



FOUNTAIN-FORT CARSON HIGH SCHOOL

2022 – 2023 COURSE CATALOG



Back to School Days



Dear Students and Parents:

Deciding what courses to take in high school is one of the most important decisions a person makes. It can impact future opportunities and paths that will be opened or closed. Because of its importance, our goal at Fountain-Fort Carson High School is to provide our students and families with as much information and guidance as possible in order to make informed decisions.

FFCHS offers a variety of opportunities for our students. In the pages that follow, we provide a description of all the courses that are offered here, as well as information about college admissions, school policies around grading, and other important information about opportunities after high school. Please take the time to read through this information and ask questions if you need any clarification.

Our goal is to provide a quality education and help students become career and collage ready. In order to accomplish this goal, it is important that the decisions made today are the right choices and have been thoroughly thought out and students and families are armed with the right information.

We are here to support students as they pursue their academic interests. Our faculty is dedicated to serving our students and provide them with the opportunity to achieve their goals. We will work with students and their families to accomplish these goals.

Fountain-Fort Carson High School offers a variety of opportunities for students, and we want our students to take advantage of the resources we provide. Together, we believe our students can accomplish whatever lies in their future. We thank you for taking the time to look through our course description guide, and are here to answer any questions that may arise. We look forward to continuing to serve our current students, and are excited for our incoming class to join our Trojan family.



Sincerely,

A handwritten signature in blue ink that reads 'Patrick J. Krumholz'.

Dr. Patrick J. Krumholz
Principal
Fountain-Fort Carson High School

How to Navigate this Course Catalog

This catalog was designed to allow the user to move fluidly between pages by scrolling or using links. The course is presented in the following order:

- Table of Contents – hyperlinked to the various areas of the catalog
- Information and logistics of Fountain-Fort Carson enrollment practices and opportunities
- 4-Year Planning tool to help develop a roadmap of courses from 9th – 12th grade
- Subject offerings and course descriptions

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Leads you to the Subject Areas offered along with course descriptions.

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Leads you to the Subject Area menu.

School and District Information

Please visit our District website at www.ffc8.org or our school website at www.ffc8/FFCHS for information to help create smooth transitions between schools and find valuable information on important events, daily announcements, newsletters, open house, athletics, clubs, high school planning, postsecondary planning, test preparation, college and scholarship information and more!! Click on links below:

[Infinite Campus](#)

[Parent Portal](#)

[Counseling Center Newsletters](#)

Extracurricular Activities, Clubs, Sports, and Career & Technical Student Organizations



Being an engaged student happens inside and outside the classroom. The benefits to participating in extracurriculars are numerable. The Brandon University Journal of Graduate Studies in Education identifies how such participation positively supports how a student develops both academically and personally. These activities provide opportunities for character development, improved academic success, stronger time-management techniques, leadership skill development, and a greater interest in being involved with the community. These activities give students the ability to be part of something bigger and develop better confidence. Find what activities you can be a part of at: [Extracurricular Activities](#)

Non-Discrimination Clause

Fountain-Ft. Carson School District 8 does not discriminate based on race, color, national origin, sex, or disability in its programs or activities. A lack of English language proficiency will not be a barrier to admission and/or participation in any aspect of any academic or career and technical education programs, offered through the school district. The following people are designated compliance officers to handle inquiries regarding the nondiscrimination policies, and are delineated further by employee compliance officer and student compliance officer for discrimination inquiries and/or complaints related to either group:

Student Matters Compliance Officer:

Dr. Montina Romero, Deputy Superintendent
mromero@ffc8.org

Employee Matters Compliance Officer:

Mr. Joel Hamilton, Executive Director, Human Resources
jhamilton@ffc8.org

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REGISTRATION, ENROLLMENT, & SCHEDULING

Student Registration

All students, new and returning, must participate in Fall registration, also called Student Registration. Scheduled dates for each grade level will be posted on our website <http://ffchsweb.ffc8.org> in July. Registration forms must be filled out online and submitted to FFCHS during these days. Parents of returning students (including incoming freshmen from Carson Middle School and Fountain Middle School) need to electronically register online. All new students must appear in person during New Student Registration. New students unable to attend Back to School Days should call the counseling department to schedule an appointment. Please call (719) 358-4385.

Electronic Registration

Links to registration forms are found on our website <http://ffchsweb.ffc8.org> (click on the red pencil on the right hand side). By completing and submitting forms electronically, you have registered your student for the current school year. You will find a link under each FFCHS student entitled "Registration Checklist". This list will assist you in determining if your forms were received by the registrar's office. To complete registrations, please call the Counseling Center for an appointment at (719)-358-4386. Students registering for school after the first day might not be placed into requested courses due to availability. It is always best to register before school begins.

Fees may be paid online for physical education uniforms, specific course fees, yearbooks, and mandatory annual laptop fee at <http://ffc8.revtrak.net/tek9.asp>

Minimum Course Load Requirements

All students must enroll in seven periods per day to include a full year of math, language arts, science, and social studies for their first three years. Release or "free periods" are not an option in a student's schedule. Additionally, if enrolled in a yearlong course, students are required to remain in the course the entire year.

Enrolling New Students

Please bring the following documentation:

- Birth certificate
- Immunization records
- Name, address and phone number of previous school
- Documentation/Transfer Packet from previous school to include withdraw grades for accurate course placement
- Proof of residence (escrow paperwork, lease agreement, most recent gas/electric/water bill, credit card or similar statement with current address)

If you are entering FFCHS during the school year, please schedule an appointment with our registrar at (719) 358-4386 between 8:00 AM-4:00 PM MST, Monday-Friday.

Late Enrollment and Credit Eligibility

Students enrolling after the beginning of each semester begins, or after a lengthy gap in attendance, that **do not have transfer grades from a previous school**, the following guidelines apply:

Day of School	Credit Eligibility
1 st – 15 th	Students may enroll. The student will be responsible for making up missed course work.
16 th – 30 th	Student may enroll. Credit for course will be determined by the counselor and administrator.
After 30 th day	Student may enroll, but will not receive credit for course.

Credit Transfer

Counselors and administrators will determine transfer credits of students with high school work on record. Students behind in credits towards graduation or who have not been in regular attendance in any school for a period of more than three (3) weeks may be recommended for placement at Welte Education Center for a smoother transition. Please be sure that we receive official transcripts for the students' previous coursework as soon as possible. Students will be placed in courses based upon skills, earned credits, grade level, and deficient graduation requirements.

Grade Level Determination

New students entering from non-Colorado regionally accredited public schools and private schools shall be placed in grades and courses based on their grade placement/credits in the school from which they are transferring. The district administration, through academic achievement tests and other evaluation measures as found necessary, shall determine the appropriate grade level/credit status of students transferring from home schools or private schools that have not been accredited by the Colorado Department of Education.

A STUDENT MUST HAVE EARNED:					
TO BE CLASSIFIED AS A:	Language Arts	Math	Science	Social Studies	Total
Senior	3 credits	3 credits	3 credits	3 credits	18 credits
Junior	2 credits	2 credits	2 credits	2 credits	12 credits
Sophomore	1 credit	1 credit	1 credit	1 credit	6 credits

Schedule Changes

The constraints of the Master Schedule may make it difficult and many times impossible to change courses. If possible, students may make schedule changes after the first day of school. Counselors are available before and after school, and at lunch for the first five (5) days of 1st and 2nd semester to make changes. Students wishing to change courses, will first need to have a parent signature on a Schedule Change Request Form available in counseling. Examples of appropriate changes include a schedule that:

- Does not fulfill the required 7 periods
- Does not include required Academic Electives
- Does not include enough core classes (at least 1 language arts, 1 science, 1 social studies, and 1 math)
- Places a student in the wrong course level or the student does not meet the course prerequisite
- Includes a course the student has already taken
- Includes a course the student is physically unable to perform the requirements (doctor's note required)

Drop/Add Policy

To ensure the academic integrity of courses offered at FFCHS, the following Drop/Add Grading Policies are in effect:

Day of Class	Policy
1 st – 10 th	A student may drop a course without grade penalty, pending approval of the counselor and parent. After the 5 th day of the semester, additional approval of an administrator must be given. A parent signature is required. Another course must replace the dropped course. The student is responsible for making up all assigned work in the new course. Parental approval may be required for all dropped courses.
11 th – 15 th	A student may drop a course, pending approval of a counselor, teacher, and/or administrator. An alternate course must replace the dropped course and the student is responsible for making up all assigned work to earn credit in the new course. Parental approval may be required for all dropped courses.
16 th and on	A student may drop a course, pending approval of a counselor, teacher, and/or administrator and receive either a "WP" (withdraw passing in satisfactory academic standing) or "WF" (withdraw failing-earning a 59% or less during time of withdraw) on their academic transcript. Neither the term/cumulative GPA nor class rank will be affected by the WP or WF. The student may be placed in an alternate course and is expected to participate while on audit status (for no credit and a "NM" on the transcript). Parental approval may be required for all dropped courses.

PreAP and College Course Enrollment Appeal Process

Students and parents must sign an Advanced Course Parent Agreement Form to enroll in a course in which the student does not meet prerequisites. This form indicates that parents and students assume responsibility for grades and course expectations. **Schedule Change Request Forms** are available in the counseling center for students or parents to pick up.

Transcript Request

- Current students should use Naviance or SCOIR for all Transcript requests.
- For specific programs needing hardcopy transcripts, download a Request for Transcript Form from our website <http://ffchsweb.ffc8.org> and click on Counselling>Official Transcript
- Fax the completed form to 719.382.4792.
- Please allow 2-3 business days for processing.

Graduation Requirements

GRADUATION REQUIREMENTS	
Subject	Credits
Language Arts*	4
Mathematics*	3
Science*	3
Social Studies* (must include US History and American Govt)	3
Physical Education	1.5**
Health	0.5
Fine Arts	1
World Language	1
Academic Electives***	3
General Electives	4
Total Credits	
*Core Subject	
24	

*All students are required to enroll in a full year of math, science, and social studies each of their first 3 years in high school.

*Students are required to have language arts all 4 years.

**Students participating and passing a full year of JROTC will be allowed to waive the following:

JROTC 1/Let 1 Rifle = 0.5 PE waiver

JROTC 2/Let 2 Rifle = 1.0 PE waiver

JROTC 3/Let 3 Rifle or Staff = 1.0 PE waiver **or** 1.0 Academic Elective

JROTC 4/Let 4 Rifle or Staff = 1.0 PE waiver **or** 1.0 Academic Elective

**Students participating and completing an entire Marching Band season can waive 0.5 of Physical Education Credit, up to a maximum of 1.5 credits during their high school career.

**Students who complete an entire sports season competing for FFCHS can waive 0.5 of Physical Education Credit, up to a maximum of 1.5 credits during their high school career.

**Students who successfully pass Trojan Sports Network (TSN) can waive 0.5 of Physical Education Credit per semester, up to a maximum of 1.5 credits during their high school career.

***Academic Electives include - English, Math, Science, Social Studies, World Language (exceeding the 1-year World Language requirement), Engineering/STEM, Business, Learning Strategies, Math Strategies, Literacy Enhancement, most ELL, ACE, AVID Elective, Peak Skills, Trojan Academy, and other courses as approved by the Principal.

Grading Scale

Students are graded on a 0-4 scale showing their level of mastery in each of their courses. All scores will be reported in a GPA style format, as a 0, 1, 2, 3, or 4 (no decimals) for all pieces of evidence. Students will be given measures that will provide evidence of their mastery toward the content standards and essential skills in each specific course. These measures are then used to calculate an overall letter grade. The final letter grade for the course will be determined by a combination of the average scores from the evidence submitted, the *business rule for earning credit**, and the teacher's professional determination of each student's skills and knowledge.

**Business Rule for Earning Credit*: In order to pass any class and earn credit for the course, your students must show at least limited mastery (1 or higher) on over half of their standards, skills, and/or measures of learning.

Grade Points

Grades for all courses are counted in the grade point average, except courses taken on a pass/fail basis. The four-point method is used in determining grade point in all regular (unweighted) courses. The five-point method is used in determining grade points in honors or college level (weighted) courses.

Unweighted Grade Points	Weighted Grade Points
A = 4 grade points	A = 5 grade points
B = 3 grade points	B = 4 grade points
C = 2 grade points	C = 3 grade points
D = 1 grade points	D = 1 grade points
F = 0 grade points	F = 0 grade points

Late/Missing Work Policy:

Evidence is a key component in determining our student's proficiency and not all students will learn at the same pace. Therefore, there will be no penalty for late work. However, deadlines for submission of evidence are important and will be imposed at the **end of each quarter**. Teachers will continue to allow flexible demonstrations of learning and adjust gradebooks accordingly. In order to earn a retake and/or reassessment of any of their measures of learning, students may be required to complete specific formative assignments, class practice assignments, and/or reflection and remediation strategies before a retake and/or reassessment will be granted. Missing work will not be calculated against the grade until the end of each quarter. At that point, all missing work will be marked as a 0 due to a lack of evidence. Grades at FFCHS are based on the following:

Final Exams

All students must take finals. Student attendance during finals is mandatory. Any student with extremely extenuating circumstances must obtain approval from the Principal to take early or late finals. Please contact the Principal's Secretary.

Incomplete Grade

Students may request incomplete grades for extenuating circumstances. No incomplete grades will be given without administrative approval. Regardless of circumstance, make up work and/or final need to be completed within two weeks of grades being posted. It is the responsibility of the student to arrange times to meet with teachers for exams and tutoring. An "I" or Incomplete grade may be changed to an "F" (or earned percentage) two weeks after grades have been posted.

Credit Recovery

Students and parents are ultimately responsible for monitoring the student's schedule of courses and for fulfilling graduation requirements. Students not on track for graduation will be recommended for additional credit opportunities and courses necessary for graduation. Fountain- Fort Carson High School grants credit for course work successfully completed in any regionally accredited summer school program. Juniors and seniors may use approved online course work to make up failed requirements as well. Students not on track for graduation should see their counselor immediately to create a plan for credit recovery. Seniors who have not completed all requirements for graduation will not participate in the graduation ceremony.

Online Credit Recovery

FFCHS's online learning digital curriculum, ACELLUS, is available for credit recovery on a case by case basis with recommendation and approval. ACELLUS classes are reserved for Seniors who may need credit recovery and take place on Tuesdays and Thursdays after school. Students may earn **no more than 1 credit** in any one core or elective area via ACELLUS credit recovery.

Class Rank

Class rank will be based on the weighted cumulative GPA for all GPA's less than or equal to 4.0. For GPA's over 4.0, total bonus points will determine class rank. Bonus points are awarded as outlined below per semester credit. For example, a student with all A's that has taken 11 weighted courses would have 11 bonus points.

Unweighted Grade Points	Weighted Grade Points	Bonus Points (Weighted Courses)
A = 4 grade points	A = 5 grade points	A = 1
B = 3 grade points	B = 4 grade points	B = 0
C = 2 grade points	C = 3 grade points	C = -1
D = 1 grade points	D = 1 grade points	D = -3
F = 0 grade points	F = 0 grade points	F = -4

Semester Honor Roll

PRINCIPAL'S ACADEMIC AWARD	4.0 and higher	First time students will receive a 7" Chenille Letter A gold bar will be issued for every subsequent 4.0 semester
OUTSTANDING ACADEMIC AWARD	3.6 to 3.99	Students will receive an Honor Roll Certificate
HONOR ROLL	3.40 - 3.59	Students will receive an Honor Roll Certificate

Process for Early Graduation

A student wanting to graduate in December of their senior year is required to meet with their grade level counselor to determine if he/she is on track to graduate and is eligible for early graduation. An early graduation contract and a letter to and meeting with the principal for his approval are due by May 15th of their junior year. The student must have earned 3.0 credits in each core subject prior to the fall of their senior year.

Valedictorian

The graduate with a GPA of 4.0 or greater that has the most bonus points will be recognized as the Valedictorian. Bonus points are earned only in courses available at FFCHS or equivalent to courses from transferring students. College courses taken off campus or as a PSEO option will not be weighted courses and accrue no bonus points. For each graduating course, a maximum number of bonus points will be established. For example: If we offer AP World History at FFCHS, a student transferring in with AP European History may count these as bonus points. Similarly, if we do not offer a weighted grade in world language, the transfer student may not earn bonus points for Honors or AP Spanish. All students with GPA's of 4.0 or greater will be recognized as Graduating with Distinction. Valedictorian and Salutatorian will be the determined based upon total bonus points earned during their entire high school career, including their eighth semester.

Convocation Awards

Senior Convocation Awards are based on their cumulative GPA for all 4 years of high school. Nominated students are recognized for outstanding achievement in each core subject area (language arts, mathematics, science, social studies). Scholarships, athletic awards, service academy appointments, and other distinctions (including those that are not being accepted) are read during the Senior Convocation ceremony. Please send a copy of all award letters, scholarships and other recognition documentation to the counseling center by May 1st of senior year. Underclassman Convocation Awards for freshmen, sophomores and juniors are based on a cumulative GPA.

Distinguished Honors: 4.0 and above

High Honors: 3.6 – 3.99

Honors: 3.4 – 3.59

Higher Education Admission Recommendations

Students planning to attend a four-year college or university **in Colorado** should complete the following courses to fulfill the High Education Admission Recommendations (HEAR). HEAR is one factor of many that public four-year institutions consider in the admission decision process. Visit the CDHE Admission webpage to learn about all admission review factors. Meeting HEAR does not guarantee admission to a four-year public institution within Colorado. *HOWEVER, in and out of state colleges, universities and certain academic programs may have additional admission factors and courses. Verify with colleges and universities of interest for specific admissions and course requirements.*

Higher Education Admission RECOMMENDATIONS (HEAR)	
English*	4
Mathematics (must include Algebra I, Geometry, Algebra II or equivalent)	4
Natural/Physical Sciences** (2 units must be lab-based)	3
Social Studies (at least one unit of US or World History)	3
World/Foreign Language***	1
Academic Electives****	2
****plus, additional courses to meet high school graduation requirements	

*Two units of ESL English may count for HEAR recommendations when combined with two units of successfully completed college preparatory English.

**College-preparatory ESL mathematics/science courses that include content and academic rigor/level comparable to other acceptable courses may satisfy HEAR recommendations.

***American Sign Language (ASL) courses can count toward the World / Foreign Language recommendation.

****Acceptable Academic Electives include additional courses in English, mathematics, natural/physical sciences and social sciences, foreign languages, art, music, journalism, drama, computer science, honors, Advanced Placement, International Baccalaureate courses, and appropriate CTE courses. The Colorado Commission on Higher Education does not review individual high school courses to determine whether or not they meet Colorado's Higher Education Admissions Recommendations. Local school districts in Colorado oversee their high school curricula and colleges and universities establish their own entrance standards, it is their discretion to determine what coursework meets HEAR.

