

ROOSEVELT HIGH SCHOOL



Course Guidebook
2024-2025

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REGISTRATION INFORMATION

The Roosevelt High School Staff is dedicated to preparing you for your future. Whether you enter higher education, the military, or the workforce, it is vital that you create a plan to prepare you for the path you choose.

PLAN FOR YOUR FUTURE. PLAN FOR SUCCESS.

The following information will help you understand the registration process and give you sound advice on what classes you need to take in order to prepare yourself for graduation from RHS and to assist you in transition from high school and beyond.

- **Unit of Credit** – a unit of credit is earned by passing a course for 2 semesters. One-half unit of credit is earned by passing a course for one semester.
- **Prerequisite** – this refers to the requirements and/or course(s) that must be satisfied before taking certain courses.
- **Required Subjects** – those that must be completed to qualify for a diploma.
- **Electives** – subjects which may be chosen by the student; considering interests, aptitudes, and future plans.
- **Weighted Classes** – the student will receive one additional point toward GPA except for failures. The following classes will be weighted: Advanced Placement (AP) and all college classes whether on the RHS campus or a college campus.
- The following classes will be on a Pass/Fail grading system and will count toward credit but not in the GPA – Student Council, Office Assistant, Teacher Assistant, College Seminar, Work Experience, and Study Hall.

Before enrolling at Roosevelt High School, your parents and you should plan a four-year course of study using the course descriptions, graduation requirements, and recommended courses enclosed in this booklet.

- Check the course descriptions carefully making sure you have met the necessary prerequisite(s).
- All seniors must take a minimum of five classes each semester. Exceptions can be made for students accessing approved off-campus opportunities to further their education.
- **Students are responsible for understanding their own credits and progress toward graduation.**

IMPORTANT:

Schedules are built in the spring to meet the needs of students based on course requests. Therefore, it is CRITICAL that you choose wisely. The courses you pick now will be the courses you take next school year. Students will be able to view their schedule on Infinite Campus prior to the start of each semester. Any schedule repair requests are to be made through the Counseling Office. Student-requested changes will **ONLY** be made for academic misplacement. We will not honor requests for lunch changes or teacher changes.

HIGHER EDUCATION OPPORTUNITIES at RHS

DUAL AND CONCURRENT ENROLLMENT

Roosevelt has established partnerships with both Aims Community College and the University of Northern Colorado. Through these partnerships, we are able to offer our students college-level courses on the RHS Campus or within the community. These courses allow the students to get high school credit as well as college credit toward a degree program.

Eligible students who desire to enroll in college or vocational classes with Aims or UNC must complete the appropriate application paperwork prior to the drop deadline to qualify for tuition reimbursement. Students who take approved college courses will receive credit through both the higher education institution as well as credit at RHS towards high school graduation requirements. Students taking classes with Aims and/or UNC are responsible for the administration fee as well as books depending on the course (this is indicated within each description).

Students may also request to take coursework through other institutions of higher learning. These requests must have principal and counselor approval prior to beginning the course. Students are responsible for the cost of tuition, books, student fees, and sending their transcript to RHS. Coursework that is currently offered at RHS, Roosevelt High School Online Program, or through our partnerships (Aims & UNC) will not be approved.

AIMS CAREER ACADEMY

Eligible students can apply to participate in the Aims Community College Career Academy program which allows high school students to take college courses in the participating Career and Technical Education programs. This is a concurrent-enrollment program where students earn credits toward high school graduation and college credits. Interested students must complete an application in the spring of their sophomore or junior year, attend an orientation night, and be selected by the placement committee. All college fees are paid for by the school district. The student is responsible for transportation.

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Weld County School District RE-5J does not discriminate on the basis of disability, race, creed, color, religion, sex, sexual orientation, national origin, ancestry, genetic information, conditions related to pregnancy or childbirth, age, or other protected class in its programs and activities, including employment, and the Title IX Coordinator has been designated to handle any inquiries regarding the nondiscrimination policies.



➤ REGARDING COURSE FEES

For courses which have fees, these may be reduced or waived for students qualifying for free and reduced lunch. Please contact your counselor to find out if you qualify.

ADVANCED PLACEMENT (AP) OPPORTUNITIES

Students have the ability to earn college credit and waive introductory college courses by earning a qualifying score on AP exams. Students will need to send their AP exam scores to colleges and check with individual colleges for college-specific AP policies. At this time, Roosevelt High School offers several AP opportunities through the College Board:

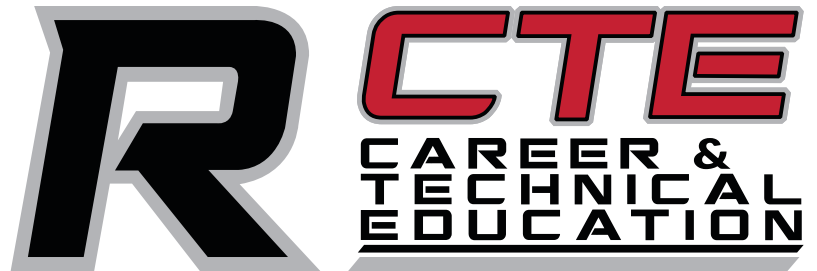
- AP Spanish Language and Culture
- AP Literature & Composition
- AP Chemistry
- AP US History
- AP US Government
- AP 2D Art
- AP 3D Art
- AP Drawing
- AP Music Theory

AP[®] Scholars



CAREER AND TECHNICAL EDUCATION PATHWAYS

Roosevelt High School is focused on providing students options for whichever pathway they choose after high school. Our CTE pathways are designed to ensure our students meet Postsecondary and Workforce Readiness competencies and are ready to transition to further their education or enter the workforce. A list of the pathways Roosevelt High School currently offers begins on page 29 of this guide. Each year we look to expand and provide more opportunities to our students.



WELD RE-5J GRADUATION REQUIREMENTS

THE FOLLOWING MINIMUM CREDIT REQUIREMENTS MUST BE MET IN ORDER TO RECEIVE A HIGH SCHOOL DIPLOMA:

STEP 1 - 24.5 TOTAL CREDITS	
English *English 12 Required	4.0
Math	3.0
Science	3.0
Social Studies *Government Required	3.5
Physical Education/Health	1.0
Humanities *Includes World Languages, Art, and Music	1.0
Career & Technical Education (CTE)	1.0
Electives	8.0
TOTAL CREDITS: 24.5	

STEP TWO - COMMUNITY SERVICE
Perform 8 hours of community service per school year while enrolled at Roosevelt. During their four years at the school, students will complete a total of 32 hours.

STEP 3 DEMONSTRATE COMPETENCE IN ENGLISH AND MATH
Students must demonstrate college and career readiness in both English and Math by meeting or exceeding the required level of readiness in one area of the Menu of Options required by the Colorado Department of Education.

GRADE LEVEL COURSE REQUIREMENTS

COLORADO DEPARTMENT OF EDUCATION: [MENU OF COLLEGE AND CAREER-READY DEMONSTRATIONS](#)

Local school boards establish high school graduation requirements that meet or exceed the Colorado Graduation Guidelines.

Local school boards and districts select from this menu to create a list of options that their students must use to show what they know or can do in order to graduate from high school. School districts may offer some or all of the state menu options, may raise a cut score on an included assessment and may add graduation requirements in other content areas...

... Students must demonstrate college or career readiness in English and Math based on at least one measure.

<p>NINTH GRADE English 9 1 Credit Mathematics 1 Credit Biology 1 Credit World Geography..... 1 Credit Physical Education/Health 1 Credit</p>	<p>TENTH GRADE English 10 1 Credit Mathematics 1 Credit Chemistry/Chem Com..... 1 Credit World History 1 Credit</p>
<p>ELEVENTH GRADE English 11 1 Credit US History 1 Credit Mathematics 1 Credit Science Elective/Physics... 1 Credit</p>	<p>TWELFTH GRADE English 12..... 0.5 Credit American Government .. 0.5 Credit</p>

HIGHER EDUCATION ADMISSION REQUIREMENTS (HEAR)

STUDENTS PLANNING TO ATTEND A FOUR-YEAR COLLEGE OR UNIVERSITY IN COLORADO MUST COMPLETE THE FOLLOWING AND MEET THE ADMISSION ELIGIBILITY INDEX.

English	4 years
Mathematics Must include Algebra 1, Geometry, Algebra II, and one class above Algebra II	4 years
Natural/Physical Sciences (Must have 2 lab based units)	3 years
Social Sciences (At least one unit of US or World History)	3 years
World Language	2 years
Academic Electives	2 years

ACADEMIC ELIGIBILITY

In high school, academic eligibility will be evaluated every week. In order to be eligible to participate in athletics or extra-curricular activities, you must be passing five or more classes. Students must be in attendance five class periods during the day to be eligible to participate on that day. Careful schedule planning is a must when considering your workload during the year.

NCAA ELIGIBILITY - DIVISION I OR II COLLEGES/UNIVERSITIES

All high school student athletes wishing to compete in an NCAA division college must register with the NCAA Eligibility Center.

WHAT REQUIREMENTS DO I NEED TO BE ABLE TO PRACTICE, PLAY AND GET A SCHOLARSHIP?

1. Graduate from high school;
2. Complete a minimum of 16 core courses (see below);
3. Present the required GPA
(sliding scale for Division I or a min. 2.0 GPA for Div. II);
4. Present a qualifying test score on either the ACT or SAT
(sliding scale); and
5. Complete the amateurism questionnaire and request
final amateurism certification.

FOR MORE INFORMATION AND DETAILS, GO TO THE NCAA WEBSITE(S):

<http://www.ncaa.org>

<http://eligibilitycenter.org>

<https://web3.ncaa.org/ecwr3/>



ACADEMIC ELIGIBILITY cont.

NCAA CORE COURSES

DIVISION I (16 specific courses required):

- 4 years of English
- 3 years of mathematics (Algebra I or higher).
- 2 years of natural/physical science (including at least 1 lab course)
- 1 year of additional English, mathematics, or natural/physical science.
- 2 years of social science.
- 4 years of additional courses (from any area above, foreign language, or comparative religion/philosophy).

DIVISION II (16 specific courses required):

- 3 years of English
- 2 years of mathematics (Algebra I or higher)
- 2 years of natural/physical science (including at least 1 lab course)
- 3 years of additional English, mathematics, or natural/physical science
- 2 years of social science
- 4 years of additional courses (from any area above, foreign language, or comparative religion/philosophy).

NAIA ELIGIBILITY

The NAIA has nearly 300 college campuses in the U.S. and Canada. Each year 60,000 NAIA student-athletes have the opportunity to play top-notch college athletics while competing for one of 23 national championships in 13 different sports. NAIA schools provide these student athletes a first-class education with a personal touch, the hallmark of small-college campus life, by offering \$450 million in financial aid.

Students who want to play NAIA sports will need to register with the NAIA Eligibility Center. Students can register by visiting www.PlayNAIA.org and creating a profile with facts about their academic history and sports experience.

TO PLAY IN THE NAIA, YOU MUST GRADUATE HIGH SCHOOL AND SATISFY TWO OUT OF THREE OF THESE REQUIREMENTS:

- Achieve a minimum of 18 on the ACT or 860 on the SAT
- Achieve a minimum overall GPA of 2.0
- Graduate in the top half of your high school class

> ENGLISH

English 9 A/B (EN 100/101)

Credit: 1.0	Grade: 9
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Prerequisite: None

This course will focus on essential writing and reading skills. Various pieces of literature will be used (class novels, short stories, plays, and poetry) not only as models for student writing but also as a record of human experience. Students will learn to use the writing process effectively and critically analyze a text for its literary value and writing techniques. NCAA APPROVED

Honors English 9 (EN 102/103)

Credit: 1.0	Grade: 9
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Prerequisite: Teacher Recommendation after first semester of English 9

This course focuses on essential writing and reading skills, as well as more advanced concepts and real-life applications. Various challenging pieces of literature will be used (class novels, short stories, plays, and poetry) as models for student writing and as a record of human experience. Students will learn to use the writing process effectively and to critically analyze a text for its literary value and writing techniques. This class features enrichment activities, challenging tasks, and homework. This course is reading and writing intensive. NCAA APPROVED

English 10 A/B (EN 105/106)

Credit: 1.0	Grade: 10
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Prerequisite: English 9

This course will focus on intermediate writing and reading skills. Various pieces of literature (class novels, short stories, plays, and poetry) will be used not only as models for student writing, but also as a record of human experience. Students will advance their skills in using the writing process effectively and in critically analyzing texts for their literary value and writing techniques. Research and public speaking are two components to the class as well. NCAA APPROVED

Honors English 10 A/B (EN 115/116)

Credit: 1.0	Grade: 10
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Prerequisite: A or B in English 9 or Honors English 9 or teacher approval

This course will focus on intermediate to advanced writing and reading skills. Students will read various literary texts (novels, short stories, plays, and poetry) as models for student writing, as focuses for literary analysis, and as records of the human experience. In addition, students practice using literary theory and formal argumentation in preparation for other advanced English courses. Students will advance their reading and writing skills by critically analyzing texts for their literary value and mimicking effective techniques to develop an effective writing style. NCAA APPROVED

English 11 A/B (EN 131/132)

Credit: 1.0	Grade: 11
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Prerequisite: English 10

This course will focus on higher-level writing and reading skills. Various pieces of literature (class novels, short stories, plays, and poetry) will be used not only as models for student writing, but also as a record of human experience. Students will further advance their skills in using the writing process effectively and in critically analyzing texts for their literary value and writing techniques. NCAA APPROVED

English 12 (EN 203)

Credit: .5	Grade: 12
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Prerequisite: English 11

In order to prepare students for postsecondary education and to become productive citizens in a global community, students in English 12 will read critically, write effectively, synthesize complex information, and engage in sophisticated conversations. In addition, students will explore career pathways, develop professional communication skills, acquire workplace communication competencies, complete a Capstone Learning Experience, and present their research-based presentation in a showcase format. NCAA APPROVED

> ENGLISH ELECTIVES

Journalism (EN 127)

Credit: .5

Grades: 11-12

Prerequisite: English 9 & English 10

Journalism is a class wherein students will write about relevant topics to their peers. This will include stories regarding local events, both in the school and around the community. Students will learn about deadlines and formatting periodical entries both in length and wording. Students will be presented with the opportunity to create a school newsletter/blog, and this can grow into a newspaper if participation and interest are strong enough. Students will also learn about biases and how to deliver news in an unbiased manner. NCAA APPROVED

Dystopian Literature (EN128)

Credit: .5

Grades: 11-12

Prerequisite: English 9 & English 10

This course is intended for students who have an interest in dystopian literature and ideas, and who would like to explore these concepts deeper. Dystopian narratives are set in the future and focus on issues in the modern time that are often timeless. This course focuses on examining the prominent ideas found in this genre of literature including but not limited to environmental destruction, governmental control, technological control/reliance, censorship, survival, the loss of individualism, and exploring what it means to be human. Students will explore many texts including poetry, short stories, novels, non-fiction articles, and film. The class will be strongly rooted in student choice when determining specific texts to read, and the way in which students interact with the texts and each other will have an emphasis on discussion and creative response projects. This class will review and revisit literature concepts related to plot, characterization, and themes that have been addressed in students' core English courses previously. NCAA APPROVED.

