for leadership skills. The capstone activity of the course is the implementation of a service-learning project. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Formal reflection is an on-going component of the course.

GRADE LEVEL: 9-12
FEES: \$0
PREREQUISITE:

CREDIT: 0.50
LENGTH: Semester

Life Management

Students will develop decision-making skills to become educated consumers with an understanding and academic knowledge of consumer resources and financial organizations. The course focuses on personal and family resources, job and career, personal and family finances, and wellness. (Relevant topics include: independent living, healthy lifestyles, career research and job portfolios, personal financial literacy, investments, credit, insurance, leasing vs. purchasing of autos and homes.)

GRADE LEVEL: 10-12

FEES: \$15 (fees will be covered by MLO funds)

PREREQUISITE:

CREDIT: 0.50

LENGTH: Semester

Nutrition and Wellness

The purpose of the course is to develop lifelong, healthy individuals with an understanding and academic knowledge of lifestyle choices in nutrition, fitness, consumerism, and overall wellness. Emphasis is placed on implementing an in-depth understanding of healthy and nutritional guidelines for each individual. Students will also gain a proficient understanding of the core factors that influence their overall well-being such as stress management, sleep, and physical activity. This project-based class will help students' relationship with both their nutritional and personal wellness habits.

GRADE LEVEL: 9-12

FEES: \$10 (fees will be covered by MLO funds)

PREREQUISITE:

CREDIT: 0.25

LENGTH: Quarter

Robotics I

During this class students will explore the field of robotic design using a variety of hands-on activities. Students begin the semester with an introduction to basic history and theory of robotics, the engineering process and tools and processes used to create robotic devices. Moving forward programming becomes an essential and vital element. Students program the onboard micro-processor using the inherent programming language and/or block coding. Students work individually and in teams to design and build simple drive trains capable of meeting a variety of criteria including climbing, pushing, and attaining maximum speed, etc. Sensors are introduced to allow robotic devices to interact with the environment. Robot locomotion, sensing and actuation will be explored extensively. Student will complete a final capstone project which solves a specific application challenge.

GRADE LEVEL: 9-12

FEES: \$0

PREREQUISITE:

CREDIT: 0.5

LENGTH: Semester

School Based Enterprise (SBE)

This school-based enterprise (SBE) is an entrepreneurial operation in a school setting that provides goods/services to meet the needs of the market. SBEs are managed and operated by students as a hands-on learning opportunity. During this class, students will run a school store making apparel and various products for consumers, operate a laser printer, use a heat press, inventory management, bookkeeping, customer service, marketing and business operations. (Quarters 2, 3 and 4 can be any block during the day working in the SBE/school store classroom)

GRADE LEVEL: 10-12

FEES: \$0

PREREQUISITE: School Based Enterprise and Work Based Learning Training

CREDIT: 0.25

LENGTH: Quarter

School Based Enterprise (SBE) and Work Based Learning (WBL) Training

This school-based enterprise (SBE) is an entrepreneurial operation in a school setting that provides goods/services to meet the needs of the market. SBEs are managed and operated by students as a hands-on

learning opportunity. During this class, students will learn how to run a school store making apparel and various products for consumers, learn how to operate a laser printer, use a heat press, learn inventory management, bookkeeping, customer service, marketing and business operations. (Quarters 2, 3 and 4 can be any block during the day working in the SBE/school store classroom)

GRADE LEVEL: 10-12

FEES: \$0

PREREQUISITE: Application and interview

CREDIT: 0.25

LENGTH: Quarter

Senior Strategies

The transition to adulthood can be hard! Senior Strategies with Ms. Holmberg is a crash-course in everything kids need to know before leaving UHS. No matter where your path takes you after high school, whether it's college, trade school, military service or the workforce, this fun and fast pace course will allow students to practice the skills all employers look for and self-management skills needed to thrive after high school. Senior Strategies will provide time and instruction for students to identify and practice employability skills as well as address common challenges as they transition into adulthood. This student-centered course includes units on life skills including: organization, planning and study skills, health and hygiene, substance-use, dorm life, and more. Speakers from the community, technology and research lessons are used to explore topics such as careers, affordable housing, budgeting, credit use, reaching financial goals, making major purchases and roommate issues. Students will also practice easy and practical dorm-room recipes for college!

GRADE LEVEL: 12

FEES: \$0

PREREQUISITE:

CREDIT: 0.50

LENGTH: Semester

Sports and Entertainment

Explore the intriguing world of sports and entertainment from the perspective of managing and marketing events. Fans and companies spend billions of dollars each year on sports. The areas this course will cover include the concept of sports and entertainment, management of college and amateur sports, professional sports, organization of sports teams, managing professional events and career opportunities within the sports and entertainment industry. The course will also look at marketing and how it affects the outcome of an event. Learning activities will include simulations, current and real-life events, individual and group projects and presentations.

GRADE LEVEL: 9-12

FEES: \$0

PREREQUISITE:

CREDIT: 0.25

LENGTH: Quarter

Unmanned Aerial Systems I

This course introduces and develops flight control and piloting techniques for common Unmanned Aerial Systems (UAS). Students will learn and demonstrate maneuvers, procedures, and best practices for safe UAS operation on fixed wing and rotary wing drones. Students will also be exposed to the beginning stages of designing fixed wing and rotor wing drones. This course will also develop the skills and knowledge to prepare students to take the FAA Part 107 – Small Unmanned Aerial Systems Certificate exam.

Students may earn 3 dual enrollment credits from Aims Community College (UAS 1055 – Flight Training).

GRADE LEVEL: 11-12 CREDIT: 1.00

FEES: \$0

PREREQUISITE: Engineering I and Meteorology & Climate

LENGTH: Year

Wealth Management

This project-based financial literacy course develops student understanding and skills in such areas as economic decision-making, time value of money, financial management, and types of investments. Students

acquire an understanding and appreciation of the need for personal financial management and investing. The course content is sequenced for students to develop a full understanding of their role and responsibility in their financial future. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills.