AVID

AVID stands for Advancement Via Individual Determination. AVID supports students who possess the desire to go to college and the willingness to work hard, but are struggling with the 'how' they will get to college. Often times this represents students who may be the first in their family to attend college or are from a demographic that is underrepresented in higher education. AVID supports students in developing effective college-readiness skills. It supports students in realizing their full potential through Advanced Placement courses, some of the most challenging courses at Fountain-Fort Carson High School. Students learn organizational and study skills, work on critical thinking and questioning, receive academic assistance to support their success in their courses, and participate in college-readiness activities.

Advanced Placement (AP)

Advanced Placement (AP) courses are designed as a college level course to offer students the opportunity to earn college credits before they leave high school. Most AP students enroll in college with required credit requisites completed so they can skip those introductory courses (and the cost) during their first years of college. AP courses support students in their ability to open up time on their schedule or even graduate early. AP courses on a transcript demonstrate a motivation to succeed and the ability to complete college level work. This in-turn makes a student's college application stand out. Students who take an AP course must pass with a C or higher to avoid paying the tuition attached to the course.

Career and Technical Education (CTE)



Did you know that nearly 80% of Colorado jobs will require some form of postsecondary education and 60% will require at least a 2-year degree? Fountain-Fort Carson High School has robust Career and Technical Education programs that are preparing students for careers and college. Career and Technical Education is the gateway to postsecondary workforce readiness. Today's generation of CTE programs are totally integrated with the academic courses, combine relevance and rigor, prepare learners for college and careers, offer opportunities to develop their leadership skills, and promote partnerships among education,

the workforce, business & industry, and the community. Students can choose from multiple options, including: Computer Science, Aerospace Engineering, Culinary, Teacher Cadet, Biomed...just to name a few of the career pathways you will see in this catalog (Full list of [Career Pathways](#)). For more information on the career pathways opportunities our school district offers, go to our CTE webpages: <https://www.ffc8.org/Page/6147>

College Credit and Dual Enrollment Guidelines

Concurrent credit is credit earned in both college and high school simultaneously. CU-Denver, CSU-Pueblo and Pikes Peak Community College offer multiple courses to our students. To qualify, students:

- Must be in the 11th or 12th grade.
- In some cases, sophomores can take college courses offered at the high school with met prerequisites and administrative/college approval.
- Must have qualifying placement test scores (PSAT, SAT, Accuplacer, ACT, or SCANTRON).

Independent Study

Independent study is only recommended in rare cases. It is best used for irresolvable scheduling conflicts, student hardship, and occasionally for academic enrichment. A certified teacher, within the appropriate content area, must be assigned to monitor a student wishing to take an independent study course. No student will be enrolled in an independent study without permission of the Principal.

Junior Reserve Officer Training Corp (JROTC)

The US Army JROTC program provides equitable and challenging academic content that align with the Common Core State standards and align with the Colorado career clusters. JROTC approaches academics using the four-part model to support Cadets building skills in collaboration, reflection, critical thinking, leadership, health and wellness, and emotional intelligence. JROTC motto is to "Motivate Young People to Become Better Citizens". In addition, students participating and passing a full year of JROTC will be allowed to waive the following:

- JROTC 1/Let 1 Rifle** = 0.5 PE waiver **JROTC 3/Let 4 Rifle** or Staff = 1.0 PE waiver **or** 1.0 Academic Elective
JROTC 2/Let 2 Rifle = 1.0 PE waiver **JROTC 4/Let 4 Rifle** or Staff = 1.0 PE waiver **or** 1.0 Academic Elective

Gifted and Talented

Gifted children are those students, pre-school through 12th grade, who give evidence of high achievement capability in areas such as intellectual, creative, artistic, leadership, or specific academic fields, and require differentiated learning opportunities to fully develop those capabilities.

Screening Process A four step process is used to identify Highly-capable and Gifted Students at FFCHS. A student may be nominated for consideration by a parent, teacher, previous district identification, or assessment data. A student new to FFC8 who was previously identified GT in another district/state will automatically be nominated for the screening process. A body of evidence is collected for an identification process. Based on the student's learning profile, the Gifted and Talented team will convene to analyze the data and determine the level of appropriate identification. If a parent, student or teacher does not agree with the identification decision, he/she has the right to an appeal (see below).

Step I-Nomination: A student may be nominated for the identification process by either parent, teacher, assessment results, or previous GT identification.

Step II-Collection of Body of Evidence: The Gifted and Talented Team including a building administrator will collect and review a Body of Evidence for the nominated student. This includes assessment results, course work, parental input, and teacher observations. The Identification Committee may make a recommendation for identification.

Step III-Identification:

- The Screening Committee will recommend one of the following levels of identification:
- Grade Level Learner: Body of evidence suggests the student is performing successfully on current grade level standards.
- Highly-capable Learner: Evidence suggests the student demonstrates potential and/or ability above grade level standards. The student may require differentiated teaching strategies or curriculum to ensure academic growth.
- Gifted Learner: Evidence strongly suggests the student demonstrates exceptional potential and/or ability. The student is identified as a Gifted
- Learner and an Advanced Learning Plan will be developed to ensure academic growth and achievement.

Step IV-Appeal Process: A parent, student or teacher has the right to appeal the identification decision. To initiate an appeal process the appellant should contact the administrator overseeing Gifted Education at FFCHS and complete the necessary documentation.

National Honor Society

Fountain-Fort Carson High School's National Honor Society is a recognized chapter in the National Honor Society. We follow the national guidelines. National Honor Society www.nhs.us is an organization that recognizes students for outstanding high school performance in scholarship, character, leadership and community service. Students are scholastically eligible at FFCHS for membership in National Honor Society provided they are at least juniors, have a weighted GPA of at least 3.8, and have been enrolled for at least a semester at FFCHS. Students who are scholastically eligible are encouraged to apply for membership in the FFCHS National Honor Society. This application allows the students to document their leadership, character, and community service. Leadership activities and community services may be at school or in community activities. These leadership and community service activities must have occurred while the student is in high school. (Efforts prior to high school may be recognized in National Junior Honor Society during their junior high school years.)

Transfer students who were members in NHS at their previous school may transfer membership. At the end of their first semester, they must meet the National Honor Society scholastic requirements at FFCHS. (Local NHS chapter GPA requirements vary from school to school. The GPA at FFCHS of the transfer student will reflect weighted and unweighted courses at FFCHS, so the GPA may change as a result of the transfer.) Transfer students may waive the one semester enrollment requirement by getting a letter from their previous school from either the principal or NHS Chapter Advisory stating that they met all the requirements for National Honor Society at that school. The transfer student could then apply through the regular process at FFCHS. Typically, students need two letters of recommendation. These letters may come from the previous school. Students may apply for membership in NHS each semester at FFCHS. The NHS Induction Ceremony is held annually.

CU Succeeds Concurrent Enrollment Program and Senior to Sophomore

Various courses offering students the potential to earn college credit are offered at Fountain-Fort Cason High School based on availability of approved/trained teachers and enough student requests. University of Colorado in Denver and Colorado State University in Pueblo and Fountain-Fort Carson high school have designed a cooperative program that provides the opportunity for Fountain-Fort Carson high school students to earn high school and college credit while attending courses on the high school campus. The college courses in this agreement meet the requirements and competencies established by CU-Denver and CSU- Pueblo. The instructors are certified as high school teachers and must meet the CU-Denver and CSU-Pueblo standards to teach at the college level. These courses are offered as part of the regular high school day and are free of charge. Upon satisfactory completion ('C' or better) of these courses, a student may use these credits toward a degree at the community college or university level in the state of Colorado. Out of state and highly selective colleges will make their own determination as to how these credits are transferred. College course offerings available at FFCHS:

CSU-P Teacher Cadet	CSU-P History 202	Student not passing a college course with at least a 'C' will be responsible for tuition reimbursement to Fountain Fort Carson School District 8 in the amount of \$180 per course failed or with a 'D'.
CSU-P Principles of Biology	CSU-P Spanish 201	
CU-Den General Chemistry I	CSU-P Spanish 202	

RESOURCES

English Language Learners (ELL)

Fountain-Fort Cason High School is committed to providing equal educational opportunities to all students. Inability to speak and understand the English language may prevent children from complete and effective participation in the general educational program. The English Language Learner (ELL) program has been developed to ensure that all students have equal access to the curriculum and equal opportunities to participate and succeed in the educational environment. Placement depends on a body of evidence which may include, but is not limited to, the following: screeners, WIDA ACCESS/ ELPA scores, surveys, teacher and parent input, grades, and other standards-based assessments.

In-State Residency for Military

Active-duty members of the armed forces of the United States and Canada on permanent duty station in Colorado and their dependents are eligible for in-state status, regardless of domicile or length of residence in Colorado. The military member must have reported to a duty station in the State, as certified by their military command, by the first day of class of the applicable academic term.

- Unless the student meets the requirement for domicile in Colorado for one year as detailed above, this eligibility expires as of the first term that begins after retirement or loss of dependent status, except that if student is a Colorado high school graduate and the parent was on active duty in Colorado during the student's senior year, then the student qualifies for in-state tuition.
- Military dependents continuously enrolled in a Colorado college continue to qualify for in-state tuition if the military member is transferred outside Colorado but not if the parent retires.
- Unless the student meets the requirement for domicile in Colorado for one year as detailed above, this eligibility expires as of the first term that begins after retirement or loss of dependent status.

McKinney-Vento Homeless Education Assistance Act

If, due to lack of alternative adequate accommodations, you must live in a shelter, motel, vehicle, or campground, on the street, in abandoned buildings or trailers, or doubled with relatives or friends, then in accordance with the McKinney-Vento Act, you are considered homeless. You, as a student, have the right to go to school, remain in your school of origin, and receive services and assistance. For information or assistance, please contact our District Social Worker for the Homeless at (719) 492-8810 or your school counselor.

PPBEA

Fountain-Fort Carson District 8 is committed to collaborate with community and industry partners to provide students opportunities for work-based learning in real-world settings. Colorado's labor market is evolving faster than ever. This collaboration has worked to develop work-based learning opportunities to enhance technical and professional skill acquisition in local industries. Learn more about the power of work-based learning here:

<https://www.ffc8.org/Page/4289>

You can learn more about the PPBEA here: <https://ppbea.org/>

Safe2Tell 1.877.542.7233 (SAFE)

Safe2Tell is ANONYMOUS – this means your identity is **UNKNOWN**. Anonymity is protected by Colorado state law. The Toll-Free number is: 1.877.542.7233 (SAFE). Enter the number into your cell phone, in case you ever need it! Web reports can be made from our main page. Safe2Tell is for serious reports only and saves lives of students in Colorado. It is NOT for pranks or hang-up calls. Remember "Telling" is not "Snitching" ... Telling saves lives. Think there's a chance it won't happen? NEVER LET "A CHANCE" TAKE A LIFE!

Students use Safe2Tell to report: bullying, stealing, threats, fights, drugs, alcohol, weapons, sexual misconduct, harassment, stalking, dating violence, cutting, suicidal behaviors or any other types of violent or dangerous situations that threaten their safety or the safety of others for prevention and intervention. The purpose of Safe2Tell is to help keep students safe and healthy.

SCOIR

SCOIR connects students, families, high schools and colleges for better admissions experience by delivering intentional, collaborative solutions to expand college access. SCOIR takes students' YouScience results, where they are matched with career paths and postsecondary education options through a series of brain games, and organizes their profile to streamline postsecondary planning. Students use this tool to keep track of volunteer and working hours, activities, and academic and personal achievements.

YOUSCIENCE

YouScience was adopted by FFCHS to support our students' ability to identify their strengths and align them with their interests as they ascertain the career field that is best for them. Through a series of brain activities and an interest inventory, students receive recommendations that support their ability to create goals for what they will do after high school. This includes postsecondary training options: on-the-job training, apprenticeships, certifications, or attending a college/university. Many students can only name a handful of career options. YouScience identifies many careers that truly align with an individual's personal aptitudes and interests, then provides information on how one can pursue that career pathway.

YOUR 4-YEAR PLAN



It is smart to develop a plan. The 4-Year Planning Sheet was designed to help you navigate and thoughtfully develop a course of study at FFCHS. When you are determining which electives you will take, you may want to consider what classes help support your career goals. FFCHS has many career pathway options for you to start preparing for life after high school. These courses develop the foundational skills and knowledge within the respective pathway, and many offer industry-recognized certificates. High school is the best place to gain insight to what the expectations and responsibilities are in different career fields. Namely, because it's basically free!

[Link to 4-Year Planning Sheet](#)



FOUNTAIN-FORT CARSON HIGH SCHOOL: 4-YEAR PERSONAL LEARNING PLAN & GRADUATION PLANNING WORKSHEET

In planning a four-year program, it is the student's responsibility to include all required courses. The chart below can be used to plan a tentative course pathway for graduation. Not all course options are listed below, so please see the FFCHS Course Catalogue for additional course offerings. Each semester of most classes earn students 0.5 credits. Students take seven classes (3.5 credits per semester). Students can view completed courses in Infinite Campus and re-evaluate their pathway each year to meet post-secondary and college planning.

Curricular Area	Credits Required	9th Grade	10th Grade	11th Grade	12th Grade	Postsecondary Goal
Language Arts	4.0	Lit.&Comp. I or Pre-AP <input type="checkbox"/> Earned Credit	Lit.&Comp. II or Pre-AP <input type="checkbox"/> Earned Credit	Lit.&Comp. III or AP Lang <input type="checkbox"/> Earned Credit	Lit.&Comp. IV or AP Lit <input type="checkbox"/> Earned Credit	Career Goal: Training Required: Lifestyle Goal (where you live, what you will live in, what you will drive, etc.)
Mathematics	3.0	Algebra I or PreAP Geometry or <input type="checkbox"/> Earned Credit	Geometry or PreAP Geo or Accelerated Geo or <input type="checkbox"/> Earned Credit	Algebra II or PreAP Alg II or <input type="checkbox"/> Earned Credit	Personal Finance/Math Survey/Intro to Statistics/AP Stats/College Algebra/ PreCalculus or <input type="checkbox"/> Earned Credit	
Science	3.0	Biology or PreAP Biology or <input type="checkbox"/> Earned Credit	Chem or PreAP Chem or <input type="checkbox"/> Earned Credit	Physics or AP Chemistry or <input type="checkbox"/> Earned Credit	See Available Options <input type="checkbox"/> Earned Credit	
Social Studies (Must include *Government)	3.0	Global Studies or AP Human Geography or <input type="checkbox"/> Earned Credit	World History or AP World History or <input type="checkbox"/> Earned Credit	US History or CSU US Hist. 201 & 202 or <input type="checkbox"/> Earned Credit	*Government or AP Government or <input type="checkbox"/> Earned Credit	
Physical Education (Must take Health once)	2.0	*Health 0.5 &/ or See Available Options <input type="checkbox"/> Earned Credit	*Health 0.5 &/ or See Available Options <input type="checkbox"/> Earned Credit	*Health 0.5 &/ or See Available Options <input type="checkbox"/> Earned Credit	*Health 0.5 &/ or See Available Options <input type="checkbox"/> Earned Credit	
World Language	1.0	Spanish I or German I <input type="checkbox"/> Earned Credit	Spanish II or German II <input type="checkbox"/> Earned Credit	Spanish III or German III <input type="checkbox"/> Earned Credit	AP German Lang&Culture or CSU-P Spanish 201 & 202 <input type="checkbox"/> Earned Credit	
Fine Arts	1.0	<input type="checkbox"/> Earned Credit	<input type="checkbox"/> Earned Credit	<input type="checkbox"/> Earned Credit	<input type="checkbox"/> Earned Credit	
Academic Electives (add'l Cores: Foreign Language, AVID, Trojan Academy)	3.0	<input type="checkbox"/> Earned Credit	<input type="checkbox"/> Earned Credit	<input type="checkbox"/> Earned Credit	<input type="checkbox"/> Earned Credit	
General Electives	4.0	<input type="checkbox"/> Earned Credit	<input type="checkbox"/> Earned Credit	<input type="checkbox"/> Earned Credit	<input type="checkbox"/> Earned Credit	
Total Credits Required	24	Credits Earned	Credits Earned	Credits Earned	Credits Earned	

*Required Courses
Students should check each individual college/university for specific admissions requirements which may require 4 credits of each core subject and 2-3 years of foreign language.

Health can be taken at any point (9th, 10th, 11th, or 12th grade)



IDENTIFY WHAT YOU ARE GOOD AT AND FIND A CAREER PATHWAY YOU MIGHT LIKE AFTER YOU GRADUATE



TAKE CLASSES THAT ALIGN WITH THAT PATHWAY AND SEE IF YOU LIKE THEM.



MEET PROFESSIONALS IN THE CAREER FIELD, GO ON JOB SHADOWS, PARTICIPATE IN AN INTERNSHIP



DETERMINE WHAT TRAINING YOU NEED TO GET INTO THE CAREER FIELD



SAVE \$ REACH YOUR GOALS



FFCHS
COURSE OFFERINGS
2022-2023

SUBJECT AREAS

LANGUAGE ARTS

MATHEMATICS

SCIENCE

SOCIAL STUDIES

WORLD LANGUAGES

PHYSICAL EDUCATION

GENERAL ELECTIVES

PRACTICAL ARTS

ACE PATHWAY
AVID
BUSINESS AND MARKETING PATHWAY
CULINARY ARTS PATHWAY
EDUCATION PATHWAY
TECHNICAL THEATRE
STEM (SCIENCE, TECHNOLOGY, ENGINEERING, MATH)
WOOD & METALS
JROTC

LITERACY

FINE ARTS

VISUAL ARTS
MUSIC
VIDEO PRODUCTION
DRAMA
SPEECH & DEBATE
POETRY & CREATIVE WRITING

CAREER PATHWAYS

AEROSPACE ENGINEERING
AGRICULTURE, FOOD & NATURAL RESOURCES
BIOMEDICAL SCIENCE
BUSINESS & MARKETING
CODING
COMPUTER SYSTEMS & NETWORKING
CULINARY ARTS
EARLY CHILDHOOD EDUCATION
ENGINEERING
GRAPHIC DESIGN
HEALTH SCIENCE
IT
MARKETING
TEACHER CADET
SKILLED TRADES
VIDEO PRODUCTION

SPECIAL EDUCATION

PPCC CAREER START

THE MILL

CAREERS IN CONSTRUCTION

INTERNATIONAL SALON AND SPA ACADEMY

CAREER PATHWAYS

Fountain-Fort Carson School District 8 offers multiple opportunities for students to learn foundational skills to develop a stronger capacity to continue a thoughtful path into a career following graduation. Using our students' results from YouScience, students can identify which classes are most appropriate given their potential future career pathway. The Career Cluster Model (below) depicts different career clusters that exist within our world today. By paralleling student classroom learning with real world application, students are better able to understand the purpose of their learning and develop a valuable perspective of the WHY of education. Our education system is built to prepare our children for higher education, teach students how to navigate social interactions with peers from different backgrounds, and help them to become productive members who actively contribute to our society. We recognize the importance in providing students the building blocks to support their realization of what they want to do in their futures. This can be supported through supplemental activities that spark their curiosity to learn more and to build upon their current skills and aptitudes.