Mythology (EN 124)

Credit: .5

Grades: 11-12

Prerequisite: None

This class focuses on reading myths from various cultures to give students a glimpse of the histories, traditions, and priorities of the cultures. The class will include units on creation myths, flood myths, archetypes, and apocalypse myths from various cultures before going into more depth on Egyptian, Norse, and Greek mythology. The class includes reading independently, small-group discussions, whole-group presentations, and individual and group projects. NCAA APPROVED

Short Novels (EN 126)

Credit: .5

Grades: 9-12

Prerequisite: None

This class is designed for students who need more time for reading and want to improve their reading rate and comprehension. A variety of genres are used, including but not limited to newspapers, magazines, short stories, novels, and biographies to explore written text and literature as a record of human experience. NCAA APPROVED

Film Studies (EN 125)

Credit: .5

Grades: 11-12

Prerequisite: English 9 & English 10

Film studies is a course intended to familiarize students with the particulars of film history as well as to provide them with a chance to analyze film as a visual art form, which should appeal to any and all students who love to watch movies and discuss them. This course focuses on examining film through narrative storytelling, mise en scene (the setting and arrangement of scenery and stage properties in a play), cinematography, editing, sound, documentaries, animation, and experimental films. With each new movie, students learn about its history, cultural significance, and how it relates to the current unit. A brief discussion and quiz follow each screening. In addition, creative writing will be emphasized in each unit. Anything People Should Know: A good portion of the score for this class is based on contributing to class discussions.

➤ ADVANCED ENGLISH ELECTIVES

UNC College Composition (ENG 122)

Credit: .5 (Weighted) / 3.0 UNC	Grades: 11-12
Prerequisite: B or above in either Honors English or English 10	
Fee: None	*College Credit*
<p><i>This is a concurrent enrollment course offered through the University of Northern Colorado. This course is designed for college-bound seniors. The main focus will be on college-level writing tasks and college-level research skills. Students will explore topics in the language arts, social studies, and sciences. This class will get students ready for their transition to college academics. This course is reading, writing, and homework intensive. NCAA APPROVED</i></p>	

UNC College Research Paper (ENG 123)

Credit: .5 (Weighted) / 3.0 UNC	Grades: 11-12
Prerequisite: C or above in ENG 122	
Fee: None	*College Credit*
<p><i>This is a concurrent enrollment course offered through the University of Northern Colorado. Instruction in diction, style, logical analysis, research techniques and organization of college-level research papers. (LAC, gtP) English 123 is a semester-long course that focuses on academic research and the deep study of rhetoric/argumentative techniques. Students in the course compose an extended academic argument during the semester. The Colorado Commission on Higher Education has approved English 123 for inclusion in the Guaranteed Transfer (GT) Pathways program in the gt-CO1 category. NCAA APPROVED</i></p>	

AP Literature & Composition A/B (EN 220/221)

Credit: 1.0 (Weighted)	Grade: 11-12
Prerequisite: B or above in English 10 and AP Language & Composition	
Fee: \$100 (exam)	
<p>The AP Literature and Composition course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. NCAA APPROVED</p>	



> MATHEMATICS

Algebra I (MA 100/101)

Credit: 1.0

Grades: 9-12

Prerequisite: None

This standards-based course emphasizes mathematical modeling through problem solving to support conceptual understanding, skill acquisition, and application. Relevant instruction and interactive learning activities cover: Solving Equations and Inequalities, Linear Functions, Linear Models, Systems of Linear Equations and Inequalities, an Introduction to Nonlinear Functions, Exponents and Exponential Functions, Polynomials and Factoring, Quadratic Functions, Solving Quadratic Equations, Radical Functions and Statistics. NCAA APPROVED

Geometry (MA 102/103)

Credit: 1.0

Grades: 9-12

Prerequisite: Algebra I

This standards-based course emphasizes mathematical modeling through problem solving to support conceptual understanding, skill acquisition, and application. Relevant instruction and interactive learning activities cover: Foundations of Geometry, Parallel and Perpendicular Lines, Transformations, Triangle Congruence, Relationships in Triangles, Quadrilaterals, Similarity, Right Triangles and Trigonometry, Coordinate Geometry, Circles, Two-and Three-Dimensional Models, Probability. NCAA APPROVED

Algebra II A/B (MA 114/115)

Credit: 1.0

Grades: 9-12

Prerequisite: Geometry

This standards-based course emphasizes mathematical modeling through problem solving to support conceptual understanding, skill acquisition, and application. Relevant instruction and interactive learning activities cover: Linear Functions and Systems, Quadratic Functions and Equations, Polynomial Functions, Rational Functions, Rational Exponents and Radical Functions, Exponential and Logarithmic Functions, Trigonometric Functions, Trigonometric Equations and Identities, Conic Sections, Matrices, Data Analysis and Statistics, Probability. NCAA APPROVED

Pre-Calculus A/B (MA 120/121)

Credit: 1.0

Grades: 10-12

Prerequisite: B or above in Algebra II

This course prepares students with the fundamental skills needed to be successful in Calculus including: Graphs and their Functions, Linear and Quadratic Functions, Polynomial and Rational Functions, Exponential and Logarithmic Functions, Trigonometric Functions, Analytic Trigonometry, Applications of Trigonometric Functions, Polar Coordinates; Vectors, Analytic Geometry, Systems of Equations and Inequalities, Sequences; Induction; the Binomial Theorem, Counting and Probability, and A Preview of Calculus: The Limit, Derivative, and Integral of a Function. NCAA APPROVED

College Algebra A/B (MA 132/133)

Credit: 1.0

Grades: 11-12

Prerequisite: Algebra II

This course will support the development of conceptual understanding and analytical skills in algebraic thinking. Topics include: A review of basic concepts, Equations and Inequalities, Graphs and Functions, Polynomial and Rational Functions, Inverse, Exponential, and Logarithmic Functions, Systems and Matrices, Analytic Geometry, and further topics in Algebra. NCAA APPROVED

UNC Calculus I A/B (MA 131A/131B)

Credit: 1.0 (Weighted) / 4.0 UNC

Grades: 11-12

Prerequisite: Pre-Calculus

Fee: None

College Credit

This is a concurrent enrollment course offered through the University of Northern Colorado. This course will support the development of mathematical understanding and skills of calculus concepts and will work with functions represented graphically, numerically, analytically, and verbally; will be able to model real-world behavior and solve a variety of problems using functions, derivatives, and integrals and be able to communicate solutions effectively; and be able to use graphing calculators to support the problem solving process. NCAA APPROVED

> MATHEMATICS cont.

UNC Calculus II A/B (MA 132A/132 B)

Credit: 1.0 (Weighted) / 4.0 UNC Grades: 11-12

Prerequisite: MA 131 with minimum grade of C

Fee None

College Credit

This is a concurrent enrollment course offered through the University of Northern Colorado. This course covers the integration and applications of integration, sequences and series. NCAA APPROVED

UNC Statistics A/B (STAT 150)

1.0 (Weighted) / 3.0 UNC Grades: 11-12

Prerequisite: Algebra 2 with a C or higher

Fee None

College Credit

This is a concurrent enrollment course offered through the University of Northern Colorado. Study techniques used in organizing data, including frequency distributions, histograms, measures of central tendency, measures of dispersion, probability distributions, point estimation, interval estimation and testing hypotheses. NCAA APPROVED

Applied Statistics (MA 107) (1st Semester Only)

Credit: .5 Grades: 10-12

Prerequisite: Algebra II

This class is recommended for those who are planning to seek a college-level degree requiring statistics. This course supports student understanding of statistics and interaction with data in order to think about and describe the world around them. Topics include: working with data sets, sampling techniques, frequency distributions, measures of central tendency, measures of variation, measures of position, basic concepts of probability and counting, and discrete probability distributions and normal probability distributions. NCAA APPROVED

Trigonometry (MA 106) (2nd Semester Only)

Credit: .5 Grades: 10-12

Prerequisite: Algebra II

This course supports students' conceptual understanding and the analytical skills necessary for success in mathematics including: Trigonometric Functions, Acute Angles and Right Triangles, Radian Measure and the Unit Circle, Graphs of the Circular Functions, and Trigonometric Identities. NCAA APPROVED

Finance Math (MA 118) (1st Semester Only)

Credit: .5 Grade: 12

Prerequisite: Teacher placement only

This alternative course will support students in developing an understanding of personal finance concepts with real-world connections and projects covering important topics including: managing your money, managing expenses such as cash purchases, charge accounts, credit cards, and loans, making financial decisions involving vehicle transportation, house costs, insurance, and investments, making business decisions concerning personnel, purchasing and inventory, sales, and marketing, and managing business finances such as services, accounting, and financial management.

Introduction to Statistics (MA109) (2nd semester only)

Credit: .5 Grade: 12

Prerequisite: Geometry

This is an introductory course in basic statistics and probability. Topics explored include populations, classifying data, types of sampling techniques, histograms, mean-median-mode, stem-and-leaf plots, standard deviation, box-and-whisker plots, and determining probabilities. NCAA APPROVED

Biology A/B (SC 101/102)

Credit: 1.0

Grades: 9-12

Prerequisite: None

This course is one-year study of life with labs infused throughout the course. First semester will focus on basic biology concepts which include an understanding of energy requirements in living systems, organic compounds, enzyme systems, transport mechanisms, cells, cellular respiration, photosynthesis, and genetics. Second semester will focus on how DNA is related to cell growth, protein synthesis, and genetics with implications on life in the future. Inheritance, genetic diseases and disorders, genetic engineering, DNA extraction, and the principles of evolution of plants and animals can be incorporated with genetic concepts. Also included will be studies of human body systems, microbiology, and classification of plants and animals. NCAA APPROVED

Honors Biology A/B (SC 111/112)

Credit: 1.0

Grades: 9-10

Prerequisite: None.

This course is for those students who have a strong interest in biology and intend to take advanced biology courses in the junior and seniors years. Topics covered include: characteristics of life, biochemistry, cells (energy, growth, and reproduction), genetics, bio-technology, evolution, survey of the kingdoms, and body systems. The honors section of this course reflects rigorous content, materials, and student expectations. Students must meet the criteria for acceptance into this section. Students will be expected to complete a research paper or project which includes: primary sources, a synthesis of those sources, a demonstration of advanced planning by students, and a formal presentation of the paper or project. NCAA APPROVED

ChemCom A/B (SC 104/105)

Credit: 1.0

Grades: 10-12

Prerequisite: Biology

This is an introductory chemistry course that adheres to the basic content of Chemistry. Though math is de-emphasized, it is still a component of the class. This course takes an environmental and applied approach to chemistry. This course is suggested for students who plan to pursue a vocational occupation after high school. NCAA APPROVED

Chemistry A/B (SC 106/107)

Credit: 1.0

Grades: 10-12

Prerequisite: Biology/Honors Biology + Algebra 1

Chemistry is highly recommended for those students who are planning to seek a college-level degree after high school. The course material will be especially beneficial to those who will enter any science, engineering, medical, agriculture, or environmental major in college. It is designed to strengthen the student's background in physical science, prepare a student for a 100 level college chemistry course, and enhance the student's quantitative abilities. It is recommended that students taking this class have had at least a "B" average in Algebra I. *Students must pass the first semester to continue to the second semester of Chemistry. NCAA APPROVED

Physics A/B (SC 108/109)

Credit: 1.0

Grades: 11-12

Prerequisite: Chemistry/ChemCom + Algebra 1

This course is essential for anyone wishing to pursue a career in science or engineering. First semester will focus primarily on classical mechanics and serve as a foundation for future study in physics. Second semester will examine thermodynamics, sound waves, properties of light, and other physics concepts. If time is permitting further topics could include: relativity, quantum theory, nuclear reactions, nuclear power, and half-life. NCAA APPROVED

> SCIENCE ELECTIVES

Anatomy & Physiology A/B (SC 201/202)

Credit: 1.0

Grades: 10-12

Prerequisite: Biology/Honors Biology + Chemistry/ChemCom (or concurrent with Chemistry/ChemCom)

This course provides a deeper exploration of the human body and biological systems in great detail. Students expand their knowledge of the body and terminology/phonetic pronunciations used to describe and locate body parts as well as an overall review of human development and body processes. **This is also a CTE course.** NCAA APPROVED

AP Chemistry A/B (SC 203/204)

Credit: 1.0 (Weighted)

Grades: 11-12

Prerequisite: Chemistry

Fee: \$125 (\$100 exam, \$25 lab costs)

This course is structured around the six big ideas articulated in the AP Chemistry curriculum framework provided by the College Board. A special emphasis will be placed on the seven science practices, which capture important aspects of the work that scientists engage in, with learning objectives that combine content with inquiry and reasoning skills. AP Chemistry is open to all students that have completed a year of chemistry who wish to take part in a rigorous and academically challenging course. NCAA APPROVED

Astronomy (SC 205)

Credit: .5

Grades: 11-12

Prerequisite: Chemistry/ChemCom + Algebra 1

Where did we come from? Where are we going, and why do I care? Join this course for an astronomical journey from the singular existence of the Big Bang, to the far off death of our star. You will explore the inner workings of the universe and our magnificent planet Earth. Nebulas, black holes and plate tectonics...oh my! Students who choose astronomy should have a comfortable understanding of algebra, the ability to perform rigorous research and an open mind. Class will consist of lecture, research and activities. NCAA APPROVED

Forensic Science (SC 207)

Credit: .5

Grades: 11-12

Prerequisite: Biology + Chemistry/ChemCom + Geometry

Fee: \$10 (lab costs)

This course uses a hands-on laboratory class setting to expose students to the techniques and investigation practices of real investigators. This course is designed for juniors and seniors who are interested in the forensic science field. Students will gain experience in the major investigative techniques currently used by forensic scientists and crime scene investigators that lead to the prosecution of criminals. Students will get hands-on opportunities to use scientific processes and critical thinking skills to analyze physical evidence, investigation activities, and do case study readings. Some of the topics to be covered include crime scene documentation, forensic serology, bloodstain pattern analysis, fingerprinting, vehicle track and dental casting, and forensic DNA analysis techniques.

Sports Medicine A/B (SC 209/210)

Credit: 1.0

Grades: 11-12

Prerequisite: Anatomy and Physiology

This course provides high school students with a general overview of the athletic training profession, and other related health care professions in the field of sports medicine. It includes introductory information about scope of practice, legal and ethical responsibilities, injury prevention, treatment, rehabilitation, emergency management and administrative functions. This course is intended to help students gain an understanding of the field of sports medicine. This course is not meant to encourage or allow the student to perform the functions of a licensed healthcare professional. Students will be given the opportunity to earn American Red Cross certification by completing the Responding to Emergencies curriculum. This is also a CTE course.

> REGARDING COURSE FEES

For courses which have fees, these may be reduced or waived for students qualifying for free and reduced lunch. Please contact your counselor to find out if you qualify.

> SCIENCE ELECTIVES cont.