GRADE LEVEL: 9-12

FEES: \$0

PREREQUISITE:

CREDIT: 0.50

LENGTH: Semester

Work Based Learning

The Work Based Learning course is an opportunity for students to receive credit for time spent at a paid job or internship. Students will be supervised by the instructor who will work with the employer to evaluate student progress. There will be an employer/supervisor evaluation conducted twice a quarter. Students must have a job or internship prior to the start of the class and an agreement will be signed by themselves, their parent/guardian and their supervisor at work. Hours requirements are as follows: .25 credit = minimum of 50 hours/quarter. Hours must be verified by the employer, and students can earn a maximum of .25 credits per quarter. Students will receive an E/S/U grade for this course.

GRADE LEVEL: 11-12

FEES: \$0

PREREQUISITE: School Based Enterprise (SBE) and Work Based Learning (WBL) Training

Student must be employed and they must have an agreement signed by themselves, parents/guardian, and their supervisor at work. They must also provide their own transportation.

CREDIT: 0.25

LENGTH: Quarter

High School of Business Courses

Students who are interested in taking the Business Pathway or the entire sequence of the High School of Business program courses are encouraged to take the courses in order as follows:

Principles of Business Honors
Business Economics Honors
Principles of Management Honors
Principles of Marketing Honors
Principles of Finance Honors
Business Strategies Honors

Principles of Business Honors

This project-based business course develops student understanding and skills in such areas as business law, economics, financial analysis, human resources management, information management, marketing, operations, and strategic management. Through the use of projects, students acquire an understanding and appreciation of the business world. They develop a business analysis report, conduct an environmental scan of the local business community, and investigate business activities. Current technology will be used to acquire information and to complete the projects. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Formal reflection is an on-going component of the course.

Students may receive 3 dual enrollment credits from Aims Community College (BUS 1015-Principles of Business) If the student does not pass with a "C" or higher or withdraws from the course, the student and parent/guardian are required to reimburse the school for the tuition.

GRADE LEVEL: 9-12

FEES: \$0

PREREQUISITE:

CREDIT: 0.50

LENGTH: Semester

Business Economics Honors

This project-based business course develops student understanding and skills in areas such as economics, entrepreneurship, operations, and professional development. Through the use of seven projects, students acquire an understanding and appreciation of economic decision-making in the business world as well as augmenting their knowledge of entrepreneurial contributions. Current technology will be used to acquire information and to complete the projects. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills.

GRADE LEVEL: 9-12

FEES: \$0

PREREQUISITE:

CREDIT: 0.50

LENGTH: Semester

Principles of Management Honors

Principles of Management furthers student understanding of management through individual and team activities all while learning project based learning, students make connections between management and business success. Students acquire an understanding of legal and ethical issues associated with management; initiate, plan, implement and control, and close a project; motivate team members; delegate work; develop a chain of command; coordinate work efforts; and interpret statistical findings.

Students may receive 3 dual enrollment credits from Aims Community College (MAN 2026-Principles of Management) If the student does not pass with a "C" or higher or withdraws from the course, the student and parent/guardian are required to reimburse the school for the tuition.

GRADE LEVEL: 9-12

FEES: \$0

PREREQUISITE:

CREDIT: 0.50

LENGTH: Semester

Principles of Marketing Honors

This project-based business course develops student understanding and skills in such areas as channel management, marketing-information management, market planning, pricing, product/service management, social media marketing, promotion, and selling. Through the use of projects, students acquire an understanding and appreciation of marketing activities. Current technology will be used to acquire information and to complete the projects. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills.

Students may receive 3 dual enrollment credits from Aims Community College (MAR 2016 - Principles of Marketing) If the student does not pass with a "C" or higher or withdraws from the course, the student and parent/guardian are required to reimburse the school for the tuition.

GRADE LEVEL: 10-12

FEES: \$0

PREREQUISITE:

CREDIT: 0.50

LENGTH: Semester

Principles of Finance Honors

Principles of Finance furthers student understanding of two specific business activities—accounting and finance—that were introduced in an earlier High School of Business™ course, *Principles of Business*. Through multiple projects, students make connections between accounting, with an emphasis on cash flow, and finance, with an emphasis on decision-making. Students will acquire an understanding of financial statements, calculate financial ratios, and make business decisions based on their interpretation of those financial statements and ratios. In addition, students determine the impact of financial transactions on the accounting equation and examine business-financial options.

GRADE LEVEL: 10-12

FEES: \$0

PREREQUISITE:

CREDIT: 0.50

LENGTH: Semester

Business Strategies Honors

In this course you will write a business plan for your own business. Along the way you'll find out how the areas of a company (marketing, finance, management, etc.) work together. By planning, organizing, staffing, directing, leading, and controlling business activities, students acquire a realistic understanding of what is required to open and successfully run a business. They conduct situational, market, and competitive analyses; select a target market and develop a business plan. Throughout the course, students make decisions and use problem-solving skills.

Students may receive 3 dual enrollment credits from Aims Community College (MAN 2016 - Small Business Management) If the student does not pass with a "C" or higher or withdraws from the course, the student and parent/guardian are required to reimburse the school for the tuition.

GRADE LEVEL: 10-12

FEES: \$0

PREREQUISITE:

CREDIT: 0.50

LENGTH: Semester



Fine Arts FIN Credit (FIN & ART courses)



3D Printing and Design I

This course will be an introduction to the world of 3D design and 3D printing. Elements of design will be explored, using Tinkercad and Leopoly as the primary design software. Students will also learn the hardware components of a 3D printer, and will learn the basics of creating files that 3D printers can use, and investigate settings for successful prints.

GRADE LEVEL: 9-12

FEES: \$15 (fees will be covered by MLO funds)

PREREQUISITE: Intro to Art

CREDIT: 0.25

LENGTH: Quarter

3D Printing and Design II

This course will be an intermediate course in 3D design and printing, where students will use functional CAD software such as Fusion360 and Shaper3D to create fun and useful solutions for a variety of design projects. Students will also be able to diagnose and fix common issues with 3D printers, for the purpose of making 3D printed objects using additive manufacturing.