CAREER PATHWAYS OFFERED at FFCHS

Follow the links to learn more about the courses offered.

Aerospace Engineering Career Pathway

PLTW: Introduction to Engineering Design A & B
PLTW: Principles of Engineering A & B
PLTW: Aerospace Engineering A & B
PLTW: Engineering Design & Development A & B

Agriculture, Food & Natural Resources Pathway

Ecology/Zoology
Ecology/Zoology II
Agriculture Science and Technology I
Agriculture Science and Technology II
Plant Science/Horticulture I & II

Business and Marketing Career Pathway – DECA/FBLA

Principles of Marketing
Event Marketing (Sports & Entertainment)
Business Communications
Principles of Advertising
Social Media for Business
Accounting Principles 1 & 2
Legal Environment of Business
Ethical Leadership
School-Based Enterprise – Operations Management
School-Based Enterprise – Retail

Coding Career Pathway

Coding A & B
IT Clinical Internship A & B

Computer Science & Networking Career Pathway

STEM: Computer Science Foundations A & B
STEM: Cyber 1A & B
STEM: Cyber 2A & B
STEM: Computer Systems A & B
STEM: Networking A & B
PLTW: Introduction to Engineering Design A & B
PLTW: Principles of Engineering A & B
PLTW: Computer Science Principles A & B
PLTW: Engineering Design & Development A & B
IT Clinical Internship A & B

Culinary Arts Career Pathway

Culinary Essentials 1
Culinary Essentials 2
Culinary Arts 1 A & B
Work Based Learning FACs

Early Childhood Education Career Pathway

Early Childhood Education Aide
Early Childhood Education

Engineering Career Pathway

PLTW: Introduction to Engineering Design A & B
PLTW: Principles of Engineering A & B
PLTW: Computer Science Principles A & B (AP)
PLTW: IT Clinical Internship A & B

Graphic Design Career Pathway

Digital Media A & B
Graphic Design 1
Graphic Design 2
Practicum in Graphic Arts

Health Science Career Pathway

Athletic Training
PLTW: Biomedical Science–Principles of Biomedical Sciences
PLTW: Biomedical Science – Human Body Systems
Human Anatomy and Physiology
AP Chemistry (CU-Denver General Chm I/II + labs)
PLTW: Biomedical Science – Medical Interventions
AP Biology/CSU-Pueblo Biology
PLTW: Biomedical Science – Biomedical Innovation

Postsecondary & Workforce Readiness Pathway

CD-I ACE Career Development I – Career Planning
CD-I ACE Career Development II – Job Seeking
PWR-I ACE Success Foundations
PWR-II ACE Success Systems
PWR-III ACE PWR Applications
WE-I ACE In-School Work-based Learning
WE-II ACE Community Work-based Learning
FL-II ACE Business Management & Entrepreneurship
CL-II ACE Computer Literacy: Software Applications
JROTC (LET 1)
JROTC 2 (LET 2)
JROTC 3-4 (LET 3-4)
JROTC Rifle

Skilled Trades Career Pathway and the Mill

Construction 1A
Construction 1B
Construction 2
Metals I
Welding
Metals II

Teacher Cadet Career Pathway

CSU – P Teacher Cadet 1A & 1B
CSU – P Teacher Cadet 2 A & 2B

Video Production Career Pathway

Audio & Visual Production I A & B
Audio & Visual Production II A & B
WBL: Digital Media & Communications A&B
Practicum in Audio/Video Production
Sports Broadcasting and Production – (TSN)



Literature & Composition III				01LC3s1/01LC3s2	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Language Arts (NCAA Approved)
GRADE:	11	GRADING SCALE:	Unweighted	PREREQUISITE:	Literature & Composition II
<p>Students will read a variety of short stories, poetry, essays, novels, and a play from American writers. The selected literature will be used to encourage reflections, personal responses, critical thinking, and literary analysis. Students will work on the communication areas of reading, writing, speaking, and listening reading and writing instruction will focus on idea development, organization, word choice, voice, sentence fluency, conventions, and presentation in writing, which include spelling, punctuation, grammar, and usage. This course includes up to eight Embedded Assessments which must be successfully completed to earn course credit. Instruction will prepare students for the SAT.</p>					

AP Language & Composition				01APLANG	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Language Arts
GRADE:	11	GRADING SCALE:	Weighted	PREREQUISITE:	Teacher Recommendation
<p>This very intense course using the national curriculum for AP Language and Composition. The primary goal of AP Literature & Composition is to introduce students to the rhetorical techniques that provide the basis for academic writing. In this course, you will improve your ability to read and analyze arguments from a variety of genres, and you will better understand the four-way relationship among critical thinking, reading, writing, and audience. In this class, you will be expected to participate in a discourse which promotes active learning. You will gain the skills necessary to communicate with clarity, coherence, and persuasiveness, and demonstrate critical analysis, logic, precision, and rhetorical awareness in the English language. In addition, you will be expected to engage in the process of critical thinking. The class will also focus on rhetoric and composition while preparing the students for the AP exam in May.</p>					
<p><i>An Exam fee is required for students in AP classes with a discount for students receiving free or reduced lunch. All students enrolled in AP classes are required to take the course AP exam in May. Additional fees may be assessed if the course is dropped after October 1st or a student fails to pass with a 'C' or higher.</i></p>					

Literature & Composition IV				01LC4s1/01LC4s2	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Language Arts (NCAA Approved)
GRADE:	12	GRADING SCALE:	Unweighted	PREREQUISITE:	Literature & Composition III
<p>Students will concentrate on applying six different literary perspectives to a variety of literature and media. The students will develop and understanding of an apply Reader Response Criticism, Cultural Criticism, Archetypal Criticism, Marxist Criticism, Feminist Criticism, and Historical Criticism to stories, poems, a play, and other forms of digital media. Students will work on the communication areas of reading, writing, speaking, and listening reading and writing instruction will focus on idea development, organization, word choice, voice, sentence fluency, conventions, and presentation in writing, which include spelling, punctuation, grammar, and usage. This course includes up to eight Embedded Assessments which must be successfully completed to earn course credit. Instruction will prepare students for post-high school academics and careers.</p>					

AP Literature & Composition				01APLIT	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Language Arts (NCAA Approved)
GRADE:	12	GRADING SCALE:	Weighted	PREREQUISITE:	Teacher Recommendation
<p>This is a yearlong course in English Literature, providing a survey of the major literary periods and the significant works of important authors. Each semester, students will read novels, short fiction, peruse many critical essays, and experiment with technical poetry analysis. The course follows the Advanced Placement Course of Study in preparation for the spring Advanced Placement Testing Program. Students enrolling in this course are expected to take the AP examination in May. The course will also include reviews for college entrance examinations, a fully documented library research paper, and preparation for the college essay.</p>					
<p><i>An Exam fee is required for students in AP classes with a discount for students receiving free or reduced lunch. All students enrolled in AP classes are required to take the course AP exam in May. Additional fees may be assessed if the course is dropped after October 1st or a student fails to pass with a 'C' or higher.</i></p>					

Genre Study: Science Fiction

01SFIC

CREDIT: 0.5 COURSE LENGTH: Semester CREDIT TYPE: Academic Elective (NCAA Approved)

GRADE: 11-12 GRADING SCALE: Unweighted PREREQUISITE: None

The course starts with research into science fiction, discovering where it started and how it has evolved over time. Students will read some early stories before moving into more modern stories/film/podcast adaptations of written pieces. Students will realize how science fiction mirrors society and social issues of the period and even create their own piece of work that fits into the genre as a culminating project.

Genre Study: Horror

01HOR

CREDIT: 0.5 COURSE LENGTH: Semester CREDIT TYPE: Academic Elective (NCAA Approved)

GRADE: 11-12 GRADING SCALE: Unweighted PREREQUISITE: None

The course starts with research into the genre, discovering where it started, and how it has evolved over time. Then, students will read some early stories before moving into more modern stories/podcasts/film adaptations of written pieces. Students will realize how the genre mirrors society and social issues of the period and even create their own piece of work that fits into the genre as a culminating project.

Attention Freshmen:

Research shows that success in high school math courses and beyond requires a solid mastery of Algebra I. Students with marginal to average Algebra abilities are prone to struggle in future math courses. To ensure four years of successful high school math, many ninth-grade students will be required to repeat Algebra I upon entering FFCHS. Ninth grade students who have exceptionally mastered Algebra I course concepts, demonstrated by a body of evidence and history of performance, may be recommended for Pre-AP Geometry. It should be noted that students taking Algebra in the 9th grade can still exhaust the FFCHS math curriculum, including Calculus, their senior year!

Algebra I				02ALG1s1/02ALG1s2	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Mathematics (NCAA Approved)
GRADE:	9	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>This secondary level course will focus on the fundamental skills of Algebra. National, State, and District academic content standards will be addressed by covering properties of real numbers, linear equations, functions, linear inequalities, systems of equations and inequalities, exponents and exponential functions, polynomials and factoring, probability and statistics. Problem solving, analysis, critical and visual thinking, mathematical and spatial reasoning, and real-world application strategies will be emphasized.</p>					
<p><i>Most 9th Grade Students will be required to take High School Algebra I. Students with exceptionally mastered Algebra Skills demonstrated by a body of evidence and history of performance may be considered for Pre AP Geometry. It is important to note that students with marginal to average Algebra competence are prone to struggle in future math courses. Students taking Algebra in the 9th grade can still exhaust the FFCHS math curriculum by taking Calculus their senior year!</i></p>					

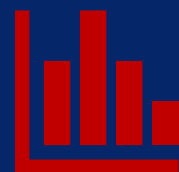
Math Strategies				09MTHS1s1/09MTHS1s2	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective
GRADE:	9-10	GRADING SCALE:	Unweighted	PREREQUISITE:	Concurrent Enrollment in Algebra I & Teacher Recommendation
<p>This course is geared to support students in multiple areas to be successful in Algebra I. Math Strategies works in conjunction with the student's Algebra I course where half the time is devoted Algebra I content and the other half for individualized practice. The course will include, but is not limited to, class time for homework as assigned by Algebra I instructors, problem solving, assignments that build conceptual knowledge, time tests on basic skills, writing to deepen understanding, organizational strategies, notebook checks, vocabulary strategies, and assessment review, completion, retakes, or revisions. Data and teacher recommendation determine placement in this course.</p>					

Geometry				02GEOMs1/02GEOMs2	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Mathematics (NCAA Approved)
GRADE:	10-11	GRADING SCALE:	Unweighted	PREREQUISITE:	Algebra I
<p>This course will focus on the three key aspects of Geometry—measuring, reasoning, and applying geometrical ideas, and solidify Algebra I skills. Students in this course will acquire and demonstrate proficiency in reasoning, perpendicular and parallel lines, congruent triangles and properties of triangles, quadrilaterals, transformations, similarity, right triangles and trigonometry, quadratics, area of polygons and circles, surface area and volume of solids. Students will also demonstrate mastery of fundamental Algebra. Problem solving, analysis, critical and visual thinking, mathematical and spatial reasoning, and real-world application strategies will be emphasized.</p>					

EMPLOYERS ARE LOOKING FOR 4-BASIC TRAITS.

They want employees to be able to:

- Reason, preferably mathematically and scientifically
- Operate technical equipment
- Communicate their thoughts, verbally and in writing
- Work cooperatively as a team member



Pre-AP Geometry				02GEOMHs1/02GEOMHs2	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Mathematics (NCAA Approved)
GRADE:	9-10	GRADING SCALE:	Weighted	PREREQUISITE:	Teacher Recommendation
<p>Students in this course will acquire and demonstrate a mastery of reasoning & proof, perpendicular & parallel lines, congruent triangles & properties of triangles, quadrilaterals, transformations, similarity, right triangles & trigonometry, surface area & volume of solids, and quadratics. Students will also demonstrate mastery of fundamental algebra & fundamental probability, and statistics concepts. Problem solving, analysis, critical & visual thinking, mathematical & spatial reasoning, and real-world application strategies will be emphasized. This is an accelerated course in which concepts will be covered more in-depth than traditional Geometry. Successful completion of this course will prepare students to take pre-collegiate and collegiate-level math classes.</p>					
<p>Recommendation: Passed 8th Grade or PreAP Algebra with an A</p>					

Accelerated Geometry				02GEOMACCL	
CREDIT:	1.0	COURSE LENGTH:	Semester	CREDIT TYPE:	Mathematics (NCAA Approved)
GRADE:	9-10	GRADING SCALE:	Unweighted	PREREQUISITE:	Teacher Recommendation
<p>This course encompasses the fundamental concepts of geometry in a more rigorous manner than Pre-AP Geometry. It is designed to strengthen algebra skills while establishing a strong geometric background for the PSAT, SAT, and further pre-collegiate / collegiate-level mathematics courses. This course will focus on the three key aspects of Geometry—measuring, reasoning, and applying geometrical ideas, and solidify Algebra I skills. Students in this course will acquire and demonstrate proficiency in perpendicular and parallel lines, congruent triangles and properties of triangles, quadrilaterals, transformations, similarity, right triangles and trigonometry, circles, area of polygons and circles, surface area and volume of solids. Problem solving, analysis, critical and visual thinking, mathematical and spatial reasoning, and real-world application strategies will be emphasized. This course is designed to be taken concurrently by sophomores in Pre-AP Algebra 2 or freshmen in Algebra 1.</p>					

Algebra II				02ALG2s1/02ALG2s2	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Mathematics (NCAA Approved)
GRADE:	11-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Algebra I, Geometry*
<p>National, State, and District academic content standards will be addressed by covering equations and inequalities; linear equations; systems of linear equations and inequalities; quadratic functions; polynomial and polynomial functions; powers, roots, and radicals; exponential and logarithmic functions, quadratic relations; and probability and statistics. Problem solving, analysis, critical and visual thinking, mathematical and spatial reasoning, and real-world application strategies will be emphasized.</p>					
<p>*Can be taken concurrently with Geometry with administrative approval.</p>					

Pre-AP Algebra II				02ALG2sH1/02ALG2sH2	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Mathematics (NCAA Approved)
GRADE:	9-10	GRADING SCALE:	Weighted	PREREQUISITE:	Teacher Recommendation or Pre-AP Geometry
<p>This pre-collegiate course requires students to demonstrate mastery of fundamental algebra and geometry concepts. National, State, and District academic content standards will be addressed by covering equations & inequalities; linear equations; systems of linear equations & inequalities; matrices; quadratic functions; polynomials & polynomial functions; powers, roots, & radicals; exponential & logarithmic functions; rational equations & functions; quadratic relations; and probability & statistics. Problem solving, analysis, critical & visual thinking, mathematical & spatial reasoning, and real-world application strategies will be emphasized. This is an accelerated class in which concepts will be covered more in-depth than traditional Algebra II. Successful completion of this course may prepare students to take College Algebra or Pre-Calculus.</p>					
<p>Recommendation: Passed Geometry with \geqB and Teacher Recommendation</p>					

College Algebra				02CALG	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Mathematics (NCAA Approved)
GRADE:	11-12	GRADING SCALE:	Weighted	PREREQUISITE:	Algebra II or Pre-AP Algebra II
<p>This course is for students who passed Algebra II but need to master additional skills necessary for success in Pre-Calculus. Topics will include but not be limited to the following: further study of polynomials, quadratic equations, rational and radical expressions and exponents, logarithmic functions, graphing, trigonometry, conic sections, sequences and series, and applications. College Algebra is a rigorous mathematics course in which a mastery of Algebra I, Geometry, and Algebra II is necessary. National, State, and District academic content standards will be addressed by covering polynomial, rational, exponential and logarithmic functions, and analytic geometry.</p>					
<p><i>Recommendation: Passed Algebra II with \geqB and Teacher Recommendation</i></p>					

Pre-Calculus				02PREC	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Mathematics
GRADE:	10-12	GRADING SCALE:	Weighted	PREREQUISITE:	Pre-AP Algebra II, or College Algebra
<p>Common Core standards will be addressed by covering polynomial, rational, exponential, logarithmic, and trigonometric functions. These functions, including their domains and ranges, will be explored and interpreted both algebraically and graphically. Other topics will include regression, inverse functions, complex numbers, and limits.</p>					
<p><i>Recommendation: Passed Pre-AP Algebra with \geqB and Teacher Recommendation</i></p>					



**COMPUTER PROGRAMMER
FINANCIAL PLANNER
AIR TRAFFIC CONTROLLER
SPORTS ANALYST**

**METEROLOGIST
ANIMATOR
URBAN PLANNER
TECHNICAL WRITER**

AND: data analysts, engineers, CEO/CFOs, bankers, cryptocurrency, teachers, architecture, medical scientists, economists, software developers, & more!