UNC Biology: From Atoms to Cells (BIO 110A/110B)	
Credit 1.0 (Weighted) / 4.0 UNC	Grades: 10-12
Prerequisite: Biology/Honors Biology + Chemistry (or concurrent with Chemistry)	
Fee: \$25 (lab costs)	*College Credit*
<p>This is a concurrent enrollment course offered through the University of Northern Colorado. This is an introductory college-level biology course which examines biological principles from cells to communities, especially structure and function. Students will explore genetics, metabolism, physiology, and homeostasis. This course will help build a foundation of knowledge about how organisms live and survive. <i>This course will replace AP Biology.</i></p>	

UNC Introduction to Human Anatomy & Physiology (BIO 245A/245B)	
Credit: 1.0 (Weighted) / 4.0 UNC	Grades: 11-12
Prerequisite: Biology/Honors Biology + Anatomy & Physiology + Chemistry	
Fee: \$25 (lab costs)	*College Credit*
<p>This is a concurrent enrollment course offered through the University of Northern Colorado. This is an introductory college-level human anatomy & physiology course. Students enrolled in this course will be able to define homeostasis and describe how it is different from the concept of equilibrium; describe the major organizational levels of the human body; identify gross anatomical and histological structures of the integumentary, musculoskeletal, nervous, endocrine, cardiovascular, digestive, renal, urogenital, respiratory, and immune systems; use foundational chemical and physical principles to explain processes in cellular physiology; demonstrate/model the roles of feedback mechanisms in physiology by using cellular and gross-level examples. This course is designed for students interested in pursuing a career within the medical field. This is also a CTE course.</p>	

Aims ENV 1111 A/B - Environmental Science with Lab (ENV1111A/1111B)	
Credit: 1.0 (Weighted) / 4.0 AIMS	Grades: 10-12
Prerequisite: Biology/Honors Biology + Chemistry (or concurrent with Chemistry) and Algebra 1	
Fee: \$25 (lab costs)	*College Credit*
<p>This is a concurrent enrollment class through Aims Community College. Aims Environmental Science 101 provides an introduction to the basic concepts of ecology and the relationship between environmental problems and biological systems. This course includes interdisciplinary discussions on biology, chemistry, geology, energy, natural resources, pollution, and environmental protection. Using a holistic approach, students will study how the foundations of natural sciences interconnect with the environment. Laboratory experience is included. This course is a statewide guaranteed transfer course GT-SC1 but cannot be applied toward an Associate of Science degree. This is also a CTE course. NCAA APPROVED</p>	

	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
Required	Biology or Honors Biology	Chemistry or ChemCom	Physics or Elective	Physics or Elective
Electives		Aims Environmental Sci Anatomy & Physiology UNC Biology	Aims Environmental Sci Anatomy & Physiology AP Chemistry Astronomy Forensics Sports Medicine UNC Anatomy & Physiology UNC Biology	Aims Environmental Sci Anatomy & Physiology AP Chemistry Astronomy Forensics Sports Medicine UNC Anatomy & Physiology UNC Biology
Health Science Pathway	Biology or Honors Biology	Chemistry + Anatomy & Physiology	UNC Anat & Phys + Sports Medicine +/ Nurse Aide/Nurse Aide Clinical*	Work Based Learning

*Not available for science credit

> SOCIAL STUDIES

World Geography A/B (SS 100/101)

Credit: 1.0

Grade: 9

Prerequisite: None

The first semester of World Geography focuses on physical and human geography. Topics will include location, place, human and environmental interactions, movement, and region. Areas of study will include the United States, Canada, Latin America, and Western Europe. The second semester will cover the regions of Eastern Europe, Asia, Oceania and the Pacific World, and Africa. NCAA APPROVED

Honors World Geography A/B (SS 110/111)

Credit: 1.0

Grade: 9

Prerequisite: Teacher Recommendation

This course is designed for students to explore the impact both human and physical geography have had on the globe. Students will explore the historic, geographic, economic and civic movements that have taken place throughout the world. This Honor's classes will analyze primary and secondary sources, graphs, charts, and infographics to determine the impact Geographic themes have on people, nations, government decisions, economic decisions, the environment, changes in culture, and globalization. NCAA APPROVED

World History A/B (SS 102/103)

Credit: 1.0

Grade: 10

Prerequisite: None

This course is an overview of the time period from the Renaissance through modern world issues and an introduction to economics. The purpose of this course is to increase each student's understanding of Western civilization while looking at its transformation during different historical periods. We will investigate the continuous process of change that takes place in the West due to internal and external events. With each historical period we will look at the economic, ideological, political, and social changes. NCAA APPROVED

Honors World History A/B (SS 112/113)

Credit: 1.0

Grade: 10

Prerequisite: Honors World Geography or World Geography with Teacher Recommendation

Honors World History is a year-long course that explores European and non-western civilizations through key concepts and themes. With each historical period we will look at the economic, ideological, political, and social changes. Historical thinking skills, such as interpretation and analysis, are specific areas of emphasis. Honors World History students will also develop their ability to read critically and write analytically. This rigorous course is designed to prepare students for higher intellectual levels of engagement as they progress into subsequent social studies courses. At the Honors level, the class moves at an accelerated pace and students are expected to analyze, synthesize, and evaluate information in greater depth. Assessments include various types of formal writing, research projects, tests, paired text analysis, individual and group projects, presentations, and Document Based Question essays. NCAA APPROVED

United States History A/B (SS 104/105)

Credit: 1.0

Grade: 11

Prerequisite: None

The first semester examines our history between 1865 and 1914. Major areas of study include: Westward Expansion, Urbanization, Immigration, and Imperialism. The second semester examines our history and development from 1914-1985. The major areas of study include World War I, the Great Depression, World War II, the Korean War, the 1950's, Civil Rights, Vietnam, Social, Political and Cultural Changes, Watergate, the Energy Crisis, and mid-eastern turmoil and Conservative movement. NCAA APPROVED

American Government (SS 106)

Credit: .5

Grade: 12

Prerequisite: None

This course is an overview of the fundamental structure of our federal government and the American political system. Topics include a comparison between various forms of government and economic systems, the historical development of our government under the Constitution, the structure, functions and powers of the three branches of our national government and its relationship to the States. The course also examines how the Constitution historically and currently provides opportunities for the American people to engage with our federal system of government and be an instrument of reform, including the various forms of political participation (e.g. voting, interest group membership) to civic engagement in communities and the legal system. NCAA APPROVED

> SOCIAL STUDIES ELECTIVES

AP United States History A/B (SS 120/121)

Credit: 1.0 (Weighted)

Grades: 11-12

Prerequisite: B or above from a previous history class.

Fee: \$100 (exam)

In AP US History, students will study the cultural, economic, political, and social developments that have shaped the United States from c. 1491 to the present. Students will analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments. NCAA APPROVED

AP United States Government & Politics (SS 122)

Credit: .5 (Weighted)

Grades: 11-12

Prerequisite: B or above from a previous history class.

Fee: \$100 (exam)

In AP US Government and Politics, students will study the key concepts and institutions of the political system and culture of the United States. You'll read, analyze, and discuss the U.S. Constitution and other documents as well as complete a research or applied civics project. NCAA APPROVED

Sociology (SS 109)

Credit: .5

Grades: 11-12

Prerequisite: 9th graders with a 220 RIT score on NWEA Reading

Sociology is the study of society and how humans act in groups. People who study sociology are called sociologists. For this elective semester course, students will apply their skills and knowledge to research sociology. Students will have an opportunity to further understand the relationship of mankind in society. Problems, relationships, and institutions will all be explored. This course will enable students to apply skills and knowledge gained through earlier courses and will provide opportunities to better understand real-world problems and issues people face in the world today. NCAA APPROVED

Current Events (SS 125)

Credit: .5

Grades: 10-12

Prerequisite: None

Using current events, this elective course focuses on world and local issues that affect students' everyday lives, such as conflict, government and economics. This course uses newspapers, online media, cartoons, and newscasts to support class discussions. Additionally, students participate in guided group projects, presentations and work with primary source materials and opinion pieces in order to better understand the world around them. NCAA APPROVED

Historical Conflicts & Interventions (SS 115)

Credit: .5

Grades: 11-12

Prerequisite: C or higher from previous history class.

The objective of this course is to trace the history of genocide in the 20th century and how history, politics, economics and psychology converge to create environments where conflicts occur and the humanitarian intervention to stop it. The course discussion starts with the Armenian conflict during the first World War. Humanitarian Intervention studies will also include the Holocaust, Cambodia under the Khmer Rouge, wars in Bosnia, Rwanda, Kosovo and Darfur conflicts (etc.). The final unit of this course will explore the international criminal court and criminal tribunals that investigate and/or punish the perpetrators of genocide. Learners will explore the acts of intervention taken over time in order to stop genocide from happening all over the world. NCAA APPROVED

> REGARDING COURSE FEES

For courses which have fees, these may be reduced or waived for students qualifying for free and reduced lunch. Please contact your counselor to find out if you qualify.

> SOCIAL STUDIES ELECTIVES cont.

History of Sports (SS 153)

Credit: .5

Grades: 9-12

Prerequisite: None

Designed to provide the student with a comprehensive understanding of the role sports has in our culture as well as the historical analysis of various sports. We will examine the origin of athletics and how sports have evolved over time to become highly organized, socially promoted and corporately sponsored careers. Students will gain historical knowledge about the origins and development of various sports in America as well as worldwide. Our historical study will focus on helping students gain a better understanding of the inner relationship that sports has on social, economic, cultural, and political forces as well as issues that have affected sports such as gender, discrimination, race bias, and class economics. The course will consist of readings, films, discussions, projects and group presentations. NCAA APPROVED

UNC Principles of Psychology A/B (PSY 120A/120B)

Credit: 1.0 (Weighted) / 3.0 UNC

Grades: 11-12

Prerequisite: None

Fee: None

College Credit

This concurrent enrollment course offered through the University of Northern Colorado. This course focuses on the scientific study of behavior including motivation, emotion, physiological psychology, stress and coping, research methods, consciousness, sensation, perception, learning, and memory. This course is a state guaranteed transfer course. NCAA APPROVED



**WITH SELF-DISCIPLINE ALL THINGS ARE POSSIBLE. WITHOUT IT,
EVEN THE SIMPLEST GOAL CAN SEEM LIKE THE IMPOSSIBLE DREAM.**

- THEODORE ROOSEVELT

Drawing (AR 105)

Credit: .5

Grades: 9-12

Prerequisite: None

Fee: \$20

Students will create and design using project-based lessons focusing on 2D art. Students will be exposed to concepts such as, line, shape, form, texture, perspective, value, and composition. We will study different styles of drawing and create art inspired by that learning. A variety of materials will be used such as pencil, ink, pastels, charcoal, and possibly other forms of drawing. Those who take Drawing more than once will strengthen drawing techniques that lead to creating more professional finished product. Students will also move from skill building into individualized student-led work. Students will be expected to produce a number of high-level works that demonstrate their drawing skills.

Painting (AR 108)

Credit: .5

Grades: 9-12

Prerequisite: None

Fee: \$30

Painting covers color theory, principles and elements of art as they apply to painting, and artists that have made a substantial impact on the world of painting. Works of art will start off using watercolor as a tool of exploration and mastery and transition into acrylic paints for more advanced techniques and skill building. Those who take Painting more than once will further explore painting techniques in watercolor, acrylic, and multimedia/3D techniques for continual exploration and learning. We will cover techniques such as painting over multimedia layers, art construction, printmaking, and collage using a wide variety of mediums. Students will be expected to be self-reflective and have a direction where they want to go in their work. A reflective workbook will be used for students to use to compile and create a theme that can be explored for continual growth.

Painting II (AR 109)

Credit: .5

Grades: 10-12

Prerequisite: Painting I

Fee: \$30

In this class, students will expand their knowledge and skills in 2D painted projects. Advanced painting and printmaking techniques will be learned and there will be an emphasis on individual work.

Ceramics I (AR 110)

Credit: .5

Grades: 9-12

Prerequisite: None

Fee: \$30

Students will learn how to hand build utilitarian and sculptural forms using clay. Techniques used include pinch, model, coil, and slab construction. Students will have an opportunity to experience throwing clay on a professional potter's wheel. Surface design and glazing techniques will also be taught and applied for continual learning.



Ceramics II (AR 111)

Credit: .5 Grades: 10-12

Prerequisite: Ceramics I

Fee: \$30

In this class, students will expand their knowledge and skills in building 3D projects that are both functional and sculptural. Advanced wheel throwing techniques will be learned. High firing and low firing glazes will be used in this class to expand student learning. Advanced pottery techniques will be taught and independent work will be encouraged.

Graphic Design & Illustration I A/B (TE 214/215)

Credit: 1.0 Grades: 9-12

Prerequisite: Either 8th Grade Media or Digital Media

This entry level course is for training in the visual communication portion of all media businesses. Students learn about a career in the many kinds of media and graphic design and illustration jobs. Digital photography and working towards the intermediate level use of image editing and drawing programs are strongly focused upon in this class. This is helpful for any future photographer, videographer, animator, or advertiser. Students will begin developing a high-quality portfolio for college or design school. This is also a CTE course.

Honors Art (AR 300/301)

Credit: 1.0 Grades: 10-12

Prerequisite: B or above in two art classes. Permission from teacher

Fee: \$30 materials

Honors Art is a class for students to further develop their artistic skills. The class is not focused on any specific discipline, but allows the student to create their own path using any and all art forms. You will be expected to plan ahead and be self driven. This will have significantly higher expectations than previous art classes. You **MUST** have teacher approval from before signing up for this class. This class is the best choice for students that have proven themselves in the art room, but aren't yet ready to take a full Advanced Placement class.

AP 2D Art & Design A/B (AR 203/204)

Credit: 1.0 (Weighted) Grades: 10-12

Prerequisite: Two previously taken art classes with B or higher

Fee: AP Exam Fee \$100, \$30 materials

In this course, you will develop your skills in a two-dimensional medium such as graphic design, photography, collage, printmaking, and others as you learn the principles of 2-D design. You'll create artwork that reflects your own ideas and skills and what you've learned.

AP 3D Art & Design A/B (AR 205/206)

Credit: 1.0 (Weighted) Grades: 10-12

Prerequisite: Two previously taken art classes with B or higher

Fee: AP Exam Fee \$100, \$30 materials

Develop 3-D skills in materials and processes, such as sculpture, architectural rendering and models, metal work, ceramics, glass work, and others. You'll create artwork that reflects your own ideas and skills and what you've learned.

AP Drawing A/B (AR 207/208)

Credit: 1.0 (Weighted) Grades: 10-12

Prerequisite: Two previously taken art classes with B or higher

Fee: AP Exam Fee \$100, \$30 materials

Develop your skills in drawing as you experiment with different materials and processes. You'll create artwork that reflects your own ideas and skills and what you've learned.

MUSIC & PERFORMING ARTS

Marching Band/Concert Band A/B (MUS 100/101)

Credit: 1.0	Grades: 9-12
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Prerequisite: Wind and percussion players should have previous training on their instruments, basic musical literacy, or instructor approval. Those without experience are encouraged to speak to the instructor before the summer. Members of the visual ensemble are admitted by audition the previous spring, and if no secondary instrument is played, only have to register for marching band.

Fee: \$50 yearly, \$32 for Marching Shoes (new members), \$45 for use of school instrument for the whole year

Instructional emphasis is placed on improving skills in musicianship, marching, maneuvering, and showmanship. The Roosevelt Rough Rider Marching Band performs at all RHS home football games, selected regional marching competitions, festivals, and local parades. Band members will participate in band camp prior to the school year. In addition, there may be night rehearsals that are required of members. Participation at rehearsals and performances is required. Since Marching Band consists of the first quarter, students will participate in a concert band setting for the rest of the year.