GRADE LEVEL: 9-12

FEES: \$15 (fees will be covered by MLO funds)

PREREQUISITE: 3D Printing and Design I

CREDIT: 0.25

LENGTH: Quarter

Acting I

This course is designed to introduce the student to the basic techniques of acting-these include Goal and Obstacle, Tactics, and Choices. We will also explore Voice techniques, Diaphragm Breathing, Projection, and Memorization. The class will culminate in the actor preparing a final performance piece and presenting it to the class.

GRADE LEVEL: 9-12

FEES: \$0

PREREQUISITE: Introduction to Theatre or teacher consent

CREDIT: 0.25

LENGTH: Quarter

Advanced Acting/Scene Study

In Advanced Acting, students will continue improving on their knowledge and implementation of basic acting techniques learned in Acting I. In addition, they will be introduced to scene study where multiple characters work together. Students will also explore different acting styles such as Commedia Dell'arte, Restoration, and Elizabethan. This course may be taken up to three times.

GRADE LEVEL: 9-12

FEES: \$0

PREREQUISITE: Acting I or teacher consent.

CREDIT: 0.5

LENGTH: Semester

Advanced Ceramics

Students will have the opportunity to further develop their skills on independent clay assignments of their choice. Self expression, craftsmanship and creativity will be emphasized. Students will be expected to challenge their abilities and techniques: the sky will be the limit. This course may be taken multiple times.

GRADE LEVEL: 10-12

FEES: \$45 (fees will be covered by MLO funds)

PREREQUISITE: Ceramics II or teacher consent

CREDIT: 1.0

LENGTH: Year

Advanced Drawing & Painting

This course is designed for advanced art students. Students need prior knowledge and skills to ensure success. Projects will include large acrylic and watercolor paintings as well as extensive work with charcoal, pencil and colored pencils. This year-long class will incorporate both assigned and independent work and may be taken multiple times.

GRADE LEVEL: 10-12

FEES: \$45 (fees will be covered by MLO funds)

PREREQUISITE: Drawing and Painting II or teacher consent

CREDIT: 1.0

LENGTH: Year

Advanced Guitar

This course is offered for students who wish to expand their knowledge of guitar playing beyond what is covered in Introduction to Guitar. Students will be introduced to more complex musical and technical concepts on their instrument and will be required to learn more advanced repertoire.

GRADE LEVEL: 9-12

FEES: \$5 (fees will be covered by MLO funds)

PREREQUISITE: Introduction to Guitar or teacher approval

CREDIT: 0.25

LENGTH: Quarter

***Advanced Placement Music Theory**

This course is designed for students who want to delve deeply into how music is created, built, and heard. Students will begin with learning note names, scales, chords, and eventually move to full analysis of music. Students will sight sing rhythms and melodies, and aurally identify intervals, chords, rhythms and melodies. Enrollment in a performance class (band or choir) is not required but is strongly encouraged. **Students may take the national AP exam (exam fee is approximately \$100) in May for possible college credit. Full payment is due in November.**

GRADE LEVEL: 11-12 (10 with teacher approval)

CREDIT: 1.0

LENGTH: Year

FEES: \$15 (fees will be covered by MLO funds) and students will purchase their own books.

PREREQUISITE: Teacher consent

***Advanced Placement Studio Art: 2D Design, Drawing, or 3D Design**

The AP Art and Design program consists of three different courses and AP Portfolio Exams—AP 2-D Art and Design, AP 3-D Art and Design, and AP Drawing—corresponding to college and university foundations courses. Students may choose to submit any or all of the AP Portfolio Exams. Students create a portfolio of work to demonstrate inquiry through art and design and development of materials, processes, and ideas over the course of a year. Portfolios include works of art and design, process documentation, and written information about the work presented. In May, students submit portfolios for evaluation based on specific criteria, which include skillful synthesis of materials, processes, and ideas and sustained investigation through practice, experimentation, and revision, guided by questions. Students may choose to submit any or all of the AP Portfolio Exams. **Portfolio submission is optional. Students who choose to submit their portfolio will be required to submit an exam fee (approximately \$100). Full payment is due in November.** A signature from Mr. Butler is required to enroll in this course.

GRADE LEVEL: 11-12

FEES: \$45 (fees will be covered by MLO funds)

PREREQUISITE: Advanced Drawing, Advanced Ceramics, and teacher consent

CREDIT: 1.0

LENGTH: Year

Alternative Sculpture and 3D Design

This course will explore 3D design through multiple forms and techniques of sculpture. Students will use multiple materials to create a variety of individual and group projects. Students will explore contemporary sculpture processes and ideas. Students will also use recycled materials to create modern sculptures.

GRADE LEVEL: 9-12

FEES: \$20 (fees will be covered by MLO funds)

PREREQUISITE: Introduction to Art

CREDIT: 0.25

LENGTH: Quarter

Art of Comics

This class will explore the art of sequential storytelling using words and images, also known as- comics. Students will be able to create an original comic book that will be ready for printing. This class is suited for both visual artists and creative writers.

GRADE LEVEL: 9-12

FEES: \$10 (fees will be covered by MLO funds)

PREREQUISITE: Introduction to Art

CREDIT: 0.25

LENGTH: Quarter

Beginning Jazz

The Jazz Band is an instrumental performance class based around learning the art of jazz music through theory, history, and performance. Students will experience this music by learning to improvise individually, as well as by playing as a group. The band will play music from all the eras of jazz, from early Big Band to Funk and Rock. There will be at least 4 performances required for this course. Students in jazz band are required (unless otherwise approved by the director) to be concurrently enrolled in Symphonic Band or Wind Symphony (with exceptions made for guitar, bass, and piano players). You must complete an audition to be admitted into the jazz band. Auditions will take place in the spring of the previous year.