AP Calculus AB				02APCALC	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Mathematics (NCAA Approved)
GRADE:	10-12	GRADING SCALE:	Weighted	PREREQUISITE:	Pre-Calculus
<p>This course addresses all the topics normally covered in an Advanced Placement Level Calculus program. The class begins with a review of mathematical concepts and skills required for Calculus. Specific topics emphasized include derivatives, differentials, and integrals of standard and trigonometric functions, limits graphing techniques, and important Calculus theorems. Also, numerous applications to physics, chemistry, engineering, and business are interwoven throughout the lessons and problems sets. This course consists of the study of the derivative and the integral as applied to polynomial, rational, irrational, trigonometric, logarithmic and exponential functions in one variable. At the completion of this course, students will take the AP exam. A complete topics list and course description can be found by clicking here.</p>					
<p><i>An Exam fee is required for students in AP classes with a discount for students receiving free or reduced lunch. All students enrolled in AP classes are required to take the course AP exam in May. Additional fees may be assessed if the course is dropped after October 1st or a student fails to pass with a 'C' or higher.</i></p>					

AP Calculus BC				02APCALC2	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Mathematics (NCAA Approved)
GRADE:	11-12	GRADING SCALE:	Weighted	PREREQUISITE:	AP Calculus (AB)
<p>AP Calculus BC is a second course in a single-variable calculus that would be equivalent to a second semester calculus course at most colleges and universities. This course will provide a deeper understanding of the concepts of limit, continuity, derivatives, and integrals which were covered in AP Calculus AB. The major new topics covered in AP Calculus BC are parametric, polar, and vector functions; Euler's method; improper integrals; logistic differential equations; and sequences and series. The AB subscore from the BC Exam can replace the AB score earned the previous year.</p>					
<p><i>An Exam fee is required for students in AP classes with a discount for students receiving free or reduced lunch. All students enrolled in AP classes are required to take the course AP exam in May. Additional fees may be assessed if the course is dropped after October 1st or a student fails to pass with a 'C' or higher.</i></p>					

Personal Finance				02PFIN	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Mathematics
GRADE:	12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>This course introduces students to a variety of different financial issues that they may face in their real life. Topics will include the following: understand the importance of personal financial goal setting and responsibility, and apply those concepts in a consumer-driven, global marketplace; create and manage a financial plan for short-term and long-term financial security to make informed spending and saving decisions that are compatible with changing personal goals; and analyze and apply appropriate and cost effect risk management strategies as it pertains to insurance and warranties. Students will learn practical topics such as monthly payments, car buying, loans, mortgages, investing, tax filing, credit cards, and budgeting.</p>					

Introduction to Statistics				02ISTAT	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Mathematics (NCAA Approved)
GRADE:	11-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Algebra I
<p>Introductory Statistics is a course covering statistics topics at an understandable level. This introductory course assumes no prior knowledge of statistics but does assume some knowledge of high school algebra. Basic statistical concepts and methods are presented in a manner that emphasizes understanding the principles of data collection and analysis rather than theory. Topics covered will include, but not limited to, the following: organizing data, averages and variation, elementary probability, binomial probability distribution, normal distributions, and sampling distributions.</p>					

AP Statistics				02APSTAT	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Mathematics (NCAA Approved)
GRADE:	11-12	GRADING SCALE:	Weighted	PREREQUISITE:	Algebra II, Pre-Calculus, College Algebra, or AP Calculus I (AB)
<p>This course will cover aspects of probability and introductory statistics that will be tested in an AP format. It is a rigorous course and will be advantageous to those students who will have to take a statistics course in college to complete their degree. For example, most business and science majors need to take a statistics course. For a complete description of AP Statistics, please click here. Students will also take the AP exam in May.</p> <p><i>An Exam fee is required for students in AP classes with a discount for students receiving free or reduced lunch. All students enrolled in AP classes are required to take the course AP exam in May. Additional fees may be assessed if the course is dropped after October 1st or a student fails to pass with a 'C' or higher.</i></p>					

Biology				03BIOs1/03BIOs2
CREDIT: 1.0	COURSE LENGTH: Year	CREDIT TYPE: Science (NCAA Approved)		
GRADE: 9-12	GRADING SCALE: Unweighted	PREREQUISITE: None		
Is a lab-based science course and will serve as an overview of the entire field of biology with a study of basic life properties, the structure and function of the cell, DNA, genetics, evolution, and ecology.				

Pre-AP Biology				03BIOHs1/03BIOHs2
CREDIT: 1.0	COURSE LENGTH: Year	CREDIT TYPE: Science (NCAA Approved)		
GRADE: 9-12	GRADING SCALE: Weighted	PREREQUISITE: Teacher Recommendation		
This is a lab-based science course and will serve as an overview of the entire field of biology with an in-depth study of basic life properties, the structure and function of the cell, and genetics. This is an accelerated college prep course that will cover material more in-depth, involving more research and labs than the traditional biology course, and must meet all the honors criteria requirements. Mastery of vocabulary is required. Homework load approx. 30 minutes per night.				

AP Biology/CSU-Pueblo Biology				03APBIO
CREDIT: 1.0	COURSE LENGTH: Year	CREDIT TYPE: Science (NCAA Approved)		
GRADE: 11-12	GRADING SCALE: Weighted	PREREQUISITE: Teacher Recommendation		
The AP Biology is a lab-based science course designed to be the equivalent of a two-semester college introductory biology course usually taken by biology majors during their first year. After successful completion of the AP exam (a score of 3, 4, or 5), some students, in their first year of college, are permitted to take upper-level courses in biology or register for courses for which biology is a prerequisite. Other students may have fulfilled a basic requirement for a laboratory-science course and will be able to undertake other courses to pursue their majors. AP Biology includes those topics regularly covered in a college biology course for majors. The college course in biology differs significantly from the usual first high school course in biology with respect to the kind of textbook used, the range and depth of topics covered, the type of laboratory work done by students, and the significant time and effort required of students. The AP Biology course is designed to be taken by students after the successful completion of a first course in high school biology and one in high school chemistry as well. Students are eligible to receive 4 college credits through Colorado State University Pueblo upon satisfactory completion of the course. Major Units of Study include: Biochemistry, Cell Structure and Function, Cellular Energy, Cell Communication, Heredity, Gene Expression, Natural Selection, and Ecology.				
Recommendation: Passed Biology and Chemistry with \geqC				
An Exam fee is required for students in AP classes with a discount for students receiving free or reduced lunch. All students enrolled in AP classes are required to take the course AP exam in May. Additional fees may be assessed if the course is dropped after October 1st or a student fails to pass with a 'C' or higher.				

Chemistry I				03CHEMs1/03CHEMs2
CREDIT: 1.0	COURSE LENGTH: Year	CREDIT TYPE: Science (NCAA Approved)		
GRADE: 10-12	GRADING SCALE: Unweighted	PREREQUISITE: None		
This is a lab-based science course and involves the study of the nature of chemicals, measurements, chemical reactions, chemical equations, acids & bases, and related lab activities. The course will involve algebra and abstract thinking.				
Recommendation: Passed Algebra I with \geqC				

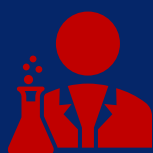
Pre-AP Chemistry				03CHEMHs1/03HCMEHs2
CREDIT: 1.0	COURSE LENGTH: Year	CREDIT TYPE: Science (NCAA Approved)		
GRADE: 10-12	GRADING SCALE: Weighted	PREREQUISITE: Pre-AP Biology or Teacher Recommendation		
Pre-AP Chemistry is a lab-based science course and will be taught to those students who have taken Pre-AP Biology. Students will be taught same objectives as Chemistry I with more activities as well as more "in-depth" coverage of chemistry concepts.				
Recommendation: Passed Algebra I with \geqC				

AP Chemistry I (CU-Denver General Chem I/II +labs)				03APCHEM	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Science, 9 College Credits (NCAA Approved)
GRADE:	10-12	GRADING SCALE:	Weighted	PREREQUISITE:	Chemistry
<p>AP Chemistry is a problem-solving and lab-oriented course that meets the objectives of a college level general chemistry course. This course expands and amplifies concepts learned in high school chemistry and covers additional advanced topics and topics relevant to our technological society. Topics covered include structure of matter, states of matter, reactions, descriptive chemistry, and laboratory exploration. All students are expected to take the AP exam to earn college credit. There is a fee for the exam and all AP students are expected to take this exam in May. This is a standardized college test taken to earn college credit and/or sophomore standing in chemistry in many colleges. A total of 9 (General Chem I +lab=4, General Chem II + lab=5) college credits through Colorado University may be awarded after successful completion of the course.</p>					
<p>Recommendation: Passed Algebra II with $\geq C$ and $\geq B$ in Chemistry</p> <p>An Exam fee is required for students in AP classes with a discount for students receiving free or reduced lunch. All students enrolled in AP classes are required to take the course AP exam in May. Additional fees may be assessed if the course is dropped after October 1st or a student fails to pass with a 'C' or higher.</p>					

Physics				03PHYS	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Science (NCAA Approved)
GRADE:	11-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>This is a lab-based science course that involves the study of energy and its effects on matter. Areas of interest are motion, forces, vectors, momentum, and more. Topics include the following: scientific method, mechanics, heat, waves, electricity, magnetism, and application of physical principles. This course requires background in algebra and trigonometry.</p>					
<p>Recommendation: Passed Algebra II with $\geq C$</p>					

AP Physics C: Mechanics				03APPCM	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Science
GRADE:	11-12	GRADING SCALE:	Weighted	PREREQUISITE:	Physics
<p>Explore concepts such as kinematics; Newton's laws of motion, work, energy, and power; systems of particles and linear momentum; rotation; oscillations; and gravitation. Students will utilize hands-on laboratory work and in-class activities to investigate phenomena and use calculus to solve problems.</p>					
<p>Recommendation: Passed Pre-Calculus with $\geq C$</p> <p>An Exam fee is required for students in AP classes with a discount for students receiving free or reduced lunch. All students enrolled in AP classes are required to take the course AP exam in May. Additional fees may be assessed if the course is dropped after October 1st or a student fails to pass with a 'C' or higher.</p>					

Ecology/Zoology				03ZOO	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Science (NCAA Approved)
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>Ecology/Zoology I is a lab-based course and incorporates ideas from disciplines within biology, chemistry and even physics. Ecology (from Greek: οίκος, oikos, "household"; and λόγος, logos, "knowledge") is the primary focus of this semester and is the scientific study of the distribution and abundance of living organisms and the interactions among those organisms and between organisms and their environment. The environment, within which organisms live, will be studied on a variety of scales and by examining physical (abiotic) as well as living (biotic) factors. Species adaptation and evolution will be emphasized. Students will be required to keep an organized notebook and be willing to work outside on an intermittent basis.</p>					



People who are well educated in science often-times can go into high-paying jobs and can have a choice of where they want to work nationally and even internationally!

Ecology/Zoology II				03ZOO2	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Science (NCAA Approved)
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>Ecology/Zoology II is a lab-based science course and will cover the major phyla of Kingdom Animalia. In this semester, we will study each major animal phylum, including its classification, ecology, environmental issues, behaviors, evolutionary relationships, anatomy, and physiology. This portion of the course places a strong emphasis on comparative anatomy and dissection of preserved organisms. Students will be required to keep an organized notebook, to be able to use sharp tools and technological advanced lab equipment responsibly and safely and to perform animal dissections.</p>					

Environmental Science				03ENV	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Science (NCAA Approved)
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>Environmental Science is a lab-based science course. Students will identify and evaluate global, economic, political and historical forces and how human interactions have shaped ecosystems, the environment and society. Specific topics to be covered are air resources and pollution, water resources and pollution, human populations, land use and management. Students will apply the scientific method to identify and evaluate global, economic, political and historical forces and how human interactions have shaped ecosystems, the environment and society. The course will cover a wide range of science topics: geology, biology, environmental science, chemistry, and geography. Through completion of this course, students should have an understanding of the interrelatedness of Earth's ecosystems, human impact on the environment, environmental problems and prevention of future environmental problems.</p>					
<p><i>Recommendation: Passed Biology or Honors Biology with \geqC</i></p>					

AP Environmental Science				03ENVAP	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Science (NCAA Approved)
GRADE:	9-12	GRADING SCALE:	Weighted	PREREQUISITE:	Teacher Recommendation
<p>AP Environmental Science is a lab-based science course and outlined in this framework reflects learning that analyzes environmental concepts and processes to achieve understanding to propose and justify solutions to environmental problems, to include labs. The course teaches students how to apply science to the solutions of important social problems. It also provides opportunities to practice applying scientific methods to practical, real-life problems. The AP Environmental Science course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course helps students identify and analyze natural and human-induced environmental problems. It enables them to learn how to assess the risks associated with these problems and evaluate alternative solutions for resolving and preventing them. To accomplish this goal, the AP Environmental Science Course and exam description defines concepts, skills, and understandings required by representative colleges and universities for granting college credit and placement.</p>					
<p><i>Recommendation: Passed Algebra I, Biology or enrollment in Pre-AP Biology; Chemistry is preferred</i></p> <p><i>An Exam fee is required for students in AP classes with a discount for students receiving free or reduced lunch. All students enrolled in AP classes are required to take the course AP exam in May. Additional fees may be assessed if the course is dropped after October 1st or a student fails to pass with a 'C' or higher.</i></p>					

ENVIRONMENTAL ENGINEER FORESTER BIOPHYSICIST
GEOSCIENTIST PROTECTION TECHNICIAN HYDROLOGIST
BIOCHEMIST MATERIALS SCIENTIST
CAREERS IN ENVIRONMENTAL SCIENCE
CONSERVATION SCIENTIST
MICROBIOLOGIST OCCUPATIONAL HEALTH & SAFETY SCIENTIST
CHEMIST ZOOLOGIST WILDLIFE BIOLOGIST

Agricultural Science and Technology I				03AGSCI1	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Practical Art or Science
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>Do you wish to raise your own food? Do you want to go vegan, paleo or learn about careers in agriculture? How about growing a "green" thumb? Agricultural Science could be for you. The course focuses on plant production, agricultural career exploration and experimental design. Students will raise vegetables, herbs, row crops and flowers in the school greenhouse while learning about plant structure/function and develop a controlled experiment. Students will explore agricultural career pathways and plant related skill development through a supervised agriculture experiences (SAE). As a part of the SAE, student will raise their own plants, collect data and perform a controlled experiment. Units include the history of the agriculture, experimental design, agricultural careers, crop/food production, plant identification, plant structure and function.</p>					
Recommendation: Biology or Pre-AP Biology					

Agricultural Science and Technology II				03PSH1	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Science
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Agricultural Science I
<p>Agriculture Science 2 is a continuation of Ag Science I and is a course designed for instruction in agricultural animal science, animal care, breeds and breeding, animal and plant production, career exploration, and financial skill development. Students will also use and develop their horticultural and budgeting skills by raising seedlings in the greenhouse for profit. As a part of their SAE this semester, students will raise plants for sale as an entrepreneurship. Students may also choose to develop a project to gain agricultural animals or other agricultural related experience outside of the greenhouse as job placement or improvement plan. Units of study include the history of agriculture, conventional and organic production, animal breeds and breeding, animal nutrition and animal/plant production.</p>					

Plant Science/ Horticulture I				03PSH1	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Science
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Agricultural Science I & II
<p>Horticultural science is a course is the science and art of producing beautiful and edible fruits, vegetables, flowers and herbs and is for students wanting to continue with plant studies and are considering a career in a related field. Students will learn and document horticultural skills and competencies in the school greenhouse. This course focuses on the basic scientific principles and processes that are involved in plant physiology, nutrient needs, plant propagation, nutrition, and horticultural and natural resources related careers. The production of greenhouse crops will be used to demonstrate procedures such as plants started from cuttings, seeds and grafts. Students will grow and manage their own crops at the school greenhouse. Students will be encouraged to do their SAE as internship or placement gaining experience at an agricultural related work setting.</p>					

Plant Science/ Horticulture II				03PSH2	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Science
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Plant Science/ Horticulture I
<p>Horticultural science is a course is the science and art of producing beautiful and edible fruits, vegetables, flowers and herbs and is for students wanting to continue with plant studies and are considering a career in a related field. Students will learn and document horticultural skills and competencies in the school greenhouse. This course focuses on the basic scientific principles and processes that are involved in plant physiology, nutrient needs, plant propagation, nutrition, and horticultural and natural resources related careers. The production of greenhouse crops will be used to demonstrate procedures such as plants started from cuttings, seeds and grafts. Students will grow and manage their own crops at the school greenhouse. Students will be encouraged to do their SAE as internship or placement gaining experience at an agricultural related work setting.</p>					



DO YOU NEED A COLLEGE DEGREE TO HAVE A JOB IN HORTICULTURE?

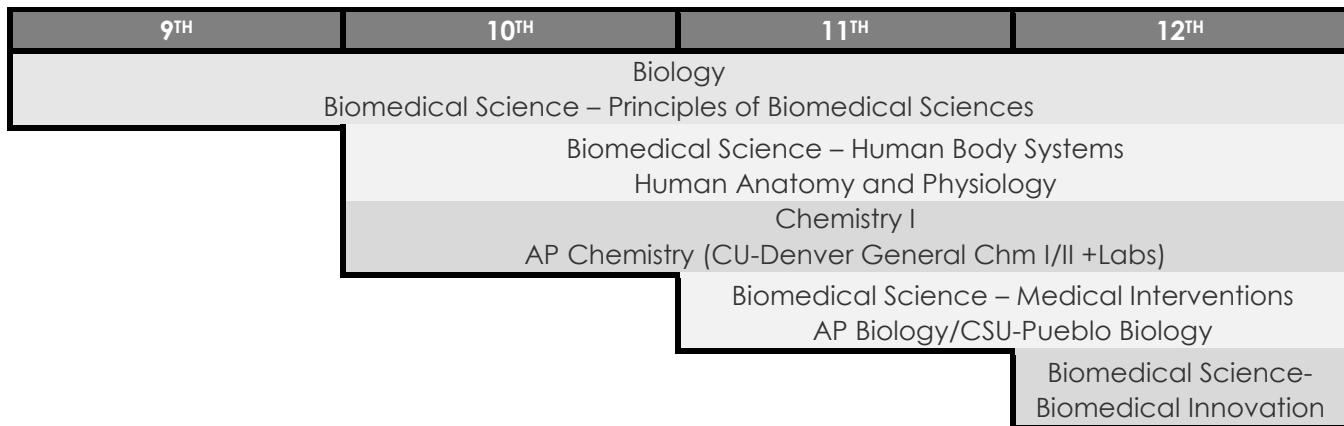
It depends. Work in the horticulture field ranges from landscapers, who require no formal education, to scientists, who need a minimum of a Ph.D. Many positions in the nursery and landscape industry require a 2- or 4-year college degree.