Jazz Band A/B (MUS 103/104)

Credit: 1.0	Grades: 10-12
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Prerequisite: 1 year Marching/Concert Band and audition required

Band members will audition and enroll for the class with the instructor's approval. Students who do not play traditional band instruments may audition on bass guitar, electric guitar, and piano. The instructor may make exceptions to these prerequisites in certain situations. The jazz band is a select ensemble for serious students interested in performing and learning about music in the jazz idiom. This class is for the student that possesses better than average musical skills. Students will learn about jazz history as well as various jazz styles and become comfortable with improvisation. The jazz band performs several concerts each year and plays for various functions in the area. Participation in concerts and other performances is required.

String Orchestra A/B (MUS 105/106)

Credit: 1.0	Grades: 9-12
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Prerequisite: Must have their own orchestral string instrument (Violin, Viola, Cello, String Bass)

Open to all students, the RHS String Orchestra is designed to prepare students with the fundamental techniques to play a string instrument. Previous experience on violin, viola, cello, or string bass is strongly suggested but not required. Members will rehearse and perform a variety of orchestral string literature selected from standard and contemporary repertoire. Throughout the school year, the string orchestra will perform in 2-4 evening concerts, as well as other possible performances in the community and at music festivals.

Guitar I (MUS 110)

Credit: .5	Grades: 9-12
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Prerequisite: Student must have own guitar – acoustic guitar preferred

This course is designed for the BEGINNING guitar student. Students will learn basic guitar chords, progressions, and note playing, and beginning tab, care, and guitar maintenance. Students will be expected to play a variety of musical styles.

Guitar II (MUS 115)

Credit: .5	Grades: 9-12
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Prerequisite: Student must have own guitar – acoustic guitar preferred

This course is designed to further each student's musical abilities through playing the guitar. Students will be evaluated on their ability, and instruction will be based on the student's playing ability. Different areas of instruction will include reading music, playing tab, and reading chord symbols. Students will be expected to play a variety of musical styles.

> MUSIC & PERFORMING ARTS cont.

History of Rock & Roll (MUS 116)

Credit: .5	Grades: 9-12
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Prerequisite: None

This class will study one of the most influential forces of the 20th Century: Rock and Roll. Emphasis will be placed on understanding the social and cultural contexts of various forms of popular music. Students will learn form and texture in rock music. The format of this class will involve reading examples, video examples, research projects, and listening to Rock and Roll music. We will survey a wide array of music, from Elvis, to Aerosmith, to Zappa and many more influential Rock and Roll artists.

Concert Choir A/B (MUS 200/201)

Credit: 1.0	Grades: 9-12
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Prerequisite: None

Fee: \$25 plus concert attire

Concert Choir is a non-auditioned ensemble for singers of all ability levels and musical backgrounds. Students will learn about phrasing, musicality, tone, and blend through contemporary and classical repertoire spanning from the renaissance era to present day. At the end of each quarter, students perform in an on-campus evening concert.

Mixed Show Choir A/B (MUS 202/203)

Credit: 1.0	Grades: 9-12
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Prerequisite: Concert Choir A/B (or teacher approval), Audition required

Fee: \$25 plus concert attire

Mixed Show Choir is a select group of treble and tenor/bass singers that perform contemporary popular music with choreography while deepening their understanding of music theory and healthy singing. Dance experience is recommended but not required. The choir performs in an on-campus evening concert each quarter, as well as off-campus contests and festivals as deemed appropriate by the director.

A Cappella Choir A/B (MUS 204/205)

Credit: 1.0	Grades: 9-12
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Prerequisite: Concert Choir A/B (or teacher approval), Audition required

Fee: \$25 plus concert attire

A Cappella Choir is a select group of treble and tenor/bass singers that perform contemporary and classical music without accompaniment. Through challenging repertoire, students will practice music literacy and part independence before showcasing their work in an on-campus evening concert each quarter. The choir also performs at off-campus contests and festivals as deemed appropriate by the director.

Introduction to Theatre I (MUS 300)

Credit: .5	Grades: 9-12
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Prerequisite: None

Introduction to Theatre I is designed to provide students with a basic understanding of stagecraft, with emphasis on acting techniques. Students will learn in depth about pantomime, stage movement, vocal interpretation, and improvisation. At the end of the semester, students will showcase their learning in the performance of a one-act play.

> REGARDING COURSE FEES

For courses which have fees, these may be reduced or waived for students qualifying for free and reduced lunch. Please contact your counselor to find out if you qualify.

> MUSIC & PERFORMING ARTS cont.

Introduction to Theatre II (MUS 302)

Credit: .5

Grades: 9-12

Prerequisite: Theatre I

Intro to Theatre II expands on the concepts of Theatre I while exploring the history of theatre from antiquity to present day. In addition to specific plays, topics covered in depth include Shakespeare, commedia dell'arte, compelling characterization, directing, and monologue preparation.

Technical Theatre (MUS 305)

Credit: .5

Grades: 9-12

Prerequisite: Introduction to Theatre I or teacher approval

Technical Theatre covers the multitude of jobs that happen behind the scenes in theatre. Through this course, students will learn and apply the basic skills of carpentry, lighting, sound, properties, make-up, and costuming work. This class also offers a differentiated curriculum for students enrolled more than once.

Theatre Internships (MUS 307)

Credit: .5

Grades: 9-12

Prerequisite: Completed one semester of Introduction to Theatre, one semester of Theatre Tech, and have teacher approval

DIRECTING

Student director would be working with student groups in Introduction to Theatre, after school productions with RHS students or with MMS students.

LIGHTS & SOUND

Student would develop lighting and sound plans for productions at RHS. They would be expected to be at rehearsals and need to have sound and light board experience.

AP Music Theory A/B (Mus 310/311)

Credit: 1.0

Grades: 10-12

Prerequisite: Must be enrolled in marching band/concert band, choir, or orchestra

Fee: \$100 (exam)

Learn to recognize, understand, and describe the basic materials and processes of music. You'll develop skills by listening to, reading, writing, and performing a wide variety of music.



> PHYSICAL EDUCATION

Physical Education 9 (PE 100)

Credit: .5	Grade: 9
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Prerequisite: None

Included will be instruction in the skills and rules of individual sports such as fitness, badminton, pickleball, etc., and team sports such as basketball, handball, football, volleyball, soccer, and softball. Emphasis will be on knowledge and development of fitness including the components of cardiovascular endurance, flexibility, and strength.

Health Education (PE 101)

Credit: .5	Grade: 9
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Prerequisite: None

Topics will include fitness, mental health, first aid, CPR, sexuality, drugs/alcohol and nutrition. Emphasis is on positive behavior change through the development of skills and decision-making abilities as well as knowledge.

Advanced Physical Education (PE 102)

Credit: .5	Grades: 10-12
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Prerequisite: PE 9

Instruction will be given on team sports such as volleyball, floor hockey, basketball, soccer, softball, wrestling, and individual sports such as badminton. Emphasis will be on game play and strategies as well as fitness.

Conditioning (PE 106)

Credit: .5	Grades: 9-12
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Prerequisite: PE 9 or coach's recommendation

Fee: \$20

Students will study the major muscle groups of the human body and what specific lifts work those muscle groups. Students will weight lift on a split program. One day a week will be set aside for cardiovascular conditioning. Must maintain a "B" in class to repeat course another semester.

Lifetime Sports (PE 108)

Credit: .5	Grade: 12
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Prerequisite: PE 9

Fee: Field trip fees (up to \$100)

Instruction will be given in skills and rules of many sports that provide life-time enjoyment. Such sports include: basketball, badminton, volleyball, softball, golf, swimming, bike riding, etc. There will also be field trips such as shooting, skiing, snow shoeing, bowling, golfing, rock climbing, etc. Some equipment may need to be provided by participants.

Power Hour Fitness (PE 110)

Credit: .5	Grade: 10-12
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Prerequisite: Must have passed PE 9

Power Hour Fitness (PHF) is a total-body group workout that combines science, coaching and technology to guarantee maximum results from the inside out. It is heart rate-based interval training. Students will participate in cardiovascular exercises such as spin, step aerobics, kickboxing, and more!

> REGARDING COURSE FEES

For courses which have fees, these may be reduced or waived for students qualifying for free and reduced lunch. Please contact your counselor to find out if you qualify.

> PHYSICAL EDUCATION cont.

Fit X (PE 120)

Credit: .5

Grades: 10-12

Prerequisite: C or above in PE9

This class is designed for students with a strong interest in fitness. Students will work on muscular strength and endurance as well as cardiovascular fitness every class meeting. Activities include, but are not limited to: plyometrics, circuit training, yoga, Pilates, aerobic activities, agility training, dance, and core strength.

Athletic Leadership (PE 109)

Credit: .5

Grade: 11-12

Prerequisite: PE 9 & Health, and must be in a sport

This course is designed for students with a strong interest in athletics/sports and want to learn the mental edge when it comes to competing, goal setting, leadership, and being successful on and off the court/playing field. This class will focus on the mental, physical, and emotional aspect of sports and how their mind/body works in pressure situations. Students will learn skills and strategies to help them perform and lead at their highest level. They will use those skills and strategies during the class, while participating and competing in a variety of sports in order to achieve that mental edge.

> WORLD LANGUAGE

Spanish I A/B (WL 100/101)

Credit: 1.0

Grades: 9-12

Prerequisite: None

This is an introductory course for all grade levels. The course is taught using communicative activities, group partner work, vocabulary building skills, and an introduction to basic grammatical structures in Spanish. **Spanish I is not a course for native speakers of Spanish.** NCAA APPROVED

Spanish II A/B (WL 102/103)

Credit: 1.0

Grades: 9-12

Prerequisite: "D" or above in Spanish I or teacher approval

Spanish II gives continued practice in all skill areas; speaking, writing, reading, and listening comprehension, while reviewing and expanding the grammatical structures and vocabulary presented in Spanish I. **Spanish II is not a course for native speakers of Spanish.** NCAA APPROVED

Spanish III A/B (WL 104/105)

Credit: 1.0

Grades: 11-12

Prerequisite: "C" or above in Spanish II or teacher approval

Students will continue to develop reading, writing, and speaking skills as they also learn about the Spanish-Speaking world. Native speakers with weak reading skills may benefit from Spanish III, but the focus is on developing speaking/listening skills for non-native speakers. NCAA APPROVED

Spanish IV A/B (WL 106/107)

Credit: 1.0

Grades: 11-12

Prerequisite: "C" or above in Spanish III or teacher approval

Students will continue to develop advanced reading, writing, speaking, and listening comprehension skills as they learn about the Spanish-speaking world. Internet interactions will be included as a means of acquiring more cultural information and literature will be used to advance reading skills. Spanish IV is appropriate for native speakers of Spanish that have had at least primary level formal schooling in Spanish. NCAA APPROVED

> WORLD LANGUAGE cont.

AP Spanish Language & Culture A/B (WL 108/109)

Credit: 1.0	Grades 11-12
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Prerequisite: "B" or above in Spanish IV, "A" in Spanish III, and teacher approval

Fee: \$100 for AP exam

This course covers the equivalent of a third-year college course in Spanish composition and conversation. It encompasses listening and speaking skills, reading comprehension, grammar, composition, and culture. The course seeks to develop language skills that can be applied to various activities and disciplines. Students are expected to take the AP Exam. AP Spanish is also appropriate and recommended for native speakers of Spanish that are close to grade level in their reading and writing ability in the language. NCAA APPROVED

Spanish Heritage Speakers I/II A/B (WL 110/111 or WL 112/113)

Credit: 1.0	Grades: 9-12
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Prerequisite: None

Spanish Heritage Speakers is a Spanish language arts class for students that do not want to lose their Spanish skills and/or want to enhance their reading and writing skills in Spanish. The focus is on developing reading comprehension and writing skills in Spanish. Vocabulary development and orthographic skills are stressed. These courses are good preparation for AP Spanish. NCAA APPROVED

German I A/B (WL 114/115)

Credit: 1.0	Grades: 9-12
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Prerequisite: None

German I is a beginning course for language novices with a playful, inquisitive mind. Emphasis is on language application and usage in skits, visual projects, creative writings, musical and rhythmic expressions, while building vocabulary, structures, cultural awareness and sensitivity. NCAA APPROVED

German II A/B (WL 116/117)

Credit: 1.0	Grades: 10-12
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Prerequisite: "D" or above in German I or teacher approval

German II gives continued practice in all skill areas: communication within the cultural contexts, creative writing tasks, reading comprehension and audio discrimination, while expanding structures, tenses and vocabulary. NCAA APPROVED

German III A/B (WL 118/119)

Credit: 1.0	Grades: 11-12
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Prerequisite: "D" or above in German II or teacher approval

German III is a course with integrated literature and current events readings from original sources. Students expand communication skills, become aware of cultural contexts, connect to other bodies of knowledge through the German language, compare and contrast their native language and culture with the language being studied, and participate in multilingual communities at home and around the world. NCAA APPROVED

German IV A/B (WL 120/121)

Credit: 1.0	Grades: 11-12
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Prerequisite: "C" or above in German III or teacher approval

German IV is a mixed and accelerated group of students with a curriculum that emphasizes such things as: writer's past, speaking in conversational past, future tense, present tense with modal constructions, and expanding to subordinate clauses. Students will participate in reading level-appropriate articles while making inferences and comparisons, geared to higher level thinking. Discussions about German culture, politics, and economy will be targeted. NCAA APPROVED

AGRICULTURE

AGRI BUSINESS PATHWAY

***ALL AGRICULTURE COURSES HAVE A FEE OF \$20. STUDENTS WILL ONLY BE CHARGED FOR THE FIRST AGRICULTURE CLASS EACH YEAR. THIS FEE PAYS FOR THE REQUIRED MEMBERSHIP INTO FFA.**

Level 1 Courses	Level 2 Courses	Level 3 Courses	Level 4 Courses
Introduction to Agriculture (A/B)	Principles of Ag Business (A/B)	Agriculture Sales & Marketing	Work-Based Learning (WBL) in Agriculture
			Aims: Ag Business
			Agricultural Leadership

Incoming 8th-grade students may register for Level 2 courses if they have completed a Level 1 course in middle school.

STUDENT ORGANIZATION: Colorado Future Farmers of America (FFA)

INDUSTRY CERTIFICATE OFFERED IN THIS PATHWAY:

- Ducks Unlimited Ecology Conservation & Management Certification

ANIMAL SCIENCE PATHWAY

Level 1 Courses	Level 2 Courses	Level 3 Courses	Level 4 Courses
Introduction to Agriculture (A/B)	Principles of Animal & Veterinary Sciences (A/B)	Animal Production & Management (A/B) Concurrent Enrollment with Northeastern Junior College ASC 1100	Work-Based Learning (WBL) in Agriculture
			Aims: Animal Science
			Agriculture Leadership

Incoming 8th-grade students may register for Level 2 courses if they have completed a Level 1 course in middle school.