GRADE LEVEL: 9-12

FEES: \$20 (fees will be covered by MLO funds)

PREREQUISITE: Must be concurrently enrolled in Symphonic Band or Wind Symphony, audition, director approval (see exceptions)

CREDIT: 1.0

LENGTH: Year

Beginning Treble Choir (Women's Choir)

This non-auditioned choir is for beginning choir students with unchanged or treble voices. Students will learn about singing techniques, music theory concepts, and sing vocal music ranging from classical to pop to songs from musicals and music in different languages. Students will be expected to perform at 4 concerts (October, December, March, and May), with the possibility of additional performances. The choir teacher will try to avoid scheduling conflicts with sports teams and avoids after school rehearsals. Students will be required to purchase or rent a performance uniform (new purchase: \$75 for dress/pearls, \$45 vest/tie, or rent for the year for \$25). This course may be taken multiple times.

If this class does not have enough students registered, students may be combined with one of the other choirs to create a mixed choir.

GRADE LEVEL: 9-12

FEES: \$20 (fees will be covered by MLO funds) (+ uniform purchase/rental)

PREREQUISITE:

CREDIT: 1.0

LENGTH: Year

Careers in the Music Industry

This course will outline the many career choices in the music field that do not require singing or playing an instrument. Course topics will cover careers such as music therapy, music technology (writing/editing programs), music production, stage production, managing, and DJ education. This class will emphasize the many ways to be involved in the music industry if the student enjoys theatre and/or sound production and would like to be involved when performing is not the students' main focus. Trends in the music business are lending to the labor market growing in this field.

GRADE LEVEL: 11-12

FEES: \$0

PREREQUISITE:

CREDIT: 0.25

LENGTH: Quarter

Ceramics I

This course is designed to introduce students to the clay medium and process. Students will explore different techniques for hand building, wheel throwing, glazing and firing. Students will utilize the elements and principles of design and apply these to three-dimensional work.

GRADE LEVEL: 9-12
FEES: \$20 (fees will be covered by MLO funds)
PREREQUISITE: Introduction to Art

CREDIT: 0.25
LENGTH: Quarter

Ceramics II

This course is designed for further exploration in the ceramics medium. More technically advanced wheel thrown and hand building assignments will be given including an emphasis on problem solving. Students will be encouraged to express themselves through their artwork.

GRADE LEVEL: 9-12
FEES: \$20 (fees will be covered by MLO funds)
PREREQUISITE: Ceramics I

CREDIT: 0.25
LENGTH: Quarter

Digital Photography: From SmartPhones to Digital Cameras

This course will cover the basic use of the Digital Camera including its controls, including f/stops, shutter speeds, film speeds and the production of a correct exposure. Skills will include composition, criticism, lighting, and image editing software. Assignments will include creative use of the camera controls including depth of field and action motion, shadows and light, alternative camera angles, portraits, still life's, and compositions based on the principles and elements of design. Students will receive basic instruction, demonstration, and see samples of the desired outcomes.

GRADE LEVEL: 9-12
FEES: \$20 (fees will be covered by MLO funds)
PREREQUISITE:

CREDIT: 0.25
LENGTH: Quarter

Drawing and Painting I

This class is designed for students who want to learn how to draw and paint. Emphasis will be placed on understanding fundamental skills, the Elements of Art and the practice of keeping a sketchbook, while encouraging students to develop a personal style of self-expression. We will learn essential techniques using traditional media (graphite pencils and acrylic paint). Students will also be exposed to both modern and historical art.

GRADE LEVEL: 9-12
FEES: \$20 (fees will be covered by MLO funds)
PREREQUISITE: Introduction to Art

CREDIT: 0.25
LENGTH: Quarter

Drawing and Painting II

This class is designed for students who want to grow and improve their drawing and painting skills. Students will build on skills learned in Drawing & Painting I. Emphasis will be placed on composition and The Principles of Design, and the practice of keeping a sketchbook. We will use different drawing and painting media, such as watercolor, pastel and colored pencils. Students will also be exposed to art history. This course is designed for students planning to continue into upper level art courses.

GRADE LEVEL: 9-12
FEES: \$20 (fees will be covered by MLO funds)
PREREQUISITE: Drawing & Painting I

CREDIT: 0.50
LENGTH: Semester

Filmmaking

This course will focus on the fundamental skills of filmmaking and other forms of digital storytelling, including how-to videos, photo essays, web-comics, video collages, music videos, podcasts, etc. Students will learn the steps of filmmaking, including idea generation, story structure, scriptwriting, storyboarding, visual design, filming, editing, and sound design. Students will script, storyboard, film, act, edit, and produce a 7-minute narrative or documentary film.

GRADE LEVEL: 10-12
FEES: \$7 (fees will be covered by MLO funds)
PREREQUISITE:

CREDIT: 0.25
LENGTH: Quarter

High School Choir

This is a mixed SATB choir. Students will learn and perform a variety of high-level music ranging from classical to pop to songs from musicals and music in different languages. Students will be expected to perform at 4 concerts (October, December, March, and May), with the possibility of additional performances. Students will be required to purchase or rent a performance uniform (new purchase: \$75 for dress/pearls, \$45 vest/tie, or rent for the year for \$25). This course may be taken multiple times.

If this class does not have enough students registered, students may be combined with one of the other choirs to create a mixed choir.

GRADE LEVEL: 9-12

FEES: \$20 (fees will be covered by MLO funds) (+uniform purchase/rental)

PREREQUISITE: Audition required and receive director's approval

CREDIT: 1.0

LENGTH: Year

Introduction to Art

This class serves as the first course in the Visual Arts program. Emphasis will be placed on the Elements of Art and artist craftsmanship. Students will complete projects relating to the other art courses offered at University. A wide variety of materials will be used to create both two-dimensional and three-dimensional works of art.

GRADE LEVEL: 9-12

FEES: \$20 (fees will be covered by MLO funds)

PREREQUISITE:

CREDIT: 0.25

LENGTH: Quarter

Introduction to Guitar

Introduction to Guitar is a beginning/entry level guitar class. Students will study the basics of guitar playing (basic chords, strumming, finger-picking, reading notes and rhythms, chord charts, etc.). Students will be asked to perform as a small ensemble or individually at times. Classical guitars will be provided, however students can bring and use their own guitars.