Health Science Career Pathway

PATHWAYS TO POSTSECONDARY WORKFORCE READINESS

CAREER PATHWAY SEQUENCE



Course Sequence

- Biology [1] 1 – Year
- Principles of Biomedical Science [1] 1 – Year (Taken concurrently with Biology)
- Human Body Systems [1] 1 – Year
- Medical Interventions 1 – Year
- Human Anatomy and Physiology [1] 1 – Year
- AP Chemistry [1] 1 – Year
- AP Biology [1] 1 – Year
- Biomedical Innovation [1] 1 - Year

Supporting Coursework

9 - 10

- Algebra I [1] 1 – Year

10 - 12

- Human Anatomy and Physiology [1] 1 – Year
- Chemistry I [1] 1 – Year
- AP Chemistry [1] 1 – Year

11 - 12

- Algebra II [1] 1 – Year
- AP Biology [1] 1 – Year

Career and Technical Student Organization:



Related Careers

- Biomedical Engineers
- Medical Equipment Repairers
- Biomedical Technicians
- Ophthalmic Medical Technologists
- Biological Scientists
- Emergency Medical Technician
- Paramedic
- Medical Records Technician
- Health Educator
- Registered Nurse
- Occupational Health and Safety Specialist

Post-secondary Education Options

Certifications	Anesthesia Technician Certified Nursing Assistant EKG Technician EMT/Paramedic
AA	Occupational Therapy Assistant Physical Therapy Assistant Phlebotomist Medical Assistant Respiratory Technologist
BA	Registered Nurse Occupational Health and Safety Specialist Dietician Medical Technologist



Human Anatomy and Physiology				03ANAT	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Science (NCAA Approved)
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>This lab-based science course will involve the study of structure and function of the human body systems: skeletal, muscular, digestion, circulation, integumentary, excretion, endocrine, nervous, reproductive, and respiration. Participation in various organ dissections is a requirement.</p>					
<p>Recommendation: Passed Biology with \geqC</p>					

Biomedical Science- Principles of Biomedical Sciences				03PBS	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective, Science (NCAA Approved)
GRADE:	9-10	GRADING SCALE:	Unweighted	PREREQUISITE:	Taken concurrently with Biology, Teacher Recommendation
<p>In this lab-based science course students will investigate various health conditions including heart disease, diabetes, sickle-cell disease, Hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, and research processes. This course provides an overview of all the courses in the Biomedical Sciences program and lay the scientific foundation for subsequent courses. This is the first course taken in the Biomedical Pathway.</p>					

Biomedical Science- Human Body Systems				03HBS	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective, Science (NCAA Approved)
GRADE:	10-12	GRADING SCALE:	Weighted	PREREQUISITE:	Principles of Biomedical Sciences (PBS)
<p>In this lab-based science course students will examine the interaction of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body. Students use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real-world cases and often play the role of biomedical professionals to solve medical mysteries. This is the second course in the Biomedical Pathway.</p>					

Biomedical Science- Medical Intervention (MI)				03MEDI	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective, Science (NCAA Approved)
GRADE:	11-12	GRADING SCALE:	Weighted	PREREQUISITE:	PBS, Human Body Systems (HBS)
<p>In this lab-based science course students will investigate a variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the life of a fictitious family. The course is a "How-To" manual for maintaining overall health and homeostasis in the body. Students explore how to prevent and fight infection; screen and evaluate the code in human DNA; prevent, diagnose and treat cancer; and prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. This is the third course taken in the Biomedical Pathway.</p>					

Biomedical Science- Biomedical Innovation				03BI	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective, Science (NCAA Approved)
GRADE:	12	GRADING SCALE:	Weighted	PREREQUISITE:	Biology, Chemistry, Anatomy & Physiology, PBS, HBS, MI
<p>In this lab-based science course students aim to develop a pathway into health careers for the 21st century. They work through progressively challenging open-ended problems addressing topics such as emergency treatment, project management, manner of death, and public health. They achieve certification in CPR/AED/First Aid, and practice job-skills such as basic suturing, statistical analysis, and public speaking. The course is designed for 12th grade students only and is taken as the fourth course in the Biomedical Pathway.</p>					

Geophysics and Astronomy				03GAA	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Science (NCAA Approved)
GRADE:	10-11	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>This lab-based science course is a one-year course that explores the foundations of Earth Science in the following related topics/fields: Earth's place in the universe, dynamic Earth processes, Energy in the Earth system, biochemical cycles, structure and composition of the atmosphere, and Colorado geology. The course covers scientific terminology, historical and cultural advances in science, vocabulary building, test taking strategies, and several simulated labs, hands-on labs, essays, and science projects using the scientific method.</p>					

Geology and Geography of the National Parks				00GEOGEO	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective OR .5 Science &/or .5 Social Studies Credit (Counselor determination)
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>Subterranean volcanoes! Cataclysmic uplifts! Spires! Hoodoos! Mountains! Protection! Tourism! Adventure! Legislation! History! World Changing Practices! Oh my! This course will study open spaces, local state, and national park systems (specifically parks in the Intermountain West) from a geologic and geographic perspective. The parks will be studied for their unique geologic stories and will also be viewed from the human perspective of interaction and preservation of these places, including current legislation concerning access to these areas for development, mining, drilling, etc.</p>					
<p><i>Potential fee for day field trips and an end of year week long field study to surrounding national parks. Students will have fundraising opportunities throughout the year to offset field trip costs.</i></p>					

Athletic Training				03ATHL	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Science Elective
GRADE:	11-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Human Anatomy & Physiology
<p>This lab-based science course will introduce students to athletic training techniques including injury recognition, injury rehabilitation, taping and wrapping, and the use of therapeutic modalities. Students will be required to devote ten (10) hours for observation in the training room during the applicable sports seasons. Students must possess adequate knowledge in anatomy/physiology prior to acceptance into the course.</p>					
<p><i>Recommendation: Passed Human Anatomy & Physiology with ≥C</i></p>					

Global Studies

04GSs1/04GSs2

CREDIT: 1.0 COURSE LENGTH: Year CREDIT TYPE: Social Studies (NCAA Approved)
 GRADE: 9 GRADING SCALE: Unweighted PREREQUISITE: None

This course focuses on the spatial aspects of population growth and distribution, urban growth and decline, cultural differentiation, the spread of ideas and innovations, regional development, and the location of economic activity, as well as problems associated with these processes. This introductory course will familiarize students to several subfields of study, including population, urban, economic, cultural, and political geography, as well as fundamental geographic concepts. Human Geography is a broad, dynamic domain that reflects the developments and conditions in the contemporary world. It is a field of inquiry and an academic discipline with its own traditions, objectives, and approaches to the changing world. It involves an examination of the setting in which people live their lives as part of a continual process of struggle and transformation. The central concern of the course is the analysis of the relationship between society, place, and space. It focuses on social, economic, political, cultural, and human-environment processes and patterns and how they change over space and time. The course aims to engender a critical geographical perspective on the past, present, and future development of the social world. This critical viewpoint is of crucial importance in the generation of a broad and informed understanding of the world.

AP Human Geography

04APHU

CREDIT: 1.0 COURSE LENGTH: Year CREDIT TYPE: Social Studies (NCAA Approved)
 GRADE: 9 GRADING SCALE: **Weighted** PREREQUISITE: Teacher Recommendation

AP Human Geography presents high school students with the curriculum equivalent of an introductory college-level course in human geography or cultural geography. Content is presented thematically rather than regionally and is organized around the discipline's main subfields: economic geography, cultural geography, political geography, and urban geography. The approach is spatial and problem oriented. Case studies are drawn from all world regions, with an emphasis on understanding the world in which we live today. Historical information serves to enrich analysis of the impacts of phenomena such as globalization, colonialism, and human-environment relationships on places, regions, cultural landscapes, and patterns of interaction. Specific topics with which students engage include the following:

- Problems of economic development and cultural change
- Consequences of population growth, changing fertility rates, and international migration
- Impacts of technology innovation on transportation, communication, industrialization, and other aspects of human life. . . struggles over political power and control of territory
- Conflicts over the demands of ethnic minorities, the role of women in society, and the inequalities between developed and developing countries
- Explanations of why location matters to agricultural land use, industrial development, and urban problems

The role of climate change and environmental abuses in shaping the human landscapes on Earth

An Exam fee is required for students in AP classes with a discount for students receiving free or reduced lunch. All students enrolled in AP classes are required to take the course AP exam in May. Additional fees may be assessed if the course is dropped after October 1st or a student fails to pass with a 'C' or higher.

Modern World History

04WORLD2s1/04WORLD2s2

CREDIT: 1.0 COURSE LENGTH: Year CREDIT TYPE: Social Studies
 GRADE: 10 GRADING SCALE: Unweighted PREREQUISITE: None

The Early Modern World (1400-present)

This course will be an examination of selected social, political, ideological, and scientific upheavals from the 15th century to the early 21st century. First semester topics will include the following: The Renaissance and Reformation; Age of Exploration; Absolutism in Europe; Revolution and Enlightenment, French Revolution, Industrialization and Nationalism; Mass Society and Democracy. The second semester will continue with the movement towards global civilization with topics including Imperialism, World War and Revolution; Between the Wars; Nationalism and World imperialism; and World War II, the Cold War, the Contemporary Western World, and various world cultures from 1945 to present. Emphasis will be placed on the current events that relate to these historical world events.

AP World History				04APWORLD	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Social Studies (NCAA Approved)
GRADE:	10	GRADING SCALE:	Weighted	PREREQUISITE:	Teacher Recommendation
<p>In AP World History, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. AP World History is designed to be the equivalent of an introductory college or university survey of world history. It is taught and assessed like a freshmen level college course.</p> <p><i>An Exam fee is required for students in AP classes with a discount for students receiving free or reduced lunch. All students enrolled in AP classes are required to take the course AP exam in May. Additional fees may be assessed if the course is dropped after October 1st or a student fails to pass with a 'C' or higher.</i></p>					

Geology and Geography of the National Parks				00GEOGEO	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective OR .5 Science &/or .5 Social Studies Credit (Counselor determination)
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>Subterranean volcanoes! Cataclysmic uplifts! Spires! Hoodoos! Mountains! Protection! Tourism! Adventure! Legislation! History! World Changing Practices! Oh my! This course will study open spaces, local state, and national park systems (specifically parks in the Intermountain West) from a geologic and geographic perspective. The parks will be studied for their unique geologic stories and will also be viewed from the human perspective of interaction and preservation of these places, including current legislation concerning access to these areas for development, mining, drilling, etc.</p> <p><i>Potential fee for day field trips and an end of year week long field study to surrounding national parks. Students will have fundraising opportunities throughout the year to offset field trip costs.</i></p>					

More Than A Game: The Impact of Sports on American Culture				04MTG	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Social Studies (NCAA Approved)
GRADE:	11-12	GRADING SCALE:	Unweighted	PREREQUISITE:	World History and US History
<p>Can sports change the world? Why are sports so important to so many people? In this course we are going to get to the bottom of these questions and many more. This course will be a semester long upperclassmen elective. Students in this course will practice multiple skills with an emphasis on sports and its impact on race, gender, politics, etc. Examples of lessons include looking at the sports psychology and researching what impact it has on specific outcomes, or taking closer looks at how politics and sports can mix using analysis and debates. Leaving this course students will have a greater understanding of how sports impact more than just what is on the field. Students must have passed Global Studies, World History, and US History to get the full benefit, or have been recommended by their teacher. The course will be portfolio based and have an emphasis on independent research and product creation.</p>					

United States History				04US2s1/04US2s2	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Social Studies (NCAA Approved)
GRADE:	11-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>This course will explore the history of the United States from the European settlement through the modern time. The course will explore the history of the United States from the post-Civil War Era to present day. The course will survey various topics including Reconstruction, Westward Expansion, and American Imperialism. Continuing into the 20th century, students examine America's involvement in World War I, the Roaring 20s, the Great Depression, World War II, the Cold War, and the Civil Rights Movement. Additionally, students will evaluate America's role as a world power throughout the 20th and 21st centuries.</p>					

Honors US History				04HUS	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Social Studies
GRADE:	11-12	GRADING SCALE:	Weighted	PREREQUISITE:	World History or AP World History
<p>The Honors U.S. History course focuses on developing students' understanding of American History from approximately 1491 to the present. The course has students investigate the content of U.S. History for significant events, individuals, developments, and processes in nine historical periods, and develop and use the same thinking and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides seven themes (American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world, geography and the environment; and culture and society) that students explore throughout the course to make connections among historical developments in different times and places. The Honors US History course requires a higher level of commitment than a regular course. Upon successful completion, students will earn weighted credit.</p> <p><i>An Exam fee is required for students in AP classes with a discount for students receiving free or reduced lunch. All students enrolled in AP classes are required to take the course AP exam in May. Additional fees may be assessed if the course is dropped after October 1st or a student fails to pass with a 'C' or higher.</i></p> <p><i>**If CSU-Pueblo credit is offered, students will receive 3 college credits through CSU-Pueblo for successful completion of the class with a "C" or better. Students who earn lower than a "C" will be required to pay for the class based on CSU-P Concurrent Enrollment tuition costs.</i></p> <p><i>***CSU-Pueblo Courses are as follows: US History 201 (0.5 semester credit) & US History 202 (0.5 semester credit)</i></p>					

Sociology				04SOC	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Social Studies (NCAA Approved)
GRADE:	11-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>Sociology is a course dedicated to the exploration and analysis of sociology as a social science. Students will develop an understanding of sociology and why it is an important science in today's society and culture. Students will come away with an understanding of culture, socialization, social structure, groups and the role of deviance in society.</p>					

Psychology				04PSYCH	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Social Studies (NCAA Approved)
GRADE:	11-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>This course will introduce the study of psychology. Students will seek to unravel the mysteries surrounding human behavior. Students will learn about some of the prominent theorists in psychology and apply their theories to a wide range of human behaviors and experiences. Students will explore the historical underpinnings of the discipline and examine the topics of consciousness, motivation and emotion, learning, memory, psychological disorders, and the social factors influencing behavior.</p>					

AP Psychology				04APPSYCH	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Social Studies (NCAA Approved)
GRADE:	11-12	GRADING SCALE:	Weighted	PREREQUISITE:	Teacher Recommendation
<p>This course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologist and studies that have shaped the field, students explore and apply psychological theories and key concepts associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use their scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas.</p> <p><i>An Exam fee is required for students in AP classes with a discount for students receiving free or reduced lunch. All students enrolled in AP classes are required to take the course AP exam in May. Additional fees may be assessed if the course is dropped after October 1st or a student fails to pass with a 'C' or higher.</i></p>					

American Government				04AGOV	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Social Studies (NCAA Approved)
GRADE:	12	GRADING SCALE:	Unweighted	PREREQUISITE:	United States History, taken with Economics
<p>This course is a study of federal, state, and political culture of our government, with an emphasis on the individual's responsibilities and participation. The student will develop an understanding of global issues and trends including current political, social, and economic events. Important survival skills necessary to function in society today will be presented, along with senior necessities for graduation. This course meets the State of Colorado civics core requirements.</p>					

AP American Government				04APGOV	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Social Studies
GRADE:	12	GRADING SCALE:	Weighted	PREREQUISITE:	CSU-Pueblo United States History 201/202
<p>AP Government and Politics provides year long, college level, non-partisan introduction to the ideals, foundations, development, processes, and culture of American government. In this course, students will cover topics as far ranging as the development of the Constitution, the interpretation of the Constitution by both the people and the courts, and how the Constitution affects our daily lives. This course will entail studying founding documents, arguments in favor of and against ratification of the Constitution, Supreme Court opinions, and other texts. We will also study how the people interact with their government and how different levels of government and bureaucratic institutions interact with each other and with the people. This course will also provide students with the political knowledge and reasoning processes to participate meaningfully and thoughtfully in discussions and debates that are currently shaping American politics and society. It is important to note that this course is not a history course; it is a political science course that studies the interconnectedness of the different parts of the American political system and the behaviors and attitudes that shape this system and are the byproduct of this system.</p> <p><i>An Exam fee is required for students in AP classes with a discount for students receiving free or reduced lunch. All students enrolled in AP classes are required to take the course AP exam in May. Additional fees may be assessed if the course is dropped after October 1st or a student fails to pass with a 'C' or higher.</i></p>					

Modern History of Warfare				04WAR	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Social Studies (NCAA Approved)
GRADE:	12	GRADING SCALE:	Unweighted	PREREQUISITE:	World History and US History
<p>This course is a survey of the history of modern warfare and the interactions between society and military institutions, evolving technologies, and strategies from World War One to the present. The course will also emphasize shifting dynamics of great power warfare to asymmetrical tradecraft through the 20th and 21st centuries. Conversely, political and societal influences on warfare will also be investigated through historical contexts.</p>					

Economics				04ECON	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Social Studies (NCAA Approved)
GRADE:	12	GRADING SCALE:	Unweighted	PREREQUISITE:	United States History, taken with American Government
<p>This course covers macro and micro economic essentials. The course is designed to encourage students to think critically about the way individuals, businesses, and governments spend money. Additionally, students will think critically about the way that markets interact and influence one another, the evolution of the economic systems including capitalism, communism, and mixed market economies, the fundamental issues of scarcity, income earning capacity, and decision making, This is a rigorous academic elective that requires frequent argumentative writing and critical reading. This class is taken with American Government.</p>					

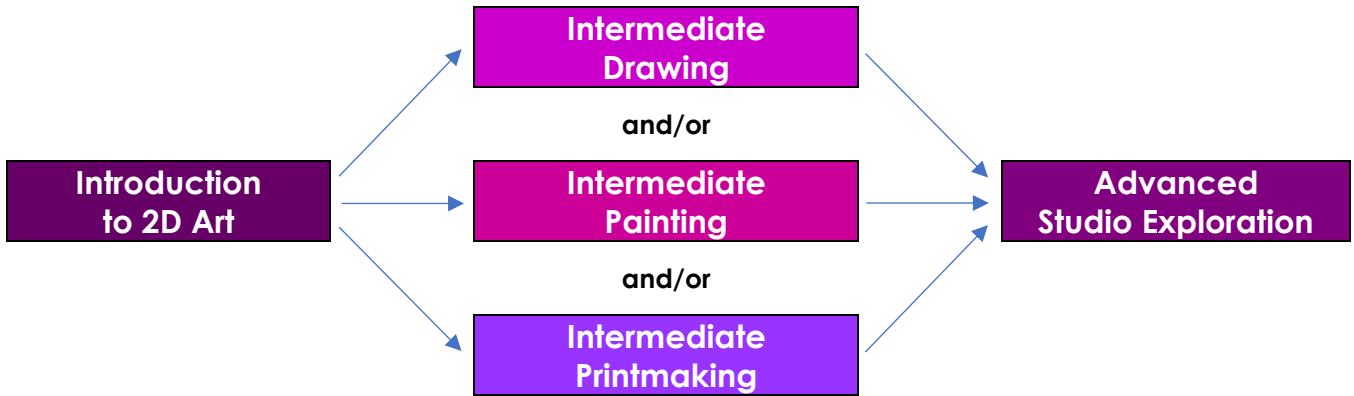
HISTORY

- ⌚ Helps us develop a better understanding of the world.
- ⌚ Helps us understand ourselves.
- ⌚ Helps us learn to understand other people.
- ⌚ Teaches a working understanding of change.
- ⌚ Gives us the tools we need to be decent citizens.
- ⌚ Makes us better decision makers.