STUDENT ORGANIZATION: Colorado Future Farmers of America (FFA)

INDUSTRY CERTIFICATES OFFERED IN THIS PATHWAY:

- AMSA Meat Evaluation Certification
- Fundamentals of Animal Science
- Ducks Unlimited Ecology Conservation & Management Certification

PLANT SCIENCE PATHWAY

Level 1 Courses	Level 2 Courses	Level 3 Courses	Level 4 Courses
Introduction to Agriculture (A/B)	Principles of Horticulture Science (A/B)	Greenhouse Production	Work-Based Learning in Agriculture
		Floriculture A	Agricultural Leadership

Incoming 8th-grade students may register for Level 2 courses if they have completed a Level 1 course in middle school.

STUDENT ORGANIZATION: Colorado Future Farmers of America (FFA)

INDUSTRY CERTIFICATES OFFERED IN THIS PATHWAY:

- Ducks Unlimited Ecology Conservation & Management Certification
- iCEV Benz School of Floral Design 1

POWER / STRUCTURE & TECHNOLOGY PATHWAY

Level 1 Courses	Level 2 Courses	Level 3 Courses	Level 4 Courses
Introduction to Agriculture (A/B)	Principles of Ag Power, Structure, & Technical Systems (A/B)	Engine & Equipment Technology (A)	Work-Based Learning in Agriculture
			Engine and Equipment Technology (B)
			Agriculture Leadership

Incoming 8th-grade students may register for Level 2 courses if they have completed a Level 1 course in middle school.

STUDENT ORGANIZATION: Colorado Future Farmers of America (FFA)

INDUSTRY CERTIFICATES OFFERED IN THIS PATHWAY:

- Ducks Unlimited Ecology Conservation & Management Certification
- National Safe Tractor and Machinery Operator/OSHA 10



Introduction to Agriculture A/B (AG 100/101)

Credit: 1.0

Grades: 9-11

Prerequisite: None

This is an introductory course for first year agriculture education students. This course introduces students to the foundational principles of agriculture, food, and natural resources. Students will gain knowledge in career development, leadership, personal development, communications, animal science, plant science, natural resources, food science, power/structure, and agribusiness.

Principles of Agriculture Business A/B (AG 210/211)

Credit: 1.0

Grades: 10-12

Prerequisite: Introduction to Agriculture A/B

In this course, students will be comparing and contrasting business models and identifying the advantages and disadvantages to owners and customers within the agribusiness chains. Students will show an understanding of basic record keeping skills and applications in an agribusiness. Components include the general journal, balance sheet, cash flow statements and financial statements, reconciliation of accounts, net worth, income statements, and profit and loss statements. Students will understand how these records can allow for business decisions within an agribusinesses or Supervised Agriculture Experience (SAE) program.

Principles of Animal & Veterinary Science A/B (AG 220/221)

Credit: 1.0

Grades: 10-12

Prerequisite: Introduction to Agriculture A/B

Students will develop knowledge, skills and understanding in the biological processes and physiological systems found in livestock and companion animal species including anatomy and physiology, growth and development, muscular and skeletal systems, integumentary system, respiratory and circulatory systems, nervous system, lymphatic and endocrine systems, and excretory system. The scientific processes of observation, hypothesizing, data gathering, interpretation, analysis, and application will be included. Career opportunities and educational preparation will be examined. Learning activities are varied with classroom, laboratory and field experiences will be included.

Principles of Horticulture Science A/B (AG 230/231)

Credit: 1.0

Grades: 10-12

Prerequisite: Introduction to Agriculture A/B

This course is designed to introduce students to the horticulture industry. Major units of instruction include horticulture research, horticultural careers, plant anatomy, seed germination, plant propagation, growing media, pest management, hydroponics, identifying horticultural plants, soil science, and growing greenhouse crops. Improving industry standard workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

Principles of Ag. Power, Structure, and Technical Systems A/B (AG 240/241)

Credit: 1.0

Grades: 10-12

Prerequisite: Introduction to Agriculture A/B

Principles of Ag Power, Structure, and Technical System-A is an introductory course educating students to the basic skills and knowledge in construction and land management. This course covers topics including safety, project management, landsite management, irrigation and drainage and agriculture structures and components. Upon completion of this course, proficient students will be prepared for more advanced coursework in agricultural mechanics. Students will participate in several activities that include welding.

REGARDING COURSE FEES

For courses which have fees, these may be reduced or waived for students qualifying for free and reduced lunch. Please contact your counselor to find out if you qualify.

Agriculture Sales & Marketing (AG 310)

Credit: .5

Grades: 10-12

Prerequisite: Principles of Ag Business

The selling and marketing of real-life agriculture products will be the focus of the class. The student will learn step-by-step sales techniques, stage presence, self-evaluation of voice, habits, abilities in sales, and understanding of sales careers. In marketing of the products: topics covered include market research, trade, and competition and pricing in relation to the development of a marketing plan for commodities or other agricultural products or services. Students will continue progress in FFA Leadership skills as well as strengthening their Supervised Agricultural Experience.

NJC Animal Production & Management A/B (ASC 1100A, 1100 B)

Credit: 1.0

Grades: 10-12

Prerequisite: Principles of Animal and Veterinary Sciences

Fee: None

College Credit Option

This is a concurrent enrollment course offered through Northeastern Junior College. Students will develop understanding and proficiency in the areas of Animal Production Systems, "Farm to Table", Animal Reproduction and Genetics, Animal Nutrition and Feeding, Animal Behavior and Management, and the business side of animal production and research current issues facing animal agriculture.

Engine & Equipment Technology A (AG 350)

Credit: .5

Grades: 10-12

Prerequisite: Principles of Ag Power, Structure, and Technical Systems

This course consists of the basic theory, operation and maintenance of the internal combustion engine primarily small engines. Students will gain basic understanding and interpretation of technical manuals. This course will also offer career opportunities in the equipment technician field. The course focuses on engines in compact equipment utilized in agriculture, construction, and the green industry. Class time is divided between hands-on activities in the lab and classroom instruction.

Floriculture A (AG 330)

Credit: .5

Grades: 10-11

Prerequisite: Principles of Horticulture Science (A/B)

Fee: \$20

Floriculture is a one semester long class in which students will learn about the production, arrangement, and retailing of flowers. Classification and identification of common plants used in the floral industry will be taught. The class will include numerous labs where fresh, silk, and dried flowers are used to design corsages, wedding bouquets, table flower arrangements, and seasonal holiday decorations. The course will also highlight developing communication skills, business principles, and leadership skills in the floriculture industry. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

Greenhouse Production (AG 340)

Credit: .5

Grades: 10-12

Prerequisite: Floriculture A

Fee: \$20

This advanced course offers instruction in greenhouse production. Units of study include plant identification, greenhouse management, integrated pest management, propagation, growing media, growing greenhouse crops, horticulture mechanics, Agribusiness units will cover operating a horticultural business, pricing work, advertising, and sales. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concept

REGARDING COURSE FEES

For courses which have fees, these may be reduced or waived for students qualifying for free and reduced lunch. Please contact your counselor to find out if you qualify.

Agricultural Leadership (AG 400)

Credit: .5

Grades: 11-12

Prerequisite: Must be an elected FFA officer.

This course consists of the basic theory, operation and maintenance of the internal combustion engine, primarily small engines. Students will gain basic understanding and interpretation of technical manuals. This course will also offer career opportunities in the equipment technician field. The course focuses on engines in compact equipment utilized in agriculture, construction and the green industry. Class time is divided between hands-on activities in the lab and classroom instruction.

Engine & Equipment Technology B (AG 450)

Credit: .5

Grades: 10-12

Prerequisite: Engine and Equipment Technology A

This course builds on the systems and information gained in Agriculture Engines Technology I. This course will use the fundamentals of small engines and move to the use of technical drawings and manuals for diagnosis, and service of the systems and components of all types of power engines such as outdoor power equipment, motorcycles, generators, and irrigation engines. Other course topics include multi-cylinder engines, hydraulics, and electric motors. This course is designed to provide hands-on and practical application for employment in the engine technology industry. Instruction includes the repair and service of cooling, air, fuel, lubricating, electrical, ignition, and mechanical systems and small engine overhauls.

Work-Based Learning: Agriculture A/B (AG 460)

Credit: .5

Grades: 11-12

Prerequisite: Completion of respective pathway's Level 3 course or with permission of the instructor.

This course is designed to prepare students to enter the workforce through on-the-job training in the form of a work-based learning experience and may be combined with class instruction. Students will build on prior knowledge and skills in the program of study aligned to their career and academic plan to further develop and apply employability and technical skills that prepare them for success in future career and postsecondary education. Students will have the opportunity to develop skills in supervised practical experience on the job or in a classroom-based job environment. A personalized learning plan is a requirement of this course. ****Significant industry engagement is required for this course and includes, but is not limited to, setting professional expectations for quality of work, mentoring students through a project and providing feedback, and evaluating employability skill development. A dedicated workplace mentor will supervise each student in workplace-based experiences such as internships, co-op, and apprenticeships.**



BUSINESS

BUSINESS ADMINISTRATION PATHWAY

*STUDENTS WHO WISH TO ENRICH THEIR LEARNING AND LEADERSHIP SKILLS ARE STRONGLY ENCOURAGED TO JOIN FBLA FOR A \$20 FEE THAT COVERS LOCAL, STATE, AND NATIONAL MEMBERSHIP.

Level 1 Courses	Level 2 Courses	Level 3 Courses	Level 4 Courses
<p>Introduction to Business</p>	<p>Fundamentals of Accounting (A/B) <i>Concurrent Enrollment with Aims ACC 1001</i></p>	<p>Tax Help Colorado <i>Concurrent Enrollment with Aims ACC 1032</i></p>	<p>Tax Help Colorado Practicum <i>Concurrent Enrollment with Aims ACC 1033</i></p>
<p>Introduction to PC Applications <i>Concurrent Enrollment with Aims CIS 1018</i></p>	<p>Principles of Marketing <i>Concurrent Enrollment with Aims MAR 2016</i></p>	<p>Advanced PC Applications <i>Concurrent Enrollment with Aims CIS2018</i></p>	<p>Business Administration Capstone <i>Concurrent Enrollment with Aims MAN 2087</i></p>
<p>Personal Finance</p>		<p>Legal Environment of Business</p>	<p>Work-Based Learning: Business/Marketing</p>

Incoming 8th-grade students may register for Level 2 courses if they have completed a Level 1 course in middle school.

STUDENT ORGANIZATION: Future Business Leaders of America (FBLA)

INDUSTRY CERTIFICATES OFFERED IN THIS PATHWAY:

- Google Ads Certification
- Google Workspace
- Microsoft Office Specialist
- Bookkeeper Certification
- IRS VITA Advanced Certification



Introduction to Business (BUS 112)

Credit: .5	Grades: 9-12
Prerequisite: None	
This course introduces the application of fundamental business principles to local, national, and international forums. This course examines the relationship of economic systems, governance, regulations, and law upon business operations. It surveys the concepts of career development, business ownership, finance and accounting, economics, marketing, management, operations, human resources, regulations, and business ethics.	

Aims Introduction to PC Applications (CUS 1018)

Credit: .5 (Weighted) / 3.0 Aims	Grades: 9-12
Prerequisite: None	
Fee: \$30 (for software license)	*College Credit Option*
This course introduces basic computer terminology, file management, and PC system components and provides an overview of office application software including word processing, spreadsheets, databases, and presentation graphics. Included is the use of a web browser to access the Internet. **This course is also offered as a three credit hour course--CIS 1018 at Aims Community College. Talk to the instructor if you are interested in pursuing this class for Aims credit.	

Personal Finance (BUS 113)

Credit: .5	Grades: 9-12
Prerequisite: None	
This course surveys the basic personal finance needs of most individuals and introduces the personal finance tools useful in planning and instituting a successful personal financial philosophy. The course emphasizes the basics of budgeting, buying, saving, borrowing, career planning, investing, retirement planning, estate planning, insurance, and income taxes.	

Aims Fundamentals of Accounting A/B (ACC 1001A, ACC 1001B)

Credit: 1.0 (Weighted) / 3.0 Aims	Grades: 10-12
Prerequisite: Any Level 1, 2, or 3 Business Pathway Course	
Fee: \$30 (for software license)	*College Credit Option*
This course 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. **This course is also offered as a three credit hour course--ACC 1001 at Aims Community College. Talk to the instructor if you are interested in pursuing this class for Aims credit.	

Aims Principles of Marketing (MAR 2016)

Credit: .5 (Weighted) / 3.0 Aims	Grades: 9-12
Prerequisite: Introduction to Business (8th Grade) or Level 1 Business Pathway Courses	
Fee: \$30 (for software license)	*College Credit Option*
This course presents the analysis of theoretical marketing processes and the strategies of product development, pricing, promotion and distribution, and their applications to businesses and the individual consumer. **This course is also offered as a three credit hour course--MAR 2016 at Aims Community College. Talk to the instructor if you are interested in pursuing this class for Aims credit.**	

Aims Advanced PC Applications (CIS 2018)

Credit: .5 (Weighted) /3.0 Aims	Grades: 10-12
Prerequisite: Intro to PC Apps	
Fee: \$30 (for software license)	*College Credit Option*
This class emphasizes solving business problems by integrating data from all of the software applications that facilitate the production of useful information. Advanced capabilities of a PC software applications suite are utilized. Printed documents, reports, slides, and forms are produced to communicate information. **This course is also offered as a three credit hour course--CIS 2018 at Aims Community College. Talk to the instructor if you are interested in pursuing this class for Aims credit.	

Aims Tax Help Colorado (ACC 1032) (Fall semester only)

Credit: .5 (Weighted) / 2.0 Aims	Grades: 11-12
Prerequisite: : Fundamentals of Accounting and/or Personal Finance	
Fee: None	*College Credit*
<p><i>This is a concurrent enrollment course offered through Aims Community College. This course prepares students for preparation of federal and state income tax returns for individuals. Emphasis is placed on form preparation with the use of tax software.</i></p>	

Aims Tax Help Colorado Practicum (ACC 1033) (Spring Semester Only)

Credit: .5 (Weighted) / 1.0 Aims	Grades: 11-12
Prerequisite: Tax Help Colorado	
Fee: None	*College Credit*
<p><i>This is a concurrent enrollment course offered through Aims Community College. This course allows students to prepare actual federal and state income tax returns for individuals in the real time environment.</i></p>	

Aims Capstone in Business Administration (MAN 2087)

Credit: .5 (Weighted)/ 3.0 Aims	Grades: 10-12
Prerequisite: Student Application, Teacher Approval	
Fee: None	*College Credit Option*
<p><i>This course allows for individualized, advanced, and/or cumulative work in a program of study. This work is individualized to the student within a specific program of study to allow for specialized study. It may include problem-/project-based learning or preparation for industry certification. The specific content and course design is determined by the instructor, in collaboration with the individual student. **This course is also offered as a three credit hour course-MAN 2087 (Cooperative Education/Internship) at Aims Community College. Talk to the business instructors if you are interested in pursuing this class for Aims credit.</i></p>	

Work-Based Learning: Business/Marketing A/B (BUS 430)

Credit: .5	Grades: 11-12
Prerequisite: : Introduction to Business, and two other business courses completed or currently enrolled.	
<p><i>This course builds on prior knowledge and skills in the program of study to further develop and apply employability and technical skills that prepare them for success in future career and postsecondary education. The course is highly customizable to meet student needs through work-based learning arrangements such as internships, cooperative education, service learning, mentoring, job shadowing, certification, or other employment training opportunities.</i></p>	



REGARDING COURSE FEES
 For courses which have fees, these may be reduced or waived for students qualifying for free and reduced lunch. Please contact your counselor to find out if you qualify.