GRADE LEVEL: 9-12

FEES: \$5 (fees will be covered by MLO funds)

PREREQUISITE:

CREDIT: 0.25

LENGTH: Quarter

Introduction to Music Theory

Introduction to Music Theory is a quarter course designed to give students the opportunity to expand their knowledge of how music is written and built. In this course we will begin with the basics of music (clefs, notes, scales) and move to chord building and functional harmony. We will work on rhythmic and melodic basics through sight-singing as well. Students do not need to be currently enrolled in a performance-based class to take music theory, but it is encouraged.

GRADE LEVEL: 9-12

FEES: \$5 (fees will be covered by MLO funds)

PREREQUISITE:

CREDIT: 0.25

LENGTH: Quarter

Introduction to Piano/Keyboard

This class is for beginning piano students who have little to no experience playing piano. Students will learn how to read music, understand notations and rhythms, and play pieces of music both new and familiar. Our curriculum will follow piano materials for older learners and the course final will include playing a piece of music for the class.

GRADE LEVEL: 9-12

FEES: \$15 (fees will be covered by MLO funds)

PREREQUISITE:

CREDIT: 0.50

LENGTH: Semester

Introduction to Theatre

This course is designed for students who have little to no experience in Theatre. We will explore some of the

many broad topics in the Theatre Experience. Topics include a brief History of Theatre, Technical Theatre, Stage Management, Directing, Designing (Costume, Sets, Lights), and Acting.

GRADE LEVEL: 9-12

CREDIT: 0.25

FEES: \$5 (fees will be covered by MLO funds)

LENGTH: Quarter

PREREQUISITE:

Jazz Band Honors

The Jazz Band is an auditioned instrumental performance class based around learning the art of jazz music through theory, history, and performance. Students will experience this music by learning to improvise individually, as well as by playing as a group. The band will play music from all the eras of jazz, from early Big Band to Funk and Rock. There will be at least 4 performances required for this course. Students in jazz band are required (unless otherwise approved by the director) to be concurrently enrolled in Symphonic Band or Wind Symphony (with exceptions made for guitar, bass, and piano players). You must complete an audition to be admitted into the jazz band. Auditions will take place in the spring of the previous year. If no audition, student will be placed in Beginning Jazz.

GRADE LEVEL: 9-12

CREDIT: 1.0

FEES: \$20 (fees will be covered by MLO funds)

LENGTH: Year

PREREQUISITE: Must be concurrently enrolled in Symphonic Band or Wind Symphony, audition, director approval (see exceptions)

Origins of Hip-Hop Music

This course is a tour of the history of hip-hop music from its beginnings to today! We will discuss and listen to music from hip-hop artists such as: Run-DMC, Snoop Dog, Dr. Dre, Jay-Z, Eminem, all the way to hip-hop of 2022. This course is designed for group learning, which will come in the way of projects, and a final presentation at the end of the course. We will also learn about how hip-hop music has inspired a generation, and fostered a culture of independence, and creativity. In general, it's a chance for you to learn about what the musical artist is "really" saying, instead of just head-nodding to the beat!

GRADE LEVEL: 9-12

CREDIT: 0.25

FEES: \$0

LENGTH: Quarter

PREREQUISITE:

Printmaking, Book Arts and Journaling

This course provides an exploration of printmaking techniques from monotypes to block prints. Printmaking is the art of creating an image on various surfaces and then transferring the image to paper. Students experience book arts by making their own sketchbook. This course also explores paper marbling, stenciling and paper cutouts.

GRADE LEVEL: 9-12

CREDIT: 0.25

FEES: \$20 (fees will be covered by MLO funds)

LENGTH: Quarter

PREREQUISITE: Introduction to Art

Soundtracks: Music in Film

Soundtracks are the accompaniment to movies – the music is as important to the final product of a movie as the acting, sets, and editing...but how much time do you spend listening to how the music helps tell the story of the film? In this class we'll explore how music supports the storyline of a movie, and how it can sometimes tell its own story. We will watch different types of movies, and discuss how the music impacts our experience in different ways. Students do not need to know how to read music or have any musical experience to take this class!

GRADE LEVEL: 9-12

CREDIT: 0.25

FEES: \$0

LENGTH: Quarter

PREREQUISITE:

Speech & Debate I

This course is designed to develop students' skills in various styles of public speaking. It will focus on the element of research, argumentation and rebuttal; as well as the principles of public speaking as they apply to composition, interpretation and performance. Students will be able to explore speaking in various categories including: debate, public speaking, and acting.

Students may choose to join the Speech and Debate team and compete in CHSAA-sanctioned or NSDA-sanctioned speech and debate tournaments.

GRADE LEVEL: 9-12

CREDIT: 0.5

FEES: \$15 (fees will be covered by MLO funds)

LENGTH: Semester

(Students who choose to compete on the team must pay the \$120 UHS Activity Fee (MLO funds do not cover the cost of this fee) and register with the team on Family ID.)

PREREQUISITE:

Speech & Debate II - Advanced

This course is designed to further develop students' skills in various styles of public speaking. It will continue to focus on elements of research, argumentation, and rebuttal; as well as the principles of public speaking as they apply to composition, interpretation, and performance. Students taking this course will continue their mastery of these skills by taking a leadership position in the classroom and developing lessons and working with new students in the development of their public speaking skills. This course may be taken multiple times.

Students may choose to join the Speech and Debate team and compete in CHSAA-sanctioned or NSDA-sanctioned speech and debate tournaments.

GRADE LEVEL: 9-12

CREDIT: 0.75

FEES: \$15 (fees will be covered by MLO funds)

LENGTH: First 3 quarters of year

(Students who choose to compete on the team must pay the \$120 UHS Activity fee (MLO funds do not cover the cost of this fee) and register with the team on Family ID.)

PREREQUISITE: Speech & Debate I

Street Art and Murals

This class is designed for students who want to learn how to create meaningful public works of art. Students will explore different techniques for creating and producing multiple styles of "Street/Public" art. Students will have an opportunity to work with members of the Greeley community to create possible mural projects. This quarter-long class will incorporate both assigned and independent work and may be taken multiple times.