VISUAL ARTS

2D Course Sequence Options:



Introduction to 2D Art				06ART2D
CREDIT: 0.5	COURSE LENGTH: Semester	CREDIT TYPE: Fine Art		
GRADE: 9-12	GRADING SCALE: Unweighted	PREREQUISITE: None		
<p>In this course, students will explore a variety of 2-dimensional media including drawing, painting and printmaking. This course is designed for students who are new to the art making experience, or who enjoy art but do not have a preferred medium yet. Students may 'test out' of Intro to 2D art by submitting a portfolio and artist statement prior to the start of the school year (portfolio must be submitted digitally and needs to include: 5 samples that demonstrate an understanding of painting, drawing and printmaking, and a typed artist statement describing students previous experience)</p>				

Intermediate Drawing				06DRAW
CREDIT: 0.5	COURSE LENGTH: Semester	CREDIT TYPE: Fine Art		
GRADE: 9-12	GRADING SCALE: Unweighted	PREREQUISITE: Approved Portfolio		
<p>In this course, students will expand their 2D dimensional skills while focusing on drawing. This course is designed for students who are interested in exploring different types of drawing. This course is designed for students who are interested in improving their drawing abilities, while learning about different drawing mediums.</p>				
<i>Recommendation: Passed Intro to 2D Art with ≥B</i>				

Intermediate Painting				06PAINT
CREDIT: 0.5	COURSE LENGTH: Semester	CREDIT TYPE: Fine Art		
GRADE: 9-12	GRADING SCALE: Unweighted	PREREQUISITE: Approved Portfolio		
<p>In this course, students will expand their 2D dimensional skills while focusing on painting. This course is designed for students who are interested in improving their painting abilities, while learning about different drawing painting mediums.</p> <p>Students may 'test out' of Intro to 2D art by submitting a portfolio and artist statement prior to the start of the school year (portfolio must be submitted digitally and needs to include: 5 samples that demonstrate an understanding of painting, drawing and printmaking, and a typed artist statement describing students previous experience).</p>				
<i>Recommendation: Passed Intro to 2D Art with ≥B</i>				

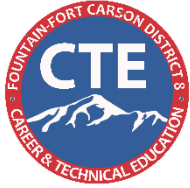
Intermediate Printmaking				06PRINT
CREDIT: 0.5	COURSE LENGTH: Semester	CREDIT TYPE: Fine Art		
GRADE: 9-12	GRADING SCALE: Unweighted	PREREQUISITE: Approved Portfolio		
<p>In this course, students will expand their 2D dimensional skills while focusing on printmaking. This course is designed for students who are interested in exploring different types of printmaking. Students may 'test out' of Intro to 2D art by submitting a portfolio and artist statement prior to the start of the school year. Portfolio must be submitted digitally and include: 5 samples that demonstrate an understanding of painting, drawing and printmaking, and a typed artist statement describing students previous experience.</p>				
Recommendation: Passed Intro to 2D Art with >B				

Advanced Studio Exploration				06ASE
CREDIT: 0.5	COURSE LENGTH: Semester	CREDIT TYPE: Fine Art		
GRADE: 10-12	GRADING SCALE: Unweighted	PREREQUISITE: Teacher Recommendation		
<p>This course is for students who are serious about exploring 2D art making processes in an independent setting. Students will choose the 2D mediums they work with, and develop concepts for their own artwork. Students will propose ideas for 5 independent projects throughout the semester, and work with the instructor to develop their final idea. Students may create through projects using mixed media, painting, drawing, or printmaking.</p>				
Recommendation: Passed a Level II 2D Art Class with >B				

Photography I				06PHOTO1
CREDIT: 0.5	COURSE LENGTH: Semester	CREDIT TYPE: Fine Art		
GRADE: 9-12	GRADING SCALE: Unweighted	PREREQUISITE: None		
<p>This course teaches students to use photography to visually communicate with an audience and learn how to problem solve, both creatively as well as technically. Students will focus on the creative process compositional arrangement, personal aesthetics, and art criticism, so that they may move from only taking snapshots to making photographs! They will use digital cameras to capture their imagery and Adobe Photoshop to refine their compositions. As students learn to construct a visually interesting photograph infused with their personal voice, they are encouraged to continue their journey in Photography II in the same year to grow their skill and practice with the camera.</p>				
**STUDENTS ARE ENCOURAGED TO OWN A DIGITAL CAMERA				

Photography II				06PHOTO2
CREDIT: 0.5	COURSE LENGTH: Semester	CREDIT TYPE: Fine Art		
GRADE: 9-12	GRADING SCALE: Unweighted	PREREQUISITE: Approved Portfolio		
<p>This course explores both creative/artistic as well as commercial/studio photography at the next level after they have learned compositional strategy in Photography I. Students will be challenged with differing thematic approaches in digital photography, as well as be required to produce traditional studio lighting imagery. Group critique, final presentation of artwork, and in-depth historical research will be emphasized beyond that expected in Photo I. A final portfolio punctuated by a personal artist statement will be required at the end of the course, showcasing their best work. Completion of this course is a prerequisite for Photography Studio. Course is limited to 25 students.</p>				
**STUDENTS ARE ENCOURAGED TO OWN A DIGITAL CAMERA				
Recommendation: Passed Photography I with ≥ C				

Photography Studio				06PHOTO3
CREDIT: 0.5	COURSE LENGTH: Semester	CREDIT TYPE: Fine Art		
GRADE: 10-12	GRADING SCALE: Unweighted	PREREQUISITE: Approved Portfolio		
<p>This course is for students who have already progressed through Photography I & II and wish to advance their digital photography skills as well as refine their portfolio of work. Students will be personally challenged in the creation of visuals that promote a vision and unique perspective. Technical mastery, alternative techniques, and lighting control will be emphasized while the students continue to build their repertoire and add to their portfolio. Entry into outside competition(s) will be required, as well as a final display portfolio and artist statement. Students may enroll in this course repeatedly for credit.</p>				
**STUDENTS ARE ENCOURAGED TO OWN A DSLR OR MIRRORLESS CAMERA.				
Recommendation: Passed Photography II with ≥ C				



Graphic Design Career Pathway

PATHWAYS TO POSTSECONDARY WORKFORCE READINESS

CAREER PATHWAY SEQUENCE

9 TH	10 TH	11 TH	12 TH
	Digital Media A & B		
		Graphic Design 1 Graphic Design 2	

Course Sequence

- Digital Media A & B [1] 1 – Year
- Graphic Design 1 [.5] 1 – Semester
- Graphic Design 2 [1] 1 – Year

Supporting Coursework

9 - 11

- Digital Media A & B [1] 1 – Year

9 - 12

- Practicum in Graphic Arts [1] 1 – Year
- Photography I [.5] 1 – Semester
- Photography II [.5] 1 – Semester
- Desktop Publishing [.5] 1 – Semester
- Principles of Marketing (DECA 1) [1] 1 – Year

10 - 12

- Photography Studio [.5] 1 – Semester
- Event Marketing & Communications [.5] 1 – Semester
- (Prerequisite: Principles of Marketing)

Career and Technical Student Organization:



Related Careers

- Art Director
- Creative Director
- Drafter (Architecture and Engineering)
- Film and Video Editor
- Graphic Designer
- Industrial/Product Designer
- Marketing Manager
- Technical Writer
- Web Designer
- Multimedia Designer
- Logo Designer
- Layout Artist

Post-secondary Education Options

Certifications	Adobe Illustrator Adobe Creative Suite Coding – JavaScript, HTML, Python, CSS Google AdWords
AA	Animation and Motion Graphics Graphic and Interactive Design AS – Digital Media Technology Visual Communication and Design AS – Digital Design and Graphics
BA	Graphic Design Sustainable Design Illustration Web Design Game Design
MA	Graphic Design Illustration Visual Communication: Graphic Design Experimental Communication, Graphic Design, and Illustration

Digital Media A & B

06DIG

CREDIT: 1.0 COURSE LENGTH: Year CREDIT TYPE: Fine Art
 GRADE: 9-11 GRADING SCALE: Unweighted PREREQUISITE: None

In Digital Media, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students will enhance reading, writing, computing, communication, and critical thinking and apply them to the information technology (IT) environment.

Graphic Design 1

06GRAPH

CREDIT: 1.0 COURSE LENGTH: Year CREDIT TYPE: Fine Art
 GRADE: 10-12 GRADING SCALE: Unweighted PREREQUISITE: Digital Media A & B

This entry level course provides training in the visual communication portion of all media businesses. Students learn about a career within the vast 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 course. This course 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 2 - Yearbook

06GRAPH2

CREDIT: 1.0 COURSE LENGTH: Year CREDIT TYPE: Fine Art
 GRADE: 10-12 GRADING SCALE: Unweighted PREREQUISITE: Graphic Design 1, Teacher Recommendation

Graphic Design Two builds on skills learned in Graphic Design One. During this course, students will explore a variety of new techniques. Students will learn about real world applications and careers in the field. Some of the projects students will create include cartooning, product design, and magazine layouts.

Practicum in Graphic Arts - Yearbook Editor

06PRGA

CREDIT: 1.0 COURSE LENGTH: Year CREDIT TYPE: Fine Art
 GRADE: 10-12 GRADING SCALE: Unweighted PREREQUISITE: Graphic Design 1, Teacher Recommendation

This course is recommended for students who have completed Graphic Design 1. This course is meant to serve students interested in further development of a professional portfolio in addition to further development of skills and technical knowledge. Students will be expected to further develop knowledge and awareness of the industry of graphic design and illustration. Instruction may be delivered through lab-based classroom experiences and/or career preparation opportunities

Partners in Art (Mentor)

06ARTM

CREDIT: 0.5 COURSE LENGTH: Semester CREDIT TYPE: Fine Art
 GRADE: 10-12 GRADING SCALE: Unweighted PREREQUISITE: Art Teacher Recommendation and Application

Students considering a career in teaching are encouraged to enroll in this course. Peer assistants will work closely with students with a disability at FFCHS to provide help with art and craft activities in a studio setting. Students should have a desire to help their fellow students. Students may enroll in this course repeatedly for credit.

8 TIPS to LAND A JOB IN THE VISUAL ARTS:



Plan your career path
 Consider freelancing
 Pursue an internship
 Start building your portfolio

Network
 Request an informational interview
 Develop your personal brand
 Cultivate a following

Ceramics I				06CERA1	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Fine Art
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>This course explores a variety of pottery and sculptural techniques in this fun, hands-on studio course. Learn the art making process, where students research, plan, create, and critique their work. They will learn about pinch, coil, and slab techniques for building in clay.</p>					

Ceramics II				06CERA2	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Fine Art
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Approved Portfolio
<p>Students who enjoyed Ceramics I are encouraged to continue their artistic journey in Ceramics II. Instruction will focus on advanced pottery and sculptural techniques leading to more complex and rewarding works. An emphasis will be placed on exhibition quality work.</p>					

Recommendation: *Passed Ceramics I with \geq C*

Ceramics Studio				06CERA3	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Fine Art
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Approved Portfolio
<p>Students will go deeper into their skills for clay. Students passionate about ceramics will enjoy the challenges and rewards of Ceramics Studio. Advanced Ceramics emphasizes greater self-expression within a curriculum of creating a portfolio. Explore creativity at a whole new level and find your unique style. Students may enroll in this course repeatedly for credit.</p>					

Recommendation: *Passed Ceramics II with \geq C*

Sculpture I				06SCUL1	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Fine Art
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>This is an art course focusing on three-dimensional media. A variety of three-dimensional media will be explored including, but not limited to, clay, paper, cardboard, wire, and found objects. Students will learn how to build with 3 techniques, relief, subtractive and additive sculptures.</p>					

Sculpture II				06SCUL2	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Fine Art
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Approved Portfolio
<p>This is the second art course in the two-course sculpture sequence focusing on three-dimensional media. Students who enjoyed Sculpture I can continue their artistic journey to Sculpture II. Instruction will focus on more advanced sculptural techniques that lead to more complex and rewarding works. Materials will vary from clay, wood, linoleum, plaster, and recycled materials.</p>					

Recommendation: *Passed Sculpture I with \geq C*

Sculpture Studio				06SCULSTUD	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Fine Art
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Approved Portfolio
<p>Students passionate about sculpture and long to grow as a sculptor then this course is for you! Studio emphasizes greater self-expression within a more challenging and rewarding curriculum of creating a portfolio. Students may enroll in this course repeatedly for credit.</p>					

Recommendation: *Passed Sculpture II with \geq C*

HIGHEST PAYING CAREERS IN ART



Art Director
Landscape Architect
Graphic Designer
Art Curator

Producer and Director
Video Editor
Drafter
Interior Designer

Go to <https://www.onetonline.org> to see job outlook for careers in art

AP Art & Design

04APAD

CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Fine Art
GRADE:	11-12	GRADING SCALE:	Weighted	PREREQUISITE:	Teacher Recommendation

This course is for upper level students who have entered into their Junior or Senior years with a full repertoire of skillsets, abilities, and a growing body of work. It is a full year course designed to provide an opportunity for our advanced students to challenge themselves in submitting a final portfolio for outside scoring and evaluation. The AP Art and Design program consists of three different courses and AP Portfolio Exams - AP 2-D Art and Design, AP 3-D Art and Design, and AP Drawing - corresponding to college and university foundations courses. Portfolios include works of art and design, process documentation, and written information about the work presented. In May, students submit portfolios for evaluation based on specific criteria.

Recommendation: Passed a Level II 2D Art Class with \geq B

Students may choose to submit any or all the AP Portfolio Exams, but they may not resubmit the same work within multiple portfolio types. *This is an HONOR LEVEL/AP course, so the students will receive WEIGHTED STATUS for their enrollment - PENDING PORTFOLIO SUBMISSION.



Video Production Career Pathway

PATHWAYS TO POSTSECONDARY WORKFORCE READINESS

CAREER PATHWAY SEQUENCE

9 TH	10 TH	11 TH	12 TH
Audio & Visual Production I A & B			
	Audio & Visual Production II A & B Sports Broadcasting and Production (TSN) Capstone in Audio/Video (Trojan News)		
		Practicum in Audio/Video Production	

Course Sequence

- Audio & Visual Production I A & B [1] 1 – Year
- Audio & Visual Production II A & B [1] 1 – Year
- Sports Broadcasting and Production [1] 1 – Year
- Capstone in Audio/Video (Trojan News)
- Practicum in Audio/Video Production [.5] 1 - Semester

Supporting Coursework

- 9**
- Literature & Composition I [1] – Year
 - Pre-AP Literature & Composition I – [1] Year
- 10**
- Literature & Composition II [1] – Year
 - Pre-AP Literature & Composition II – [1] Year
- 9 – 11**
- Digital Media A & B [1] 1 – Year
 - Event Marketing & Communications [.5] 1 – Semester
 - (Prerequisite: Principles of Marketing)
- 9 – 12**
- Improvisational Acting [.5] 1 – Semester
 - Speech and Debate [.5] 1 – Semester
 - Principles of Marketing (DECA 1) [1] 1 – Year
 - Desktop Publishing [.5] 1 – Semester
- 10 - 12**
- Broadcast Production (Trojan News) [1] 1 – Year
 - Event Marketing & Communications [.5] 1 – Semester
 - (Prerequisite: Principles of Marketing)

Related Careers

- Production Assistant
- Freelance Videographer
- Assistant Editor
- Assistant Camera Operator
- Grip
- Boom Operator
- Screenwriter
- Storyboard artist
- Special Effects Coordinator
- Gaffer
- Video Technician
- Casting Assistant
- Multimedia Artists and Animators

Post-secondary Education Options

Certifications	Adobe Premiere Pro CC Avid Certified User: Media Composer Avid Certified Professional: Media Composer Certified Video Engineer Film & Media Industries and Professions
AA	AS – Television and Video Production Digital Video Production Game Design AS – Digital Media Technology
BA	Video Production Media Production and Film BS – New Media and Internet Marketing Multimedia and Digital Communication
MA	Film and Television Cinematic Arts, Film, and Television Production Film and Media Studies Film Productions Documentary Film and Video

Career and Technical Student Organization:



VIDEO PRODUCTION

Audio & Visual Production 1 A & B				06AVPRO1	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Fine Art
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>This course explores the Audio and Video production industry and its postsecondary 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.</p>					

Audio & Visual Production 2 A & B				06AVPRO2	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Fine Art
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Audio & Video Production 1 A&B
<p>Building on skills learned in Audio/Video Production I, students will work on several audio and/or video productions created for television, cable television, education, radio, entertainment, business and/or industry. Students may concentrate on specific areas of interest such as videography, video editing, film editing, audio recording, audio mixing, sound reinforcement, sound design, dialog editing, lighting, directing, producing, still or animated computer graphics, special effects, voice talent, on-camera talent, production management and camera operation. Students will create a portfolio of work. Additional time beyond regular school hours is required for productions. Students will also be encouraged to participate as studio crew for district productions outside of school hours.</p>					

Capstone in Audio/Video (Trojan News)				08TNEW	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Elective
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Audio & Video Production 2 A&B
<p>In the Capstone in Audio/Video course, students will examine the techniques and technologies involved in creating multi-camera shoots for the news and narrative broadcast television genres. Students will explore the unique logistical, structural, and aesthetic methodologies that distinguish broadcast production from other types of production. This course is limited to 20 students.</p>					
<i>Recommendation: Passed all Language Arts courses with \geqC</i>					

Practicum in Audio/Video Production				06PAVP	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Fine Art
GRADE:	11-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Teacher Recommendation
<p>Building upon the concepts taught in Audio/Video Production 2, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video products in a professional environment. This course may be implemented in an advanced audio/video or audio format. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.</p>					



TROUBLESHOOTING SKILLS	CRITICAL THINKING SKILLS	ORGANIZATION SKILLS	ADAPTABILITY
COMMUNICATION SKILLS	ABILITY TO WORK UNDER PRESSURE	CREATIVITY	ATTENTION TO DETAIL

SKILLS THAT WILL HELP YOU
SUCCEED IN CAREERS IN
VIDEO PRODUCTION

Sports Broadcasting & Production-Trojan Sports Network (TSN)

06TSN

CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Fine Art
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Audio & Visual Production 1 A&B or Digital Media A&B or Teacher Recommendation

Sports Broadcasting and Production will offer training in the audio/video production, photography, graphic design, journalism and animation industries in relation to sports. Students will be provided with hands-on experience in creating sports graphics, animations, and videos for live streams, the stadium video board, and for social media. Students will apply videography skills to create videos for the video board and create highlight reels of the current week's games. Students will gain experience as videographers, anchor/reporters, photographers, play-by-play announcers/analysts, graphic designers, motion graphics designers and social media managers in relation to the sports field. Additional time commitments outside of class will be required in this course.