COMPUTER AND DIGITAL TECHNOLOGIES

CODING PATHWAY

*STUDENTS WHO WISH TO ENRICH THEIR LEARNING AND LEADERSHIP SKILLS ARE STRONGLY ENCOURAGED TO JOIN TSA FOR A \$20 FEE THAT COVERS LOCAL, STATE, AND NATIONAL MEMBERSHIP.

Level 1 Courses	Level 2 Courses	Level 3 Courses	Level 4 Courses
Computer Science Foundations (A/B)	Coding I (A/B)	Coding II (A/B)	Work-Based Learning: Coding

Incoming 8th-grade students may register for Level 2 courses if they have completed a Level 1 course in middle school.

STUDENT ORGANIZATION: The Colorado Technology Student Association (TSA)

INDUSTRY CERTIFICATES OFFERED IN THIS PATHWAY:

- Certified Entry-Level Python Programmer (PCEP)

NETWORKING SYSTEMS AND SECURITY PATHWAY

Level 1 Courses	Level 2 Courses	Level 3 Courses	Level 4 Courses
Computer Science Foundations (A/B)	Cybersecurity I (A/B) or Coding I (A,B)	Cybersecurity II (A/B)	Work-Based Learning: in Networking Systems & Security

Incoming 8th-grade students may register for Level 2 courses if they have completed a Level 1 course in middle school.

STUDENT ORGANIZATION: Colorado Technology Student Association (TSA)

INDUSTRY CERTIFICATES OFFERED IN THIS PATHWAY:

- Security+

Computer Science Foundations A/B (TE 120/121)

Credit: 1.0 Grade: 9-12

Prerequisite: None

Computer Science Foundations (CSF) is a course intended to provide students with exposure to various information technology occupations and pathways such as Networking Systems, Coding, Web Design, and Cybersecurity. Upon completion of this course, proficient students will be able to describe various information technology (IT) occupations and professional organizations. Moreover, they will be able to demonstrate logical thought processes and discuss the social, legal, and ethical issues encountered in the IT profession. Depending on the focus area, proficient students will also demonstrate an understanding of electronics and basic digital theory; project management and teamwork; client relations; causes and prevention of Internet security breaches; and writing styles appropriate for web publication. Upon completion of the CSF course, students will be prepared to make an informed decision about which Information Technology program of study to pursue.

Coding I A/B (TE 202/203)

Credit: 1.0 Grades: 10-12

Prerequisite: Computer Science Foundations

Coding I is a course intended to teach students the basics of computer programming. The course places emphasis on practicing standard programming techniques and learning the logic tools and methods typically used by programmers to create simple computer applications. Upon completion of this course, proficient students will be able to solve problems by planning multi-step procedures; write, analyze, review, and revise programs, converting detailed information from workflow charts and diagrams into coded instructions in a computer language; and will be able to troubleshoot/debug programs and software applications to correct malfunctions and ensure their proper execution.

Coding II A/B (TE 300/301)

Credit: 1.0

Grades: 11-12

Prerequisite: Coding I (A/B)

Coding II challenges students to develop advanced skills in problem analysis, construction of algorithms, and computer implementation of algorithms as they work on programming projects of increased complexity. In so doing, they develop key skills of discernment and judgment as they must choose from among many languages, development environments, and strategies for the program life cycle. Course content is reinforced through numerous short- and long-term programming projects, accomplished both individually and in small groups. These projects are meant to hone the discipline and logical thinking skills necessary to craft error-free syntax for the writing and testing of programs. Upon completion of this course, proficient students will demonstrate an understanding of object-oriented programming language using high-level languages such as FOCUS, Python, or SAS.

Cyber Security I A/B (TE 250/251)

Credit: 1.0

Grades: 10-12

Prerequisite: Computer Science Foundations

Cybersecurity I is a course intended to teach students the basic concepts of cybersecurity. The course places an emphasis on security integration, application of cybersecurity practices and devices, ethics, and best practices management. The fundamental skills in this course cover both in house and external threats to network security and design, how to enforce network level security policies, and how to safeguard an organization's information. Upon completion of this course, proficient students will demonstrate an understanding of cybersecurity concepts, identify fundamental principles of networking systems, understand network infrastructure and network security, and be able to demonstrate how to implement various aspects of security within a networking system.

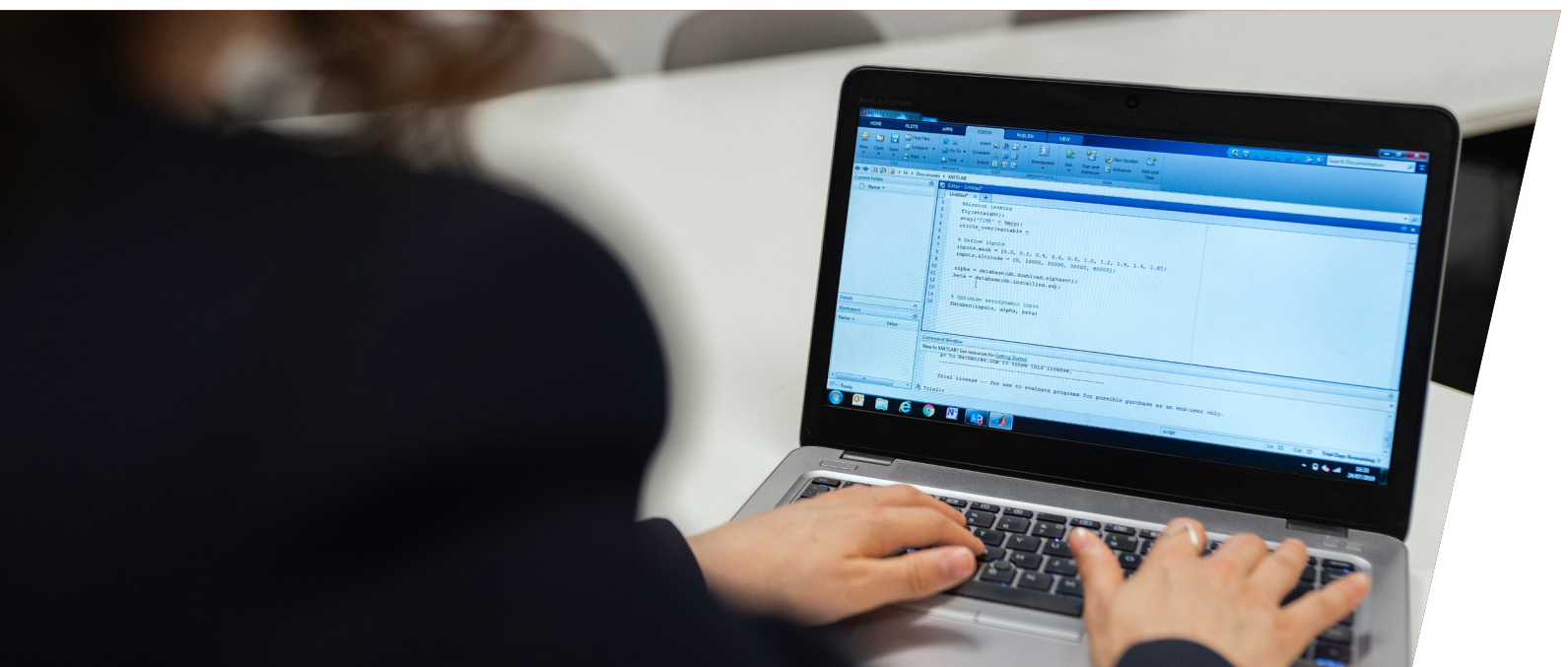
Work-Based Learning Coding A/B (TE 400/401)

Credit: .5

Grades: 11-12

Prerequisite: Coding II

Students build on prior knowledge and skills in the program of study to further develop and apply employability and technical skills that prepare them for success in future career and postsecondary education, as deemed developmentally appropriate. Students will learn to 1) Identify career goals and how the WBL experience supports these goals. 2) Develop a training plan that specifically outlines technical skills with their supervisor/employer. 3) Agree to a supervisor/employer and school approved safety agreement. 4) Document hours, responsibilities, and learning that occurs within the WBL experience. Achieve a minimum of 30 contact hours with industry 5) Receive formal, period evaluation from the supervisor/employer that is shared and stored at the school. 6) Reflect on and/or revise their career plan based on the WBL experience.



GENERAL CONSTRUCTION PATHWAY

*STUDENTS WHO WISH TO ENRICH THEIR LEARNING AND LEADERSHIP SKILLS ARE STRONGLY ENCOURAGED TO JOIN SKILLSUSA FOR A \$15 FEE THAT COVERS LOCAL, STATE, AND NATIONAL MEMBERSHIP.

Level 1 Courses	Level 2 Courses	Level 3 Courses	Level 4 Courses
Principles of Construction <i>Offered at the middle school level only</i>	Construction Technology (A/B) <i>Concurrent Enrollment with Aims CAR 1000, CAR 1001, CAR 1002, CAR 1005, and CAR 1070</i>	Construction Systems I (A/B) <i>Concurrent Enrollment with Aims AEC 1520 and 1200</i>	Advanced Woodworking and Carpentry (A/B)
			Work-Based Learning: Construction Pathways

Incoming 8th-grade students may register for Level 2 courses if they have completed a Level 1 course in middle school.

STUDENT ORGANIZATION: SkillsUSA

INDUSTRY CERTIFICATES OFFERED IN THIS PATHWAY:

- Home Builders Institute: Pre-Apprenticeship Certification Training (PACT) Carpentry
- OSHA 10
- Home Builders Institute: PACT CORE

Aims Construction Technology A/B (IE 200/201)

Credit: 1.0 (Weighted) / 5.0 Aims	Grade: 9-12
Prerequisite: None	
Fee: \$25 for materials	*College Credit Option*
<p>This is the foundation course to basic residential construction. Students will demonstrate competencies that are nationally recognized by the construction industry. Students will learn and practice structural framing of floors, walls, ceilings, and roofs. This course also includes the use of basic construction tools and machinery, applied math, and an introduction to blueprint reading. This course teaches students industry safety including the use of all machines and tools. **This course is also offered as five separate Aims courses: CAR 1000, CAR 1001, CAR 1002, CAR 1005, and CAR 1070. Talk to the instructor if you are interested in pursuing the classes for Aims credit.</p>	

Aims Constructions Systems A/B (AEC 1520, AEC 1200)

Credit: .5 (Weighted) / 3.0 Aims	Grades: 10-12
Prerequisite: Construction Tech A/B	
Fee: \$15 per semester	*College Credit Option*
<p>Students in this class will learn about various facets of construction in both a classroom and hands-on setting. This program of study is intended to prepare students for careers in construction by developing an understanding of the different phases of a construction project from start to finish. Upon completion of this course, proficient students will be able to demonstrate knowledge and skill in the earlier phases of building construction, including site layout, foundation systems, framing systems, and electrical systems. **This course is also offered as two separate three credit hour course—AEC 1520 (fall) and AEC 1200 (spring) at Aims Community College. Talk to the instructor or the CTE counselor if you are interested in pursuing this class for Aims credit.**</p>	

Advanced Woodworking and Carpentry A/B (IE 410/411)

Credit: 1.0

Grades: 11-12

Prerequisite: Construction Systems

Fee: \$15

Advanced Woodworking and Carpentry is designed to introduce advanced skills for residential carpentry. Topics included in the course are cabinetry construction and installations, advanced trim work, flooring, custom cabinetry, and codes and regulations.

Work-Based Learning Construction A/B (IE 400/401)

Credit: .5

Grades: 10-12

Prerequisite: Completion of Level 3 course, or HBI PACT Core and OSHA 10 with instructor and CTE Director Approval

This course is designed to prepare students to enter the workforce through on-the-job training in the form of a work-based learning experience and may be combined with class instruction. Students will build on prior knowledge and skills in the program of study aligned to their career and academic plan to further develop and apply employability and technical skills that prepare them for success in future career and postsecondary education. Students will have the opportunity to develop skills in supervised practical experience on the job or in a classroom-based job environment. A personalized learning plan is a requirement of this course. **Significant industry engagement is required for this course and includes, but is not limited to, setting professional expectations for quality of work, mentoring students through a project and providing feedback, and evaluating employability skill development. Students should have a minimum contact of 30 hours with employers or in the job setting. A dedicated workplace mentor will supervise each student in workplace-based experiences such as internships, co-op, and apprenticeships.



ENGINEERING

ENGINEERING AND TECH PATHWAY

*STUDENTS WHO WISH TO ENRICH THEIR LEARNING AND LEADERSHIP SKILLS ARE STRONGLY ENCOURAGED TO JOIN TSA FOR A \$20 FEE THAT COVERS LOCAL, STATE, AND NATIONAL MEMBERSHIP.

Level 1 Courses	Level 2 Courses	Level 3 Courses	Level 4 Courses
Principles of Engineering & Technology (A/B)	Introduction to Engineering Design (A/B)	Applied Engineering Design (A/B)	Work-Based Learning: Engineering & Technology (A/B)
		Robotics and Automated Systems (A/B)	

Incoming 8th-grade students may register for Level 2 courses if they have completed a Level 1 course in middle school.

STUDENT ORGANIZATION: The Colorado Technology Student Association (TSA)

INDUSTRY CERTIFICATES OFFERED IN THIS PATHWAY:

- Autodesk Certified User-Fusion 360
- Autodesk Certified User-Inventor
- REC Foundation Pre-Engineering Certificate

Principles of Engineering & Technology A/B (TE 100/101)

Credit: 1.0

Grades: 9-12

Prerequisite: None

Fee: \$25

Principles of Engineering and Technology is designed to introduce students to the STEM cluster for students interested in learning more about careers in engineering and technology. This course covers basic skills required for engineering and technology fields of study. Upon completion of this course, students are able to identify and explain the steps in the engineering design process. They can evaluate an existing engineering design, use fundamental sketching and engineering drawing techniques, complete simple design projects using the engineering design process, and effectively communicate design solutions to others.

Introduction to Engineering Design A/B (TE 200/201)

Credit: 1.0

Grades: 10-12

Prerequisite: Principles of Engineering and Technology

Fee: \$35

This is a fundamental course in the Engineering and Technology Program of Study for students interested in developing their skills in preparation for careers in engineering and technology. The course covers essential knowledge, skills, and concepts required for postsecondary engineering and technology fields of study. Upon completion of this course, proficient students are able to describe various engineering disciplines, as well as admissions requirements for postsecondary engineering and engineering technology programs in Colorado. They will also be able to identify simple and complex machines, calculate various ratios related to mechanisms, explain fundamental concepts related to energy, understand Ohm's Law, follow the steps in the engineering design process to complete a team project, and effectively communicate design solutions to others.