GRADE LEVEL: 9-12

CREDIT: 0.25

FEES: \$20 (fees will be covered by MLO funds)

LENGTH: Quarter

PREREQUISITE: Introduction of Art

Symphonic Band

Symphonic Band is a course designed to continue student's education in music through playing an instrument. Students must have previous experience playing their instrument or director approval in order to enroll in band – all are welcome! We will perform music in both large and small ensemble settings. There will be at least four required performances throughout the year. No audition is required. The course may be taken multiple times.

GRADE LEVEL: 9-12

CREDIT: 1.0

FEES: \$20 (fees will be covered by MLO funds)

LENGTH: Year

PREREQUISITE: Previous experience on a wind or percussion instrument preferred, and teacher consent.

TheCon Production

This class will be a production class. Students, with the guidance of the instructor, will choose a one-act play to

perform LIVE at the Colorado Thespian Convention (December 2024). Every member of this class will participate in the production in some capacity-actor, director, stage manager, or general tech. The final product will be performed at the Colorado Thespian Festival (ThesCon). This class will be offered only during the second quarter.

GRADE LEVEL: 10-12

CREDIT: 0.25

FEES: \$20 (fees will be covered by MLO funds)

LENGTH: Quarter

PREREQUISITE: Introduction to Theatre or teacher approval

Wind Symphony

Wind Symphony is an auditioned concert band that focuses on continuing students' music education through performance, history, and theory. Students must audition for this group in the Spring of the preceding year. We will perform music in large and small ensemble settings with four required performances and a few festival competitions. This group plays with a high level of musicianship and will be challenged accordingly. This course may be taken multiple times.

GRADE LEVEL: 9-12

CREDIT: 1.0

FEES: \$20 (fees will be covered by MLO funds)

LENGTH: Year

PREREQUISITE: Auditions required

Yearbook

Skills needed: good work ethic, well developed writing skills, computer experience. Each student will be directly involved with all aspects of producing a yearbook, including photography, journalism, design, marketing, and use of technology. Students will learn to use yearbook design and photo editing software. Work outside class and advertising sales will be required of each staff member as part of the grade. Students may take this class more than once. Students need to apply for staff and editorial positions.

GRADE LEVEL: 10-12

CREDIT: 1.0

FEES: \$0

LENGTH: Year

PREREQUISITE: Application and teacher approval

Wellness/Physical Education PHY Credit



Advanced Strength & Conditioning

This fitness course will focus on developing the human body for athletic activities. This class is only for those individuals who are willing to put forth the maximum effort possible. There will be an emphasis on increasing muscular strength, muscular endurance, speed, flexibility, and body composition. This course may be taken multiple times.

GRADE LEVEL: 10-12 (fulfills P.E. requirement)

FEES: \$0

PREREQUISITE: Basics of Power or Weight Room II and teacher signature

CREDIT: 0.25

LENGTH: Quarter

Alternative Fitness

The focus of this fitness course will be to provide students with alternative ways to improve personal fitness. The class will consist of various activities such as yoga, Pilates, dance, and other non-traditional forms of fitness. The purpose of this class is to provide students with a different approach to becoming a more healthy and active person. This course may be taken multiple times with teacher approval.

GRADE LEVEL: 10-12 (fulfills P.E. requirement)

FEES: \$0

PREREQUISITE:

CREDIT: 0.25

LENGTH: Quarter

Basics of Power

This course is designed to teach and train the technical aspect of movements that are associated with power training. Resistance training components of the course will include hinge and squat technique, variation of Olympic lifts, kettlebell instruction, plyometrics, and vertical power. Applicable flexibility will also be addressed. This course is a prerequisite for Lifetime Fitness II and Cross-Fit and Core Training for Sport and Advanced Strength & Conditioning. This course may be taken multiple times with teacher approval.

GRADE LEVEL: 9-12 (fulfills P.E. requirement)

FEES: \$0

PREREQUISITE:

CREDIT: 0.25

LENGTH: Quarter

Cross-Fit and Core Training for Sport

This fitness class will focus on training methods that specifically use Cross-Fit and core strengthening as a platform for successful performance. Individuals should be in good cardiovascular shape and have a strong background in the other fitness classes offered at University Schools. This course may be taken multiple times with teacher approval.

GRADE LEVEL: 10-12 (fulfills P.E. requirement)

FEES: \$0

PREREQUISITE: Weight Room Fitness or Basics of Power

CREDIT: 0.25

LENGTH: Quarter

First Aid/CPR Education

This wellness course follows the guidelines for the American Red Cross Standard First Aid/CPR certification. This class will focus on life saving and response skills along with basic injury care and prevention. Upon completion of requirements, students may have the opportunity to be certified in First Aid/CPR. Fee will be used for certification cards (certification is optional) Recommended for junior/seniors.

GRADE LEVEL: 10-12

FEES: \$36 (certification fee)

PREREQUISITE:

CREDIT: 0.25

LENGTH: Quarter

The Health and Wellness Experience

This wellness course is recommended for sophomores. The class introduces students to the different components of leading a healthy and positive lifestyle. Students will research and present on various health and wellness topics. This course is classroom based.

GRADE LEVEL: 10-12 (required)

FEES: \$0

PREREQUISITE:

CREDIT: 0.25

LENGTH: Quarter

Individual Activities & Small Group Games

This physical education course will focus on sports and games that involve an individual effort. The activities for the course will be dependent on the quarter. Each unit will begin with an introduction to the activity and move on to development of skills, knowledge of rules and successful strategies. This course may be taken multiple times with teacher approval.

GRADE LEVEL: 9-12 (fulfills P.E. requirement)

FEES: Students must pay for some off-campus activities

PREREQUISITE:

CREDIT: 0.25

LENGTH: Quarter

Sources of Strength

Community building and wellness course that helps prevent adverse outcomes by increasing wellbeing, help-seeking, resiliency, healthy coping, and belonging. Engage in campaigns throughout the course to broaden these skills to the bulldog community. Each class will be composed of part fun, part sharing, and part planning on how the class can increase students' connection to their sources of strength.