MUSIC

Music Appreciation				06MA	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	General Elective
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>Covers the basic materials of music, musical forms, media, genres and musical periods throughout history. Emphasizes the development of tools for intelligent listening and appreciation, and a broad understanding of music and its roots. This course will explore music from antiquity through the 20th century, as well as folk music, jazz music, and various other music genres.</p>					

Fundamentals of Music Theory				06MT	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	General Elective
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Music Class Enrollment
<p>This course will introduce students to the theory of music, providing them with the skills needed to read and write Western music notation, as well as to understand, analyze, and listen to music informedly. It will cover material such as pitches and scales, intervals, clefs, rhythm, form, meter, phrases and cadences, and basic four-part writing and harmony.</p>					

AP Music Theory				06APMT	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Fine Art, Academic Elective
GRADE:	11-12	GRADING SCALE:	Weighted	PREREQUISITE:	Enrolled in Band or Choir-pass music
<p>The AP Music Theory exam consists of a "Paper and Pencil" portion that covers concepts in music notation, form, analysis, part-writing, chords, tonal progressions, and terminology. It also contains a "sight singing" portion that requires students to sight-read music excerpts.</p> <p><i>An Exam fee is required for students in AP classes with a discount for students receiving free or reduced lunch. All students enrolled in AP classes are required to take the course AP exam in May. Additional fees may be assessed if the course is dropped after October 1st or a student fails to pass with a 'C' or higher.</i></p>					

Concert Choir				06CHOR1 FALL/06CHOR2 SPRING	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Fine Art
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>Concert Choir is an entry level choir for students wishing to learn more about choir and students wishing to improve their skills to advance to auditioned level choirs. Singers in Concert Choir will explore traditional and popular culture literature spanning the Baroque Period through the contemporary Period. Students wishing to take Concert Choir all year must enroll in both sections.</p>					

Bella Voci				06BELLA	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Fine Art
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Audition
<p>Bella Voci an auditioned choir of 9th-12th grade treble voices - this is an advanced choir. Singers in Bella Voci will explore traditional and popular culture literature spanning the Renaissance Period through the Contemporary Period. Outside of school performances, competitions, and travel opportunities are a staple of Bella Voci.</p>					

Cantari				06CANT	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Fine Art
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Audition
<p>Cantari is an auditioned mixed choir of 9th-12th grade treble and bass voices – this is an advanced choir. Singers in Cantari will explore traditional and popular culture literature spanning the Renaissance Period through the Contemporary Period. Outside of school performances, competitions, and travel opportunities are a staple of Cantari.</p>					



Making it in the music business is harder than many other industries. There is a lot of competition. But, with hard work – including, refining your craft and networking with people connected to the industry, there may a place for you!

Trojansaires				06TROJ	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Fine Art
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Audition
Trojansaires is an auditioned mixed a cappella ensemble. This ensemble will sing a wide variety of popular culture music including: Broadway, Jazz, Rock, Pop, Hip-Hop, R&B, Rap, and Indie. Students will have input as to the music to be performed and will be given the opportunity to write music for the group if desired. Students interested in learning about vocal percussion or beat-boxing will have performance opportunities. Show choir elements may be added to the ensemble as well.					

Beginning Band				06BEGCNCT	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Fine Art
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
Beginning Band is designed for students who did not have the opportunity to participate in a band previously, but have a desire to learn a wind band instrument (flute, clarinet, saxophone, trumpet, French horn, trombone, euphonium, tuba, and percussion). Students who had minimal middle school band are encouraged to join Beginning Band to solidify their fundamental playing skills. Some school instruments are available to check-out, while others may need to be rented from a local music store depending on availability. All students will eventually move into one of the three concert ensembles at FFCHS. The Beginning Band will perform at band concerts throughout the year as appropriate for the ensemble. Beginning Band is a full year course.					

Concert Band				06CNCT	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Fine Art
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Middle school band experience
High school entry-level concert ensemble for freshmen & instrumentalists who have had previous middle school band experience. Instrumental techniques, skills, and fundamentals will be taught throughout the course, allowing students to advance their technical and musical proficiency on their instrument in preparation for their advancement in the band program. The Concert Band will perform and participate in instrumental music festivals as appropriate for the ensemble. Concert Band is a full year course.					

Symphonic Band				06SYMPH	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Fine Art
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	2-years Middle/High School Band, Audition or Teacher Recommendation
By audition or teacher recommendation only. The Symphonic Band will be composed of students who have demonstrated significant growth in Concert Band. Consideration for placement in this course will be based upon musical ability and ideal instrumentation for an intermediate band. Students auditioning will perform a piece of music supplied by the director and six (6) major and minor scales. The Symphonic Band will perform and participate in instrumental music festivals as appropriate for the ensemble. Symphonic Band is a full year course. Students may enroll in the course repeatedly for credit.					

Wind Ensemble				06WIND	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Fine Art
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Audition or Teacher Recommendation
By audition or teacher recommendation only. This Wind Ensemble will be composed of advanced instrumental musicians in the school. A consideration for placement in this course will be based upon musical ability and ideal instrumentation for an advanced band. Students auditioning will perform a piece of music supplied by the director and six (6) major and minor scales. The Wind Ensemble will perform and participate in instrumental music festivals as appropriate for the ensemble. Students may enroll in the course repeatedly for credit. Wind Ensemble is a full year course.					

Percussion				06PERC	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Fine Art
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Previous Band experience required, Teacher Recommendation
<p>Percussion Class is for all Concert Band, Symphonic Band, and Wind Ensemble percussionists ONLY. All percussion students in the FFCHS Band program take Percussion instead of the regular band class. This course will focus heavily on the marching band show in fall, as well as concert ensemble literature, percussion ensemble literature, and solo and ensemble. Students who do not have previous experience in percussion should speak with the Director of Bands if they are interested in participating in Percussion. Percussion is a full year course.</p>					

Jazz Band				06JAZZ2 SPRING ONLY	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Fine Art
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Audition
<p>NOTE: By Audition Only, Limited Instrumentation. This band will explore traditional jazz band literature from Dixieland, blues, swing, funk, Latin, and modern fusion. Students must demonstrate acceptable skill on their chosen instrument. All students must be enrolled in Concert Band, Symphonic Band, Wind Ensemble, or Percussion Class (with the exception for piano, bass, and guitar players). The Jazz Band will perform at band concerts throughout the years, as well as compete and perform at regional and state jazz festivals as appropriate for the ensemble.</p>					
<p><i>Jazz Band will begin rehearsing in the fall during the Zero Hour before school.</i></p>					

Performance Practices & Recitals				06PPR	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Fine Art, General Elective, Academic Elective
GRADE:	11-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Advanced ensemble (band or choir)
<p>Students will develop and extend their practical music-making skills through performing solo works for instrument(s) and/or voice. Students will analyze their chosen repertoire, practice critiquing strategies to develop their performances, and evaluate their performances as a soloist. They will develop stage presence and skills in engaging an audience. This class is for students who are looking to strengthen their musical understanding, skills, technique, and accuracy in performing and refining music.</p>					

DRAMA

Drama I				06DRAM1	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Fine Art
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>Students will be exposed to the fundamentals of acting, with a focus on live stage performance. Topics of study will include vocal techniques, presence and movement training, memorization techniques, public speaking skills, and basic terminology and concepts relating to theater. In addition, basic knowledge about the technical side of live theater will be imparted, including set design and construction, lighting, and rudimentary makeup. Students will be required to accept constructive criticism from their instructor and fellow students, and will be required to give constructive criticism to their fellow students (and even, at times, to their instructor!). Grades will be based upon proper class participation, standard written assessments, contribution to the FFCHS theater program, projects, and performance assessments. Note: Attendance at rehearsals and performances for the fall play or winter musical (based on the semester the course is taken) is required, and will form a portion of the student's grade.</p>					

Drama II				06DRAM2	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Fine Art
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Drama I
<p>All topics and requirements from Drama I will be extended. Students will begin to develop intermediate skills in acting, script analysis, audition processes, and improvisation. Elements of theater history will be studied, including Classical, Renaissance, Restoration, and Modern Musicals. Students will also have the opportunity to design sets and lighting and sound schemes. Further, costume design will be studied. In addition, students will study and design publicity campaigns for theatrical events. Note: At this level, some students may choose projects that emphasize performance while others may choose projects that emphasize the off-stage aspects of theater. Students may enroll in this course repeatedly for credit.</p>					

Improvational Acting				06IMPROV	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Fine Art
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Drama I
<p>Whose Line is it Anyway? Improv Olympics? The Groundlings? Saturday Night Live? Comedy Sportz? If you've heard of any of these groups and shows, then you've heard about improvisational acting. Students will learn, analyze, and apply the tenets of improvisation using drills, exercises, games, and, eventually, scene work. We do not teach a particular format. Instead, students will be taught the basics and philosophy behind improve itself. Students will also be introduced to a character-based approach to long-form improvisation as well as techniques for using improvisational techniques to build characters and improve observational skills.</p>					

SPEECH & DEBATE

Speech and Debate				06SPCH	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Fine Art
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>Speech and Debate is a general speech course which explores the basic principles of public speaking as well as introduces the theory of debate and discussion techniques. Students are taught various methods of communication with the public. Organizational skills, research, reasoning, and oral presentation are a few of the areas developed throughout the semester. Competitive debate and speech will be introduced, and the students will have the opportunity to become members of the Forensics team.</p>					

Competitive Speech and Debate

06CSD

CREDIT: 0.5 COURSE LENGTH: Semester CREDIT TYPE: Fine Art

GRADE: 9-12 GRADING SCALE: Unweighted PREREQUISITE: None

This course is designed to allow students to learn, create, and compete speech and debate events. Students will be taught the various speech and debate competitive events including the following: Original Oratory, Informative Speaking, Poetry, Dramatic and Humorous Interpretation, Duo Interpretation, Program Oral Interpretation, Extemporaneous Speaking, Congressional Debate, and Public Forum Debate. In addition to the events, students will also be taught organizational skills, research, reasoning, and oral presentation skills. Participation in this course will require the student to compete in at least two competitions. Furthermore, students enrolled in this course will be members of the Fountain-Fort Carson Speech and Debate Team and the National Speech and Debate Association.

SPEECH & DEBATE

BENEFITS INCLUDE LEARNING:
 conflict resolution skills, improved oral and written communication skills, critical thinking skills, improved research skills, greater confidence, improved articulation

POETRY AND CREATIVE WRITING

Poetry and Creative Writing I

06PCW

CREDIT: 0.5 COURSE LENGTH: Semester CREDIT TYPE: Fine Art

GRADE: 9-12 GRADING SCALE: Unweighted PREREQUISITE: None

Students will read and analyze a variety of genres of poetry, and study different creative writing styles including short works of fiction and non-fiction. For each genre studied, students will compose their own original works. The course will be set up in a workshop format in which they will learn to edit and critique peers' writing, as well as their own. Students interested in writing are encouraged to take this Language Arts based elective.

Poetry and Creative Writing II

06PCW2

CREDIT: 0.5 COURSE LENGTH: Semester CREDIT TYPE: Fine Art

GRADE: 9-12 GRADING SCALE: Unweighted PREREQUISITE: Poetry and Creative Writing I

Creative Writing and Poetry II is a continuation of CWP I course focusing more intently on taking skills learned previously and applying them to a higher aspect of the creative writing process. Students will read and analyze a variety of genres of poetry, and study different creative writing styles including short works of fiction and non-fiction with a primary focus on writing a short novel and or poetry meant to be published. For each genre studied, students will compose their own original works. The course will be set up in a workshop format in which they will edit and critique peers' writing, as well as their own. Students interested in extending their writing are encouraged to take this Language Arts based elective.

Recommendation: Passed Poetry and Creative Writing with \geq C



Business and Marketing Career Pathway

PATHWAYS TO POSTSECONDARY WORKFORCE READINESS

CAREER PATHWAY SEQUENCE

9 TH	10 TH	11 TH	12 TH
	Principles of Marketing (DECA)		
	Event Marketing (Sports & Entertainment)/Business Communications (DECA)		
	Principles of Advertising/Social Media for Business (DECA)		
	Accounting Principles 1 & 2 (FBLA)		
	Legal Environment of Business/Ethical Leadership (FLBA/DECA)		
	School-Based Enterprise- Operations Management/Retail (DECA)		
	Project Management in Organizations /Management in Action (DECA)		

Course Sequence

Year 1

- Principles of Marketing A & B [1] 1 – Year
- OR**
- Event Marketing [1] 1 – Year
- Business Communications

Year 2 - 4

- Principles of Advertising [1] 1 – Year
- Social Media for Business
- Accounting Principles 1 & 2 [1] 1 – Year
- Legal Environment of Business [1] 1 – Year
- Ethical Leadership
- Project Management in Organizations {1} 1 - Year
- Management in Action

Supporting Coursework

9 - 12

- Digital Imaging I [.5] 1 – Semester
- Digital Imaging II [.5] 1 – Semester
- Film Making [.5] 1 – Semester
- Film Making 2.0 [.5] 1 – Semester
- Speech and Debate [.5] 1 – Semester

10 - 12

- Graphic Design I [.5] 1 – Semester
- Graphic Design II [.5] 1 – Semester
- Trojan News [.5] 1 – Semester

*All courses are 1 year broken into 2 parts

Career and Technical Student Organization:



Related Careers

- Statement Clerks
- Tax Examiners, Collectors, Revenue Agents
- Credit Authorizers
- Chief Executives
- Sales Manager
- Market Research Analysts
- Marketing Specialist
- Merchandise Displayer
- Wholesale and Retail Buyer
- Product Promoter
- Public Relations Specialist
- Advertising and Promotions Manger
- Green Marketer

Post-secondary Education Options

Certifications Google Analytics Individual Qualification
 Google Digital Garage
 Hootsuite Social Marketing
 PCM - Digital Management Certification

AA Principles of Marketing
 Salesmanship
 International Marketing
 Introduction to Retail

BA Introduction to Marketing
 Consumer Behavior
 Sales Management
 Public Relations
 Marketing Research
 Advertising
 E-Marketing

MA Product Innovation and Planning
 Consumer Behavior
 Marketing Research
 Global Marketing



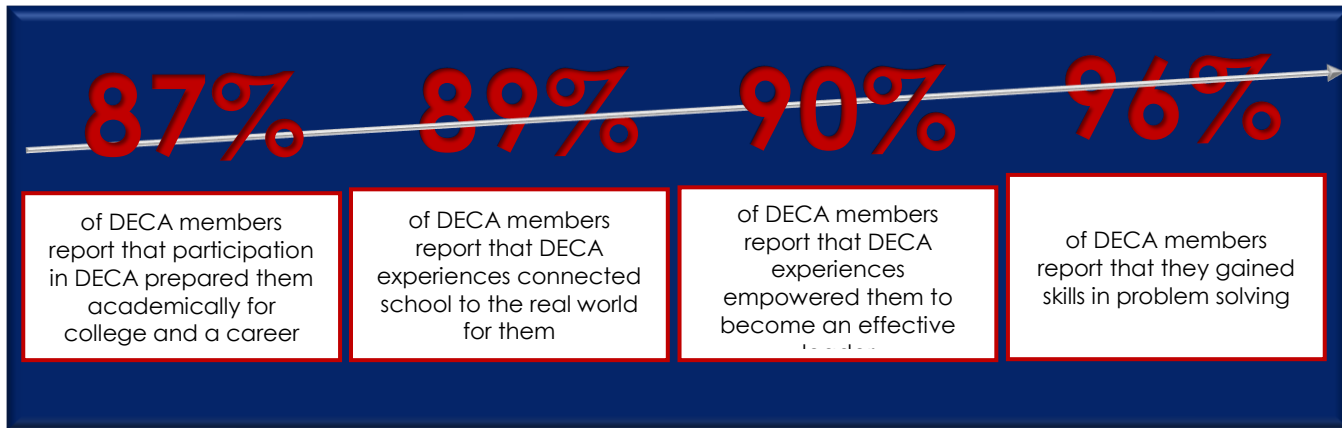
BUSINESS AND MARKETING

In this tri-fold program, consisting of class instruction, club involvement, and practical experience in a work environment, students will be introduced to the vast world of marketing. DECA and FBLA are the co-curricular Career and Technical Student Organizations. In DECA and FBLA, students will further develop their vocational understanding, leadership skills, civic awareness and social intelligence. DECA and FBLA are a vital and necessary component of the Business and Marketing Education Program. Competition at the district level is required. Membership in DECA or FBLA is required with dues. Fundraising and other options to help pay for dues are available. Dual membership and is encouraged. Dues will be discounted.

Principles of Marketing (DECA)				08DECA1	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>Principles of Marketing is an introductory business and marketing course. It enables students to acquire a realistic understanding of business processes and activities. Students examine fundamental economic concepts, the business environment, and primary business activities. They develop an understanding of skills in such areas as customer relations, economics, emotional intelligence, financial analysis, human resources management, information management, marketing, operations, professional development, and strategic management. Throughout the course, students are presented ethical dilemmas and problem-solving situations for which they must apply academic and critical-thinking skills. The students also will be presented with 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.</p> <p><i>Competition at the district level is required. Membership in DECA is required with dues. Fundraising and other options to help pay for dues are available.</i></p>					

Event Marketing (Sports and Entertainment) & Business Communication (DECA)				08EMCOM	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>Event Marketing (Sports and Entertainment) – Semester 1</p> <p>Event Marketing and Communications is a unique and innovative course designed for students with an interest in the sports and entertainment industry. This course defines the importance and role of marketing, media and public relations in the event planning industry. Students will identify marketing and communication tools such as social media, promotional events, networking and blogs. They will also design a marketing plan to include target market research, communication tools, objectives, strategies, and implementation. This course stresses the utilization of fundamental marketing concepts and will include an orientation to the sports and entertainment industry. Marketing strategies along with topics in sponsorship, pricing, marketing research, endorsements, and promotions will be part of this course. The course will develop critical thinking, decision making and communication skills through real world applications. Students will be prepared to handle specific tasks associated with industry.</p>					
<p>Business Communications – Semester 2</p> <p>People possessing good communication skills have an advantage in the workplace. This course focuses on verbal, nonverbal, and written forms of communication. The course will emphasize effective business writing and cover letters, memoranda, reports, application letters, and resumes. This course includes the fundamentals of business communication and an introduction to international communication. The Business Communications and Speech Course will provide students with the information and practice they need to communicate effectively in a variety of business settings.</p> <p><i>Competition at the district level is required. Membership in DECA is required with dues. Fundraising and other options to help pay for dues are available.</i></p>					

Principles of Advertising & Social Media for Business (DECA)				08PASMB	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Principles of Marketing or Event Marketing
Principles of Advertising – Semester 1					
Principles of Advertising examines the principles and practices of advertising and its relationship to business to promote a business or organization. Areas of major emphasis include advertising principles, strategies, media, copy and layout, and ethical considerations.					
Social Media for Business – Semester 2					
Social Media for Business teaches students how to use social media as a business strategy and covers how to match that strategy with the goals of the business. This course addresses current trends, ethics, regulations, legal challenges, strategy, content development, and change management. This course helps students develop a better understanding of how marketing with social media is similar to and different from traditional marketing and how to best use online methods to further business goals.					
<i>Competition at the district level is required. Membership in DECA is required with dues. Fundraising and other options to help pay for dues are available.</i>					



Accounting Principles 1 & 2 (FBLA)				08ACCT	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Principles of Marketing or Event Marketing
Accounting Principles 1 – Semester 1					
Accounting, also known as, the “Universal Language of Business,” plays an important role in the business world. Students will learn how accounting information is used by people both inside and outside the business in making decisions. 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. The course covers accounting for sole proprietorships, merchandising companies, and corporations.					
Accounting Principles 2 – Semester 2					
Accounting Principles 2 provides a strong foundation in basic accounting theory and procedures and includes instruction on computerized accounting systems. This course continues the application of accounting principles to business organizations. Major topics include corporate equity and debt financing, investments, cash flow statements, financial analysis, budgeting, cost and managerial accounting. The advanced accounting topics include financial analysis, budgeting, break-even, and cost accounting. Advanced Accounting will cover accounting procedures for partnerships and not-for-profit organizations. This course is ideal for students going to college, as well as, those entering the workforce upon graduation.					
<i>Competition at the district level is required. Membership in FBLA is required with dues. Fundraising and other options to help pay for dues are available.</i>					

Legal Environment of Business & Ethical Leadership (FBLA/DECA)


08LEBEL

CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Principles of Marketing or Event Marketing

Legal Environment of Business – Semester 1 & Ethical Leadership – Semester 2


Legal Environment of Business is designed to provide students with a basic understanding of the legal and ethical issues related to business law. This course emphasizes public law, regulation of business, ethical considerations, and various relationships existing within society, government, and business. Specific attention is given to economic regulation, social regulation, labor-management issues, environmental issues, and contract fundamentals. This course analyzes the role of law in social, political, and economic change business environments. This class will discuss the basic nature of the U.S. legal system starting with constitutional law, how statutes are formed, and the differences between criminal and civil cases and procedures. More specifically, areas of study include legal and ethical issues that arise in business decisions, laws that apply to social responsibility, contract law, employment and labor law, and tort and liability law. Personal topics include buying and insuring a car, renting an apartment, buying a home, marriage, divorce, and the use of personal credit. This course looks to combine theory and practice to give students real-world opportunities to explore the intersection of law and business. Upon completion, students will be prepared with a real world understanding of business-related areas such as bankruptcy, corporate law, mergers and acquisitions, consumer rights, legal considerations of business ownership, finance, and commercial law and taxation.