Robotics and Automated Systems A/B (TE 204/205)	
Credit: 1.0	Grades: 11-12
Prerequisite: Introduction to Engineering Design	
Fee: \$35	
Robotics & Automated Systems is an applied course for students who wish to explore how robots and automated systems are used in industry. Upon completion of this course, students will have an understanding of the historical and current uses of robots and automated systems; programmable circuits, interfacing both inputs and outputs; ethical standards for engineering and technology professions; and testing and maintenance of robots and automated systems.	
DC Circuit Analysis (TE 430)	
Credit: .5 (Weighted) / 3.0 CSU	Grades: 11-12
Prerequisite: Calculus I	
Fee: Textbook	*College Credit Option*
Provides an introduction to how electricity can be used to create cutting-edge technologies. Basic DC circuit analysis, including the use of relevant software to solve problems and analyze results from projects. **This course is only offered virtually as a three credit hour course—ECE 103 at Colorado State University. Talk to the instructor or the CTE counselor if you are interested in pursuing this class for credit at Colorado State University.	
Digital Circuit Logic (TE 330)	
Credit: .5 (Weighted) / 4.0 CSU	Grades: 11-12
Prerequisite: None	
Fee: Textbook	*College Credit Option*
Students will gain a fundamental understanding of computing technologies that impact every aspect of our world. Fundamentals of digital circuit logic, including Boolean algebra; Karnaugh maps; multiplexers, decoders, ROMS, PLAS, flip-flops, counters; sequential networks; and state tables. **This course is only offered virtually as a four credit hour course—ECE 102 at Colorado State University. Talk to the instructor or the CTE counselor if you are interested in pursuing this class for credit at Colorado State University.	
Introduction to Mechanical Engineering (TE 325)	
Credit: .5 (Weighted) / 3.0 CSU	Grades: 11-12
Prerequisite: This course has no prerequisites, but it is strongly recommended that students have taken or are concurrently enrolled in Calculus and Physics.	
Fee: Textbook	*College Credit Option*
Introduction to mechanical engineering, including relevant programming and computer technologies such as MATLAB and Excel. **This course is only offered virtually as a three credit hour course—MECH 103 at Colorado State University. Talk to the instructor or the CTE counselor if you are interested in pursuing this class for credit at Colorado State University.	
Mechanical Engineering Problem Solving (TE 425)	
Credit: .5 (Weighted) / 3.0 CSU	Grades: 11-12
Prerequisite: Calculus I and MECH 103 are prerequisites. Physics is a prerequisite or corequisite	
Fee: Textbook	*College Credit Option*
Programming and engineering problem solving techniques, algorithms and processes based on first principles of physics and calculus. **This course is only offered virtually as a three credit hour course—MECH 105 at Colorado State University. Talk to the instructor or the CTE counselor if you are interested in pursuing this class for credit at Colorado State University.	
Work-Based Learning: Engineering & Technology A/B (TE 410/411)	
Credit: .5	Grades: 11-12
Prerequisite: Applied Engineering Design	
Students build on prior knowledge and skills in the program of study to further develop and apply employability and technical skills that prepare them for success in future career and postsecondary education.	

FAMILY & CONSUMER SCIENCES

HOSPITALITY AND FOOD PRODUCTION PATHWAY

*STUDENTS WHO WISH TO ENRICH THEIR LEARNING AND LEADERSHIP SKILLS ARE STRONGLY ENCOURAGED TO JOIN FCCLA FOR A \$30 FEE THAT COVERS LOCAL, STATE, AND NATIONAL MEMBERSHIP.

Level 1 Courses	Level 2 Courses	Level 3 Courses	Level 4 Courses
Culinary Nutrition	ProStart 1 (A/B)	ProStart 2 (A/B)	Work-Based Learning: FCS

Incoming 8th-grade students may register for Level 2 courses if they have completed a Level 1 course in middle school.

STUDENT ORGANIZATION: Family, Career and Community Leaders of America (FCCLA)

INDUSTRY CERTIFICATES OFFERED IN THIS PATHWAY:

- ProStart National Certificate of Achievement
- ServeSafe Food Handler
- ServeSafe Food Manager

HUMAN SERVICES AND TRAINING PATHWAY

Level 1 Courses	Level 2 Courses	Level 3 Courses	Level 4 Courses
Education Exploration	Teacher Cadet 1 A/B <i>Concurrent Enrollment with Aims EDU 2211, and EDU 2088</i>	Teacher Cadet 2 A/B <i>(Projected to be offered Fall 2025)</i>	Work-Based Learning: Family Consumer Sciences (FCS)
	Early Childhood Education <i>Concurrent enrollment distance learning with Aims EC 1011</i>	Guidance Strategies for Young Children <i>Concurrent enrollment distance learning with Aims EC 1031</i>	

Incoming 8th-grade students may register for Level 2 courses if they have completed a Level 1 course in middle school.

STUDENT ORGANIZATION: Family, Career and Community Leaders of America (FCCLA)

INDUSTRY CERTIFICATE OFFERED IN THIS PATHWAY:

- Early Childhood Entry Certificate



Culinary Nutrition (FC 107)

Credit: .5	Grades: 9-12
Prerequisite: None	
Fee: \$25	
The purpose of the course is to develop lifelong, healthy individuals with an understanding of healthy and nutritious cooking techniques. Emphasis is placed on implementing healthy nutritional choices, preparing nutrient dense foods, exploring careers related to culinary nutrition, and practicing wise consumer decisions.	

MSU ProStart I A/B (RST 1550 A/B)

Credit: 1.0 (Weighted) / 3.0 Metropolitan State University	Grades: 10-12
Prerequisite: Culinary Nutrition	
Fee \$50	*College Credit Option*
This course from the National Restaurant Association Educational Foundation and Colorado Restaurant Foundation introduces students to a competency-based foodservice & hospitality management curriculum offered to students in grades 10-12. It is a study of culinary arts, restaurant and lodging management, employability skills, and business entrepreneurship coupled with paid mentored work internships in a broad spectrum of industry restaurant, foodservice, and lodging operations. The fundamentals of food are explored through visual and sensory analysis. Food identification, selection and sourcing are explored through demonstrations, videos, and kitchen tours of the Hospitality Learning Center. Course activities utilize food and kitchen vocabulary vital to a professional food service manager. The principles of food safety and sanitation and their relationship to the daily operations of food service are integrated throughout the course. ServSafe Food Handler Certification is achieved by each student during this course. FCCLA is also an integral part of this course. **This course is also offered as a three hour course (RST 1550) through Metropolitan State University-Food Fundamentals. Talk to the instructor if you are interested in pursuing this class for college credit.	

MSU ProStart II A/B (RST 2550)

Credit: 1.0 (Weighted) / 3.0 Metropolitan State University	Grades: 11-12
Prerequisite: ProStart I	
Fee \$80	*College Credit Option*
This course from the National Restaurant Association Educational Foundation and Colorado Restaurant Foundation, allows students to continue developing college and career employment skills for the restaurant and hospitality industries. The basic skills taught in ProStart I will be reviewed and additional competencies such as customer relations, accounting procedures, and more advanced food preparation skills will be taught. Students will investigate industry career paths and have the opportunity to work in paid internships at hotel and lodging properties. This course is designed to introduce students to properties of foods and changes that occur during preparation. Students will learn basic skills in food preparation and presentation while implementing food safety and sanitation standards. Students will conduct quality tests on prepared food and use data to evaluate the appearance, composition, taste, tenderness and selection of food products. FCCLA is also an integral part of this course. **This course is also offered as a three hour course (RST 2550) through Metropolitan State University - Food Preparation and Science. Talk to the instructor if you are interested in pursuing this class for college credit.	



Education Exploration (FC 110)	
Credit: .5	Grades: 10
Prerequisite: None	
<p>Education Exploration is a semester course designed to provide students with an overview of professions within education. Students will discover their own learning style and how learning styles impact teaching and the delivery of lessons. Experiences with various education professionals will enhance the understanding of classroom planning, licensure requirements, and career opportunities within school systems. This course includes a minimum of 15 extended learning hours, which may be outside of class time. With exemplary performance and instructor recommendation, students may apply for the Teacher Cadet program without meeting the 3.0 GPA requirement.</p>	

Early Childhood Education I (FC 101)	
Credit: .5 (Weighted) / 3.0 Aims	Grades: 9-12
Prerequisite: None	
Fee: Textbook	*College Credit*
<p><i>This course is offered through Aims on the Greeley Campus and through the remote learning platform.</i> ECE 1011 provides an introduction to the profession of Early Childhood Education (ECE). Course content includes eight key areas of professional knowledge related to working with young children and their families in early care and education settings: child growth and development; health, nutrition and safety; developmentally appropriate practices; guidance; family and community relationships; diversity and inclusion; professionalism; and administration and supervision. This course addresses children ages birth through 8 years.</p>	

Aims Teacher Cadet 1 A/B (EDU 2211A, EDU 2088B)	
Credit: 1.0 (Weighted) / 4.0 Aims	Grades: 11-12
Prerequisite: Application process	
Fee None	*College Credit*
<p><i>This is a concurrent enrollment class through Aims Community College.</i> This first semester of two semester course is designed for students who have a strong interest in, or who are considering a career related to, the occupation of “teacher” at any age or grade level EDU 2221and EDU 2028. Students will complete self-assessments, participate in individual and group projects, complete observations at various ages and stages of learning, and increase their understanding of themselves and others as “learners”. The culminating event in this class is 50 hours of field experience during second semester at an area school where students will plan and deliver lessons under the supervision of a cooperating teacher. This academic elective course is fast paced and students may apply for college credit with a “B” or higher in the class.</p>	

Guidance Strategies for Young Children (ECE 1031)	
Credit .5 (Weighted) / 3.0 Aims	Grades: 9-12
Prerequisite: None	
Fee: Textbook	*College Credit*
<p><i>This course is offered through Aims on the Greeley Campus and through the remote learning platform.</i> ECE 1031 explores guidance theories, applications, goals, and techniques, as well as factors that influence behavioral expectations of children. This course includes classroom management and pro-social skills development of young children in early childhood (ECE) program settings. This course addresses children ages birth through 8 years.</p>	

Work-Based Learning - FCS A/B (FC 400/401)	
Credit: .5	Grades: 11-12
Prerequisite: Teacher and CTE Director Approval	
<p>Students build on prior knowledge and skills in the program of study to further develop and apply employability and technical skills that prepare them for success in future career and postsecondary education. Students will learn to 1) Identify career goals and how the WBL experience supports these goals. 2) Develop a training plan that specifically outlines technical skills with their supervisor/employer. 3) Agree to a supervisor/employer and school approved safety agreement. 4) Document hours, responsibilities, and learning that occurs within the WBL experience. Achieve a minimum of 30 contact hours with industry 5) Receive formal, period evaluation from the supervisor/employer that is shared and stored at the school. 6) Reflect on and/or revise their career plan based on the WBL experience.</p>	

HEALTH SCIENCE PATHWAY

HEALTH SCIENCE ATHLETIC TRAINING PATHWAY

*STUDENTS WHO WISH TO ENRICH THEIR LEARNING AND LEADERSHIP SKILLS ARE STRONGLY ENCOURAGED TO JOIN HOSA FOR A \$20 FEE THAT COVERS LOCAL, STATE, AND NATIONAL MEMBERSHIP.

Level 1 Courses	Level 2 Courses	Level 3 Courses	Level 4 Courses
Introduction to Health Science A/B (Projected to be offered Fall 2025)	Anatomy & Physiology A/B Concurrent Enrollment with University of Northern Colorado BIO 245	Sports Medicine A/B	Work-Based Learning: Sports Medicine

STUDENT ORGANIZATION: HOSA- Future Health Professionals

INDUSTRY CERTIFICATES OFFERED IN THIS PATHWAY:

- CPR and First Aid
- F.A.S.T. (First Aid for Severe Trauma) Level 1

HEALTH SCIENCE NURSE ASSISTANT PATHWAY

Level 1 Courses	Level 2 Courses	Level 3 Courses	Level 4 Courses
Introduction to Health Science A/B (Projected to be offered Fall 2025)	Anatomy & Physiology A/B Concurrent Enrollment with University of Northern Colorado BIO 245	Nurse Aide Health Care Skills Concurrent Enrollment with Aims NUA 1001	Nurse Aide Health Care Skills Concurrent Enrollment with Aims NUA 1001

STUDENT ORGANIZATION: HOSA- Future Health Professionals

INDUSTRY CERTIFICATES OFFERED IN THIS PATHWAY:

- Certified Nursing Assistant (CNA)



Anatomy & Physiology A/B (SC 201/202)

Credit: 1.0	Grades: 10-12
Prerequisite: Biology/Honors Biology + Chemistry/ChemCom (or concurrent with Chemistry/ChemCom)	
This course provides a deeper exploration of the human body and biological systems in great detail. Students expand their knowledge of the body and terminology/phonetic pronunciations used to describe and locate body parts as well as an overall review of human development and body processes. <i>This is also a science course.</i> NCAA APPROVED	

Sports Medicine A/B (SC 209/210)

Credit: 1.0	Grades: 11-12
Prerequisite: Anatomy and Physiology	
This course provides high school students with a general overview of the athletic training profession, and other related health care professions in the field of sports medicine. It includes introductory information about scope of practice, legal and ethical responsibilities, injury prevention, treatment, rehabilitation, emergency management and administrative functions. This course is intended to help students gain an understanding of the field of sports medicine. This course is not meant to encourage or allow the student to perform the functions of a licensed healthcare professional. Students will be given the opportunity to earn American Red Cross certification by completing the Responding to Emergencies curriculum. This is also a science course.	

Work-Based Learning Sports Medicine A/B (SC 401/411)

Credit: .5	Grades: 11-12
Prerequisite: Sports Medicine, or dual enrollment in Sports Medicine with instructor and CTE Director approval	
Work-Based Learning is essential to conceptualize, comprehend and apply employability skills. The opportunity for students to participate in industry field trips, industry events, job shadowing, internships, mentoring, and other activities assures students 21st-century real-world skills. Students should have a minimum contact of 30 hours with employers or in the job setting.	

UNC Introduction to Human Anatomy & Physiology (BIO 245A/245B)

Credit: 1.0 (Weighted) / 4.0 UNC	Grades: 11-12
Prerequisite: Biology/Honors Biology + Anatomy & Physiology + Chemistry	
Fee: \$25 (lab costs)	*College Credit*
This is a concurrent enrollment course offered through the University of Northern Colorado. This is an introductory college-level human anatomy & physiology course. Students enrolled in this course will be able to define homeostasis and describe how it is different from the concept of equilibrium; describe the major organizational levels of the human body; identify gross anatomical and histological structures of the integumentary, musculoskeletal, nervous, endocrine, cardiovascular, digestive, renal, urogenital, respiratory, and immune systems; use foundational chemical and physical principles to explain processes in cellular physiology; demonstrate/model the roles of feedback mechanisms in physiology by using cellular and gross-level examples. This course is designed for students interested in pursuing a career within the medical field. <i>This is also a Science course.</i> NCAA APPROVED	

Aims Nurse Aide Health Care Skills (A/B) NUA 1001

Credit: 1.0 (Weighted) / 4.0 Aims	Grades: 11-12
Prerequisite: Anatomy & Physiology, Colorado EBRW benchmark in PSAT/SAT or grade level Reading NWEA benchmark. Aims requirement for admission. Co-Requisite: NUA 1070.	
Fee: Associated Aims fees	*College Credit*
Prepares the student to perform the fundamental skills of the nurse aide. Basic nursing skills, communication skills, restorative services, personal care skills, safety and emergency care issues are covered. Includes knowledge and/or principles of asepsis, OSHA and HIPAA regulations. Ethical behaviors, cultural sensitivity and principles of mental health will be addressed, as well as patient/resident rights. Department approval is required. This course has admission requirements. Course is not repeatable for credit.	