GRADE LEVEL: 9-12

FEES: \$0

PREREQUISITE: Mandatory Sources of Strength peer leader training prior/during the time they are in class

CREDIT: 0.25

LENGTH: Quarter

Team Activities

This physical education course will focus on sports and games that involve the use of a team and individuals working together. Each activity will begin with an introduction to the activity and move on to development of skills, knowledge of rules and successful strategies. This course may be taken multiple times with teacher approval.

GRADE LEVEL: 9-12 (fulfills P.E. requirement)

FEES: Students must pay for some off-campus activities

PREREQUISITE:

CREDIT: 0.25

LENGTH: Quarter

Training for Athletic Performance

This class will focus on all season athletic performance, with a focus on speed, strength and agility. Participants in and out of season will be able to fine tune skills for athletic development and competition. The class will be intense, skill based, and also provide leadership skills. This course may be taken multiple times.

GRADE LEVEL: 10-12 (fulfills P.E. requirement)

FEES: \$0

PREREQUISITE: Must be in a High School Sport

CREDIT: 0.25

LENGTH: Quarter

Weight Room Fitness

This fitness course will focus on how to lead a healthy and active lifestyle. The purpose of this course is to introduce and educate students about how to implement a fitness program and control personal health in their daily lives. Students will apply that information to their bodies in the weight room.

GRADE LEVEL: 9-12 (fulfills P.E. requirement)

FEES: \$0

PREREQUISITE:

CREDIT: 0.25

LENGTH: Quarter

Weight Room Fitness II

This fitness course will continue the principles taught in Lifetime Fitness. The focus will be on fitness program development and improvement of personal fitness levels. Students will learn about fitness principles and human anatomy and will apply that information to their bodies in the weight room using various training techniques. This course may be taken multiple times.

GRADE LEVEL: 10-12 (fulfills P.E. requirement)

FEES: \$0

PREREQUISITE: Weight Room Fitness or Basics of Power

CREDIT: 0.25

LENGTH: Quarter

World Language WLD Credit



***American Sign Language I**

This course introduces the basics of American Sign Language (ASL) and is designed for students who have little or no previous knowledge of ASL. Readiness for learning will be approached via visual-gestural communication techniques, visual discrimination, and visual memory exercises. ASL questions, commands, and other simple sentence structures are introduced to develop rudimentary conversational skills in ASL. Information about the Deaf Community and Deaf Culture will be introduced. Course fees will be used for student registration and access to ASLdeafined.

GRADE LEVEL: 9-12

FEES: \$20 (fees will be covered by MLO funds)

PREREQUISITE:

CREDIT: 1.0

LENGTH: Year

***American Sign Language II**

This course is designed to continue development of American Sign Language (ASL) skills with primary focus on refining the use of basic ASL sentence types. Pronominalization, classifiers, spatial referencing, pluralization, and temporal and distributional aspects are introduced. Students will learn routine communicative functions of the language: asking, requesting, providing clarification, giving and asking for directions. Information about the Deaf Community and Deaf Culture will be included. Course fees will be used for student registration and access to ASLdeafined.

GRADE LEVEL: 10-12

FEES: \$20 (fees will be covered by MLO funds)

PREREQUISITE: ASL I

CREDIT: 1.0

LENGTH: Year

***American Sign Language III**

This course builds on skills learned in American Sign Language (ASL) I and II, adding more complex ASL grammatical features including: vocabulary, short stories, narratives, and dialogues. The course will include description of general surroundings, appropriate sequencing, temporal aspects and conditionals. Information about the Deaf Community and Deaf Culture will be included. Course fees will be used for student registration and access to ASLdeafined.

GRADE LEVEL: 11-12

FEES: \$20 (fees will be covered by MLO funds)

PREREQUISITE: ASL II

CREDIT: 1.0

LENGTH: Year



***American Sign Language IV**

This course is designed for students who have completed ASL I, II, and III, or who have demonstrated intermediate ASL skills as determined by an ASL Proficiency Interview. This course prepares students for more complex interactions and academic discourse at school and in the surrounding community. Emphasis is upon acquisition of comprehension, production and interactional skills. Students will also learn more complex features of Deaf culture and history. Course fees will be used for student registration and access to ASLdeafined.

GRADE LEVEL: 12

FEES: \$20 (fees will be covered by MLO funds)

PREREQUISITE: ASL III

CREDIT: 1.0

LENGTH: Year

***German I**

This course will introduce students to the beginning level of communication skills through writing, reading, listening and speaking the German language. Language proficiency will be emphasized using beginning level vocabulary and grammatical structures. Students will also be exposed to the customs, cultures and geography of German speaking countries. Fees will be used for crafts and consumable materials.

GRADE LEVEL: 9-12

FEES: \$15 (fees will be covered by MLO funds)

PREREQUISITE:

CREDIT: 1.0

LENGTH: Year

***German II**

Students will continue to develop and refine a functional vocabulary base and grammar skills through speaking, writing, reading, and listening at an intermediate level. Functional speaking skills and an understanding of the culture will be stressed. Fees will be used for crafts and consumable materials.

GRADE LEVEL: 10-12

FEES: \$15 (fees will be covered by MLO funds)

PREREQUISITE: Successful completion of German I

CREDIT: 1.0

LENGTH: Year

***German III**

Students will continue to develop and refine a functional vocabulary base and grammar skills through speaking, writing, reading, and listening at an intermediate level. Functional speaking skills and an understanding of the culture will be stressed. This class will be conducted primarily in German. Fees will be used for crafts and consumable materials.

GRADE LEVEL: 11-12

FEES: \$15 (fees will be covered by MLO funds)

PREREQUISITE: Successful completion of German I and II with a C or better

CREDIT: 1.0

LENGTH: Year

***German IV Honors**

In this course students will continue to develop communicative and reading skills at an advanced level. Students will apply both old and new vocabulary and grammar through discussions of various topics relevant to the students, as well as in reading and discussing historical information, current events, short stories, and literature. This class will be conducted primarily in German. Fees will be used for crafts and consumable materials.

GRADE LEVEL: 12

FEES: \$10 (fees will be covered by MLO funds)

PREREQUISITE: Successful completion of German I, II and III with a C or better

CREDIT: 1.0

LENGTH: Year

***Heritage Spanish I**

This course is designed specifically for native or heritage speakers of Spanish with oral proficiency but little or no formal training in the language. The course is designed to build on the language based on what the student already possesses. Special emphasis will be on advanced communication skills (listening, speaking, reading and writing), grammar literature and cultural studies. The class will always be conducted in Spanish and students are required to speak Spanish all the time while in the classroom. Fee will be used for a novel and crafts/consumable materials.

GRADE LEVEL: 9-12

FEES: \$20 (fees will be covered by MLO funds)

PREREQUISITE: Must be fluent in Spanish. Require instructor's signature.

CREDIT: 1.0

LENGTH: Year

***Heritage Spanish II**

This course is designed specifically for native or heritage speakers of Spanish with oral proficiency but little or no formal training in the language. The course is designed to build on the language based on what the student already possesses. Special emphasis will be on advanced communication skills (listening,

speaking, reading and writing), grammar literature and cultural studies. The class will always be conducted in Spanish and students are required to speak Spanish all the time while in the classroom. Fee will be used for a reader and crafts/consumable materials.

GRADE LEVEL: 10-12

FEES: \$20 (fees will be covered by MLO funds)

PREREQUISITE: Heritage Spanish I

CREDIT: 1.0

LENGTH: Year

***Spanish I**

This course is designed to help students attain proficiency in Spanish in the four means of communication: listening, speaking, reading, and writing. This class focuses on acquiring a firm linguistic base, which is the foundation of effective communication and meaningful language proficiency. Additionally this class will present language within the context of the contemporary Spanish-speaking world and its culture. The targeted language proficiency level is novice intermediate. Fee will be used for consumable materials.

GRADE LEVEL: 9-12

FEES: \$20 (fees will be covered by MLO funds)

PREREQUISITE:

CREDIT: 1.0

LENGTH: Year

***Spanish II**

This course is designed for students who are proficient in the Spanish language at a beginning level and are prepared to work in Spanish as a means of communication. Special emphasis will be on communication skills (listening, speaking, reading and writing), grammar, literature and cultural studies. This class will be conducted primarily in Spanish. The targeted proficiency level is novice high. Fees will be used for a reader, crafts/consumable materials and the GoREACT program which will be used to assess students' progress and proficiency.

GRADE LEVEL: 10-12

FEES: \$20 (fees will be covered by MLO funds)

PREREQUISITE: Successful completion of Spanish I

CREDIT: 1.0

LENGTH: Year

***Spanish III**

This course is designed for students who are proficient in the Spanish language at a novice-high level and are prepared to work in Spanish as a primary means of communication. Special emphasis will be on intermediate communication skills: listening, speaking, reading and writing. Class will also emphasize grammar, literature and cultural studies. The targeted proficiency level is intermediate. Fee will be used for consumable materials.

GRADE LEVEL: 11-12

FEES: \$20 (fees will be covered by MLO funds)

PREREQUISITE: Successful completion of Spanish II

CREDIT: 1.0

LENGTH: Year

***Spanish IV/AP**

This course is designed for students who are proficient in the Spanish language at an intermediate level and are prepared to work in Spanish as a primary means of communication. Special emphasis will be on intermediate-high communication skills: listening, speaking, reading, and writing. Class will also emphasize grammar, literature and cultural studies. The targeted proficiency level is intermediate-high to advanced-low. Fee will be used for consumable materials.

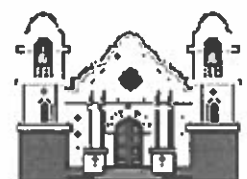
GRADE LEVEL: 11-12

FEES: \$15 (fees will be covered by MLO funds)

PREREQUISITE: Heritage Spanish I and II or Spanish III or IV and interview with Spanish instructor

CREDIT: 1.0

LENGTH: Year



Electives ELE Credit



Classroom Aide

This class gives students the opportunity to work in various classrooms and areas of the school. The student may not arrange to aide in a particular teacher's classroom. Room assignments are made based on the priority of teacher need. On the first day of class, students will receive an email from the Registrar with instructions. Educational and behavioral information must be kept confidential by the classroom aide.

Students have the option to count this course for community service, internship or a grade (E – Excellent, S – Satisfactory, or U – Unsatisfactory). The student has the first week of the class to select to take the class for community service or internship. If the student doesn't make that selection within the first week, the student will receive a grade/credit for the class. Community service and internship hours are determined by in-person attendance time in the class so long as their teacher felt the overall performance was satisfactory or better. Internship requires additional documentation and must be agreed upon by the teacher within the first week of the quarter. If the student receives community service or internship hours for the class, they must see the Registrar to sign their Verification Table on their experiential service forms.

GRADE LEVEL: 9-12
FEES: \$0
PREREQUISITE:

CREDIT: 0.25
LENGTH: Quarter

Classroom Aide – Mathematics Focus

Please refer to the course description for Classroom Aide. Students will assist in either high school, middle school or elementary mathematics classes and should be prepared to tutor students. The student's previous year's math grades must reflect strong math skills.

GRADE LEVEL: 10-12
FEES: \$0
PREREQUISITE:

CREDIT: 0.25
LENGTH: Quarter

Seminar

Students will take part in mini-seminars, simulations, discussions, role-play situations, progress-monitoring, etc. These activities will take place at the beginning of each 90-minute period, leaving one hour for supervised study hall (work production and test preparation).

GRADE LEVEL: 9
FEES: \$0
PREREQUISITE:

CREDIT: 0.25
LENGTH: Quarter

Study Hall

Study Hall is designed to allow time for students to work on homework. Students with busy lives may benefit from having some of their time dedicated solely to homework. This class is for freshman and sophomores only and cannot be taken concurrently with Study Skills. Students can specify which quarter they would like to have Study Hall.

GRADE LEVEL: 9-10
FEES: \$0
PREREQUISITE:

CREDIT: 0.0
LENGTH: Quarter