Aims Nurse Aide Clinical Experience NUA 1070

Credit: P/F Course- 1.0 Aims	Grades: 11-12
Prerequisite: Anatomy & Physiology, Instructor Permission, Co-Requisite: NUA 1001	
Fee: Exam fee	*College Credit*
Applies knowledge and skill gained in NUA 1001 to patient care. Department approval is required. This course has admission requirements. Please call or email the nurse aide department for more information. See the department web page at for contact information.	

MEDIA ARTS

DIGITAL MEDIA AND COMMUNICATIONS PATHWAY

*STUDENTS WHO WISH TO ENRICH THEIR LEARNING AND LEADERSHIP SKILLS ARE STRONGLY ENCOURAGED TO JOIN TSA FOR A \$20 FEE THAT COVERS LOCAL, STATE, AND NATIONAL MEMBERSHIP.

Level 1 Courses	Level 2 Courses	Level 3 Courses	Level 4 Courses
Foundations of Design, Multimedia Arts, & Digital Communications (A/B)	Graphic Design & Illustration I (A/B)	Print Media II	Work-Based Learning: Digital Media & Communications
	Audio/Video Production I (A/B)	Audio/Video Production II (A/B)	
	Print Media 1		

Incoming 8th-grade students may register for Level 2 courses if they have completed a Level 1 course in middle school.

STUDENT ORGANIZATION: The Colorado Technology Student Association (TSA)

INDUSTRY CERTIFICATE OFFERED IN THIS PATHWAY:

- Adobe Certified Visual Design Using Adobe Photoshop (Ps)
- Adobe Certified Associate: Graphic Design & Illustrations Using Adobe Illustrator (Ai)

DESIGN AND MULTIMEDIA ARTS PATHWAY

Level 1 Courses	Level 2 Courses	Level 3 Courses	Level 4 Courses
Foundations of Design, Multimedia Arts, & Digital Communications (A/B)	Graphic Design & Illustration I (A/B)	Graphic Design & Illustration II (A/B)	Work-Based Learning: Design & Multimedia Arts

Incoming 8th-grade students may register for Level 2 courses if they have completed a Level 1 course in middle school.

STUDENT ORGANIZATION: The Colorado Technology Student Association (TSA)

INDUSTRY CERTIFICATES OFFERED IN THIS PATHWAY:

- Adobe Certified Professional: Digital Video Using Premiere Pro (Pr)



Foundations of Design, Multimedia Arts, & Digital Communication A/B (TE 130/131)	
Credit: 1.0	Grades: 9-12
Prerequisite: None	
Fee: \$10	
Students are introduced to the variety of programs and occupations in the arts, audio/video technology, and communication systems. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities.	

Audio/Video Production I A/B (TE 240/241)	
Credit: 1.0	Grades: 9-12
Prerequisite: Digital Media A/B or Foundations of Design, Multimedia Arts, & Digital Communication A/B	
Fee: \$20	
This course explores the Audio and Video production industry and its post-secondary educational and career opportunities. Students will gain job-specific training for entry level employment in audio, video, television, and motion picture careers. Professional grade equipment and software will be used in the creation of student lead productions. Students will be involved in every aspect of several class and small group audio, video, and film style production projects with emphasis on TV studio broadcasting and news production projects. Students will also be encouraged to participate as studio crew for district productions outside of school hours.	

Audio/Video Production II A/B (TE 242/243)	
Credit: 1.0	Grades: 11-12
Prerequisite: Successful completion of Audio /Visual Production I	
Fee: \$20	
This course explores the Audio and Video production industry and its post-secondary educational and career opportunities. Students will gain job-specific training for entry level employment in audio, video, television, and motion picture careers. Professional grade equipment and software will be used in the creation of student lead productions. Students will be involved in every aspect of several class and small group audio, video, and film style production projects with emphasis on TV studio broadcasting and news production projects. Students will also be encouraged to participate as studio crew for district productions outside of school hours.	

Graphic Design & Illustration I A/B (TE 214/215)	
Credit: 1.0	Grades: 9-12
Prerequisite: Either 8th Grade Media or Digital Media	
This entry level course is for training in the visual communication portion of all media businesses. Students learn about a career in the many kinds of media and graphic design and illustration jobs. Digital photography and working towards the intermediate level use of image editing and drawing programs are strongly focused upon in this class. This is helpful for any future photographer, videographer, animator, or advertiser. Students will begin developing a high-quality portfolio for college or design school.	

Graphic Design & Illustration II A/B (TE 320/321)	
Credit: 1.0	Grades: 10-12
Prerequisite: Graphic Design & Illustration I	
Design portfolios are expanded upon and improved in this second year of Graphic Design and Illustration. There is study of college art and media programs. More time is spent learning advanced concepts in illustration and the advertising and media business as well as new software programs while continuing to hone skills in image editing and digital photography. Large format printing of projects is common in this class. Students may select an area of visual communication to begin specializing in during this year of study. It is a high level of media study where specializations such as motion graphics may begin. Students will have the opportunity to earn an industry recognized certification at this level.	

Print Media I (TE 220 Yearbook)

Credit: .5

Grades: 9-12

Prerequisite: None

Fee: \$20

Students demonstrate their understanding of a variety of programs and occupations in print media using digital tools that are widely available in professional publication work. Focus is on producing content for reader-oriented publications. Instruction will be paired with hands-on lab experiences in community reporting, both verbal and visual. Students in this course at RHS will engage in completing the school's yearbook to commemorate experiences throughout the school year.

Print Media II (TE 320 Yearbook)

Credit: .5

Grades: 9-12

Prerequisite: Print Media I

Fee: \$20

This course is recommended for students who have completed Print Media I and who want to develop their leadership skills while expanding on various modes of reporting and creating print media for specific audiences. Instruction will be paired with hands-on lab experiences in community reporting. Students in this course at RHS will engage in completing the school's yearbook to commemorate experiences throughout the school year.

Work-Based Learning: Design & Multimedia Arts A/B (TE 430/431 WBL)

Credit: .5

Grades: 11-12

Prerequisite: Graphic Design and Illustration II

Students build on prior knowledge and skills in the program of study to further develop and apply employability and technical skills that prepare them for success in future career and postsecondary education.

Work-Based Learning: Digital Media and Communications A/B (TE 440/441 WBL)

Credit: .5

Grades: 11-12

Prerequisite: None

Students build on prior knowledge and skills in the program of study to further develop and apply employability and technical skills that prepare them for success in future career and postsecondary education, as deemed developmentally appropriate. Students will 1) Identify career goals and how the WBL experience supports these goals. 2) Develop a training plan that specifically outlines technical skills with their supervisor/employer. 3) Agree to a supervisor/employer and school approved safety agreement. 4) Document hours, responsibilities, and learning that occurs within the WBL experience. Achieve a minimum of 30 contact hours with industry 5) Receive formal, period evaluation from the supervisor/employer that is shared and stored at the school and 6) Reflect on and/or revise their career plan based on the WBL experience.



AIMS CRIMINAL JUSTICE

****Classes are offered at Roosevelt High School Students should enroll in all four classes. These are concurrent enrollment classes where students can earn credit towards high school graduation and college credit through Aims Community College simultaneously.**

Aims Intro to Criminal Justice (CRJ 1010)

Credit: .5 (Weighted) / 3.0 Aims Grades: 11-12

Prerequisite: None

Fee: Administration and Textbook *College Credit*

This course introduces a study of the agencies and processes involved in the criminal justice system: the legislature, the police, the prosecutor, the public defender, the courts, and corrections. Included is an analysis of the roles and problems of the criminal justice system in a democratic society, with an emphasis upon inter-component relations and checks and balances.

Aims Policing Systems (CRJ 1025)

Credit: .5 (Weighted) / 3.0 Aims Grades: 11-12

Prerequisite: None

Fee: Administration and Textbook *College Credit*

This course examines policing in the United States, including: historical foundations, emerging issues, and the relationship between law enforcement and the community. The various types of law enforcement agencies, their administrative practices, and the behavior of those involved in the delivery of police services are examined from the perspective of democratic values, racial and ethnic diversity, and societal perceptions of police effectiveness. Career requirements, including current and future trends, are also presented.

Aims Judicial Function (CRJ 1035)

Credit: .5 (Weighted) / 3.0 Aims Grades: 11-12

Prerequisite: None

Fee: Administration and Textbook *College Credit*

This course examines the criminal process with an analysis of the major judicial decision-makers; i.e., prosecutors, defense attorneys, judges, and the discretionary aspects of adjudication.

Aims Correctional Process (CRJ 1045)

Credit: .5 (Weighted) / 3.0 Aims Grades: 11-12

Prerequisite: None

Fee: Administration and Textbook *College Credit*

This course focuses on the post-conviction corrections process, the development of correctional philosophy, theory, and practice, a description of institutional operation, programming and management, and community-based corrections, probation, and parole.



STAND ALONE CTE COURSE

Aims Environmental Science w/Lab A/B (ENV 111A/111B)

Credit: 1.0 (Weighted) / 4.0 AIMS	Grades: 10-12
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Prerequisite: Biology/Honors Biology + Chemistry (or concurrent with Chemistry) and Algebra 1

Fee: \$25 (lab costs)	*College Credit*
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This is a concurrent enrollment class with Aims Community College. Aims Environmental Science 1111 provides an introduction to the basic concepts of ecology and the relationship between environmental problems and biological systems. This course includes interdisciplinary discussions on biology, chemistry, geology, energy, natural resources, pollution, and environmental protection. Using a holistic approach, students will study how the foundations of natural sciences interconnect with the environment. Laboratory experience is included. This course is a statewide guaranteed transfer course GT-SC1 but cannot be applied toward an Associate of Science degree. NCAA APPROVED

ACC Mental Health Crisis and Intervention: Preparedness and Empathy (BEH 1001)

Credit: .5 (Weighted) / 3.0 Aurora Community College	Grades: 10-12
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Prerequisite: None

Fee: None	*College Credit Opportunity*
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This course focuses on the skills necessary to recognize and assess warning signs of mental health distress and crisis intervention through evidence-based practices. This course also emphasizes trauma-informed care, non-violent crisis intervention, and interventions for diverse populations. This course will prioritize preparation for becoming a compassionate and skilled crisis intervention professional. ****This course is also offered as a three credit hour course—BEH 1001 at Aurora Community College. Talk to the instructor if you are interested in pursuing this class for college credit.**

ACC Introduction to Behavioral Health Care & Wellness (PTE 1010)

Credit: .5 (Weighted) / 3.0 Aurora Community College	Grades: 11-12
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Prerequisite: None

Fee: None	*College Credit Opportunity*
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Explore basic principles of behavioral health and wellness care in behavioral health settings. This course develops interpersonal and technical skills while working with clients in psychiatric care settings. ****This course is also offered as a three credit hour course—PTE 1010 at Aurora Community College. Talk to the instructor if you are interested in pursuing this class for college credit.**

WBL: CTSO Student Leadership (WBL 450)

Credit: .5	Grades: 10-12
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Prerequisite: Must be a CTSO officer, Advisor Approval

This course is designed for CTSO chapter officers to further develop their leadership skills within their CTSO and to hold themselves accountable for the responsibilities of being an officer within their organization. There are three purposes for this course: To better understand the role of your CTSO, Learn techniques and systems to run effective meetings and promote financial leadership activities, and Learn techniques and systems to run effective meetings and promote financial leadership activities. Students will be enrolled in their respective pathway WBL course. Students will have weekly seminars with the course instructor as well as engage in activities that support their individualized plan.



> OTHER ELECTIVES

Credit Recovery A/B (CR100/CR101)

Credit: .5	Grades: 9-12
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Prerequisite: Counselor placement only

The credit recovery lab is available for students who have previously failed a course that is a graduation requirement. The curriculum is web-based, which allows for individualized course content and self-paced model.

Independent Study S1/S2 (EL120/EL121)

Credit: .5	Grades: 11-12
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Prerequisite: Counselor placement only

Students must have a field of study or special project arranged with the sponsoring teacher. Each Independent Study course must meet or exceed Carnegie unit time frame. The sponsoring teacher and Independent Study student must have completed the appropriate application and have principal and counselor approval. Courses identified with an "IS" on transcript, along with a descriptive course title.

Office Assistant (Counseling Office or Front Office) A/B (EL 110/111) / (EL 100/101)

Credit: .5	Grades: 11-12
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Prerequisite: Must be in good academic standing

Students may apply to be an aide in the Counseling Office or Front Office. ONLY ONE AIDE POSITION PER SEMESTER IS ALLOWED! Maximum of 2.0 credits of aide classes may be used for graduation.

Student Council (EL 300)

Credit: .5 per semester	Grades: 9-12
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Prerequisite: Enrollment is by Student Council/Student Body Election

Required for elected Student Council members. Students will plan and implement school activities and events such as Homecoming Week (outside of school time is required). In addition, students will learn how to be effective student leaders by completing leadership related projects. STUCO will be required to meet daily (as a scheduled class) for the entire year.

Teacher Assistant A/B (EL 115/116)

Credit: .5	Grades: 11-12
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Prerequisite: Must be in good academic standing

Students are required to fill out an application requesting a student aide and will be assigned according to need. ONLY ONE AIDE POSITION PER SEMESTER IS ALLOWED AND NOT DURING A TEACHER'S PLAN TIME! Maximum of 2.0 credits of aide classes may be used for graduation.

Work Experience A/B (BUS 162/163)

Credit: .5	Grades: 11-12
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Prerequisite: Must be employed

This program allows students to earn elective high school credit for successful employment outside of school. Students must complete a work experience application, turn in two supervisor evaluations, and provide proof of a minimum of 90 hours worked per semester. This is a Pass/Fail course.

> REGARDING COURSE FEES

For courses which have fees, these may be reduced or waived for students qualifying for free and reduced lunch. Please contact your counselor to find out if you qualify.

AIMS CAREER ACADEMY

> Are you interested in the following programs?

- Audio & Radio Production
- Automotive Collision Repair
- Automotive Service Technology
- Aviation
- Emergency Medical Technician
- Health & Exercise
- Med Prep
- Welding Technology

It's easy to get started!

1. CHOOSE A CAREER ACADEMY PROGRAM YOU ARE INTERESTED IN.
2. TALK TO YOUR SCHOOL COUNSELOR TO SIGN UP FOR CAREER ACADEMY



Scan the code or
visit the link to
learn more.

aims.co/career-academy



> THE ENTIRE RHS TEAM IS HERE < TO SUPPORT YOUR SUCCESS

If you have questions about registration
please contact your counselor or administrator.

COUNSELORS

Students A-G

Estrella Gallegos
Phone: (970) 587-6023
Email: estrella.gallegos@weldre5j.org

Students H-PE and Bilingual

Cammie Cline
Phone: (970) 587-6137
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Students PH-Z

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**Providing opportunities for all
RHS students to succeed,
wherever your dreams
may take you.**