Competition at the district level is required. Membership in DECA and/or FBLA is required with dues, enrollment in both organizations is encouraged. Fundraising and other options to help pay for dues are available.




WHY SHOULD STUDENTS JOIN FBLA?


FUTURE BUSINESS LEADERS OF AMERICA




SCHOLARSHIPS




COLLEGE PREPARATION




TRAVEL




ACADEMIC COMPETITIONS



NETWORKING



CAREER EXPLORATION



DISCOUNTS

School-Based Enterprise–Operations Management/Retail (DECA)

08DECA2

CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Principles of Marketing or Event Marketing

School-Based Enterprise–Operations Management – Semester 1 & School-Based Enterprise–Retail – Semester 2

A School-based Enterprise (SBE) is an entrepreneurial operation in a school setting that provides goods/ services to meet the needs of the market. SBEs are managed and operated by students as hands-on learning laboratories that integrate National Curriculum Standards in Marketing, Finance, Hospitality or Management. SBEs provide realistic and practical learning experiences that reinforce classroom instruction.

Competition at the district level is required. Membership in DECA is required with dues. Fundraising and other options to help pay for dues are available.

Project Management in Organizations and Management in Action (DECA) 08DECA3

CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Principles of Marketing, Event Marketing or other 10-12 Course

Project Management in Organization and Management investigates the concepts and applicability of project management within organizations. It examines the unique nature of the project management structure including its emphasis on integrated decision making throughout a lifecycle of a product from the planning, implementing, monitoring, and controlling phases. Emphasis is on the processes of initiating, planning, executing, controlling, and closing activities of project management.

Competition at the district level is required. Membership in DECA is required with dues. Fundraising and other options to help pay for dues are available.

Retail Operations and/or Work Based Learning- WBL (Business, Finance, Marketing) (FBLA/DECA) 08DECA4

CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Principles of Marketing, Event Marketing or other 10-12 Course

This course is an entrepreneurial operation in a school setting that provides goods/services to meet the needs of a market. Students will learn hands-on retail procedures including customer service, advertising, sales, merchandising and math. Students will operate, maintain and manage the various DECA related retail outlets (Domination Store, Concessions, etc.).

Competition at the district level is required. Membership in DECA and/or is required with dues. Fundraising and other options to help pay for dues are available.



Culinary Arts Career Pathway

PATHWAYS TO POSTSECONDARY WORKFORCE READINESS

CAREER PATHWAY SEQUENCE

9 TH	10 TH	11 TH	12 TH
	Culinary Essentials 1 & 2		
		Culinary Arts 1 A & B	
			Work-Based Learning FACS

Course Sequence

- Culinary Essentials 1 [.5] 1 – Semester
- Culinary Essentials 2 [.5] 1 – Semester
- Culinary Arts 1A [.5] 1 – Semester
- Culinary Arts 1B [.5] 1 – Semester
- Work Based Learning FAC's [.5] 1 – Semester

Related Careers

- Baker
- Pastry Chef
- Caterer
- Executive Chef
- Personal Chef
- Wine Sommelier
- Kitchen Manager
- Banquet Cook
- Culinary Specialist
- Multi-Unit Manager
- Food Service Manager
- Sous Chef
- Butcher

Post-secondary Education Options

Certifications	ServSafe Certified Master Pastry Chef Certified Culinary Administrator Certified Wedding and Event Planner
AA	AS – Culinary Arts Culinary Arts Baking and Pastry Arts Professional Cooking
BA	Hospitality Management Hotel and Restaurant Management Culinary Arts Management Wine, Spirits, and Beverage Management
MA	Culinary Arts Restaurant Management Wine and Beverage Management International Cuisine

Career and Technical Student Organization:



CULINARY ARTS

Culinary Essentials 1				08CULE1
CREDIT: 0.5	COURSE LENGTH: Semester	CREDIT TYPE: Elective		
GRADE: 9-12	GRADING SCALE: Unweighted	PREREQUISITE: None (9th grade - 2nd Semester only, Approval Process)		
<p>This course is designed to introduce students to a variety of culinary skills and food preparation. Through instruction and culinary lab practice, this course will provide an opportunity for students to learn food preparation and demonstrate food safety. Some topics include introductory culinary skills and preparation of items such as quick breads, yeast breads, and eggs; as well as meal and menu planning; nutrition, and food borne illnesses; basic rules of sanitation; and local/ state regulations for food service operations. At the completion of the course, students take the ServSafe Test, a nationally recognized test from the Education Foundation of the National Restaurant Association. If passed with a score of 75% or more, students receive a Certificate of from the Education Foundation and can enroll in Culinary Essentials 2.</p> <p><i>*Freshmen can request and apply 2nd semester only and must be on track and have good attendance and behavior.</i></p> <p><i>• Students who plan to pursue the Culinary Arts through Pikes Peak Community College (PPCC), must pass with an A or B to earn credit through Pikes Peak Community College Articulation Agreement.</i></p>				

Culinary Essentials 2				08CULE2
CREDIT: 0.5	COURSE LENGTH: Semester, 2 PERIODS DAILY	CREDIT TYPE: Elective		
GRADE: 10-12	GRADING SCALE: Unweighted	PREREQUISITE: Culinary Essentials 1, ServSafe Certification		
<p>This intermediate culinary course is designed for students interested in exploring culinary careers, and to advance them to the next level of food preparation. The students will have the opportunity to prepare menu items that involve more detailed procedures and practice techniques used in the culinary field. Students will learn the basic skills and concepts such as knife skills, basic food prep, menu planning, nutrition, and basic culinary math.</p> <p><i>• This course meets at the Welte Education Center for 2 class periods per day. Transportation will be provided to and from FFCHS on the lab session days.</i></p> <p><i>• Culinary students will also integrate the FCCLA elite group, which will give students the opportunity to compete in culinary events at state level.</i></p> <p><i>• Students who plan to pursue the Culinary Arts through Pikes Peak Community College (PPCC), must pass with an A or B to earn credit through Pikes Peak Community College Articulation Agreement.</i></p> <p><i>• Students will have to purchase Non-slip shoes prior the beginning to any lab sessions. This is a safety requirement that will be enforced without any exceptions.</i></p>				

Culinary Arts A				08CUL
CREDIT: 1.0	COURSE LENGTH: Semester, 2 PERIODS DAILY	CREDIT TYPE: Elective		
GRADE: 10-12	GRADING SCALE: Unweighted	PREREQUISITE: Culinary Essentials 2		
<p>Culinary Arts A covers the preparation of the five mother sauces and small derived sauces. Enables students to prepare stocks, consommés, emulsified sauces, clear soups, pureed soups, chowders, national and cream soups in a commercial kitchen. Introduces gravies and sauce garnishing.</p> <p><i>• This course meets at the Welte Education Center for 2 class periods per day. Transportation will be provided to and from FFCHS on the lab session days.</i></p> <p><i>• Culinary students will also integrate the FCCLA elite group, which will give students the opportunity to compete in culinary events at state level.</i></p> <p><i>• Students who plan to pursue the Culinary Arts through Pikes Peak Community College (PPCC), must pass with an A or B to earn credit through Pikes Peak Community College Articulation Agreement.</i></p> <p><i>• Students will have to purchase Non-slip shoes prior the beginning to any lab sessions. This is a safety requirement that will be enforced without any exceptions.</i></p>				

The RESTAURANT INDUSTRY is the nation's 2nd largest private sector employer with more than 15 million people employed in 1 million locations.




Hospitality and Tourism is the 3rd largest industry in the nation.

Colorado Springs has a HUGE hospitality and tourism sector.

People love to see our beautiful home!

Culinary Arts B				08CUL	
CREDIT:	1.0	COURSE LENGTH:	Semester, 2 PERIODS DAILY	CREDIT TYPE:	Elective
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Culinary Essentials 2
<p>Culinary Arts B provides the student with the fundamentals of baking terminology, principles of baking, and the characteristics of the functions of the main ingredients that is used in bakery production. Orients student to use commercial equipment, tools, and provides the student with the fundamentals of basic yeast-raised production and quick breads, white bread, rolls, variety grain breads, specialty breads, sweet yeast-raised products, and quick bread, fundamentals of basic cake, pie, pastry, and cookie production. Enables the student to produce a variety of cakes, pies, pastries, cookies, and assorted dessert items in a commercial kitchen.</p> <ul style="list-style-type: none"> • <i>This course meets at the Welte Education Center for 2 class periods per day. Transportation will be provided to and from FFCHS on the lab session days.</i> • <i>Culinary students will also integrate the FCCLA elite group, which will give students the opportunity to compete in culinary events at state level.</i> • <i>Students who plan to pursue the Culinary Arts through Pikes Peak Community College (PPCC), must pass with an A or B to earn credit through Pikes Peak Community College Articulation Agreement.</i> • <i>Students will have to purchase Non-slip shoes prior the beginning to any lab sessions. This is a safety requirement that will be enforced without any exceptions.</i> 					

Work Based Learning FACs				08WBLFAC	
CREDIT:	1.0	COURSE LENGTH:	Semester, 2 PERIODS DAILY	CREDIT TYPE:	Elective
GRADE:	11-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Culinary Arts, Teacher Recommendation
<p>Students must be working in an internship, apprenticeship or be employed in a Family and Consumer Sciences (FACs) related field.</p>					



Teacher Cadet Career Pathway

PATHWAYS TO POSTSECONDARY WORKFORCE READINESS

CAREER PATHWAY SEQUENCE

9 TH	10 TH	11 TH	12 TH
		Teacher Cadet 1A & 1B	Teacher Cadet 2A & 2B

Course Sequence

- CSU-P Teacher Cadet 1A & 1B [1] 1 – Year
- CSU-P Teacher Cadet 2A & 2B [1] 1 – Year

Supporting Coursework

9 – 12

- Speech and Debate [.5] 1 – Semester
- Improvisational Acting [.5] 1 – Semester

11 - 12

- Early Childhood Education Aide

Related Careers

- Teacher Assistant
- Counselor
- Social Worker
- Preschool or Kindergarten Teacher
- Teacher or Instructor
- Corporate Trainer
- Parent Educator
- Superintendent
- Principal or Administrator
- Recreation Worker
- Coach
- Sign Language Interpreter
- College Professor

Post-secondary Education Options

Certifications	Certified Online Learning Facilitator Certified Professional in Learning & Performance Certified Professional in Training Management Crisis Prevention Institute First Aid & CPR
AA	Early Childhood Education General Education AS – Early Childhood AS – Elementary Education AS – Psychology of Childhood and Adolescence
BA	Teaching Online Special Education Elementary Education Secondary Education Business Management
MA	General Education Applied Behavior Analysis MSE – Special Education MS – English Language Learning and Teaching Higher Education: Student Affairs

Career and Technical Student Organization:



CSU-P Teacher Cadet				08TEACH	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective
GRADE:	11-12	GRADING SCALE:	Weighted	PREREQUISITE:	Teacher/Counselor Recommendation, 3.0 GPA
<p>This course is specifically for students that plan on going into a career in K-12 education. Teacher Cadet is an innovative, curriculum-based college level course designed to attract talented young people to the education profession through a challenging introduction to teaching. The Program seeks to provide high school students insight into the nature of teaching, the problems of schooling, and the critical issues affecting the quality of education in America's schools.</p> <p><i>Membership in FCCLA is encouraged with dues. Fundraising and other options to help pay for dues are available. Students will receive 3 college credits through CSU-Pueblo for successful completion of the class with a "C" or better. Students who earn lower than a "C" will be required to pay for the class based on CSU-P Concurrent Enrollment tuition costs.</i></p>					

Early Childhood Education Aide				08ECE	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Elective
GRADE:	11-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Counselor Recommendation, Application & Interview
<p>This course is specifically designed for students who are interested in exploring a career in Early Childhood Education. Students will work with cooperating faculty at Conrad Early Learning Center and with students ages 3- 5. Students must complete an application and interview process with Conrad Administration.</p> <p><i>Students must complete an application, interview with Conrad Administration, and pay for the appropriate background and fingerprint checks.</i></p>					

Early Childhood Education				08ECE1	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Elective
GRADE:	11-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Counselor Recommendation, Application & Interview
<p>This course is specifically designed for students who are interested in exploring a career in Early Childhood Education. 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 the development and learning of children ages birth through 8 years. Students will work with cooperating faculty at Conrad Early Learning Center and with students ages 3-5. Students must complete an application and interview process with Conrad Administration.</p> <p><i>Students must complete an application, interview with Conrad Administration, and pay for the appropriate background and fingerprint checks.</i></p>					

TECHNICAL THEATRE

Technical Theatre and Stage Craft				08TECH	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	General Elective
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Drama 1
<p>Students will gain hands-on experience in interpreting theatrical arts through the technical aspects of theatre. The course will engage students in a semester-long project that will give them experience in set design and construction, lighting and sound design, basic stage makeup design, costume and props acquisition and basic design, and production management. Units would include the following: Interpreting theatre through technical aspects, planning and budgeting for a theatrical production, designing and constructing a safe and effective set, designing lighting and sound for a production, basic makeup design, basic costuming, props, putting it all together through effective production management. Final presentations of a completed stage manager's prompt book, and giving a "tour" of their production.</p>					
<i>This course will require attendance at various after school rehearsals throughout the course of the semester.</i>					

Technical Theatre and Stage Craft 2				08TECH2	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	General Elective
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Drama 1 & Technical Theater & Stage Craft 1
<p>Students will gain advanced hands-on experience in interpreting theatrical arts through the technical aspects of theater while focusing on the perspectives of a theater and stage manager. The course will engage students in a semester-long leadership project that will give them experience in set design and construction, lighting and sound design, basic stage makeup design, costume and props acquisition and basic design, and production management. Units would include the following: Interpreting theater through technical leadership aspects, planning and budgeting for a theatrical production as a manager, designing and constructing a safe and effective set, designing lighting and sound for a production, basic makeup design, basic costuming, props, "putting it all together" through effective production management. Final presentations of a completed stage manager's prompt book, and giving a performance of their production. This course would meet Colorado's drama standards 1,2, and 3: Create, Perform, and Critically Respond.</p>					
<i>This course will require attendance at various after school rehearsals throughout the course of the semester.</i>					



PLTW: Computer Science Career Pathway

PATHWAYS TO POSTSECONDARY WORKFORCE READINESS

CAREER PATHWAY SEQUENCE

9 TH	10 TH	11 TH	12 TH
	* Biology		
	Introduction to Engineering Design A & B		
	* Chemistry 1		
	Principles of Engineering A & B		
		* Physics	
		Computer Science Principles A & B	
			Engineering Design & Development

Course Sequence

- * Biology [1] 1 – Year
- Introduction to Engineering Design A & B [1] 1 – Year
- * Chemistry 1 [1] 1 – Year
- Principles of Engineering A & B [1] 1 – Year
- * Physics [1] 1 – Year
- Computer Science Principles A & B [1] 1 – Year
- Engineering Design & Development A & B [1] 1 – Year

Supporting Coursework

9 – 10

- Algebra I [1] 1 – Year

11 – 12

- Algebra II [1] 1 – Year

* These courses are recommended by the Higher Education Admission Requirements for students planning to attend any of Colorado's public four-year colleges or universities. However, taking these courses do not guarantee admission.

Career and Technical Student Organization:



**NATIONAL
CYBERSECURITY CENTER
STUDENT ALLIANCE**

Related Careers

- Programmer Analyst
- Computer Programmer
- Software Engineer
- Computer & Information Research Scientists
- Computer Hardware Engineer
- Computer Network Architect
- Computer Support Specialist
- Computer systems Analyst
- Database Administrator
- Information Security Analyst
- Network & Computer Systems Administrator
- Software Developer
- Web Developer

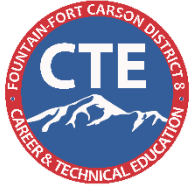
Post-secondary Education Options

Certifications C Language Certified Associate
 Chef Badges (Chef Software)
 CSSLP
 MCSD (Microsoft)
 PCP (Puppet)

AS Computer Programming
 IT: Programming and Software Development
 Software Development
 Information Technologies

BS Computer Programming
 Information Systems: Database Data Management
 Computer Science

MS Computer Programming
 Computer Science
 Computer Information Systems
 Software Engineering
 Computer and Information Science and Engineering



PLTW: Engineering Career Pathway

PATHWAYS TO POSTSECONDARY WORKFORCE READINESS

CAREER PATHWAY SEQUENCE

9 TH	10 TH	11 TH	12 TH
	Introduction to Engineering Design A & B		
	Principles of Engineering A & B		
		Computer Science Principles A & B (AP)	
		IT Clinical Internship A & B	

Course Sequence

- Introduction to Engineering Design A & B [1] – Year
- Principles of Engineering A & B [1] – Year
- Computer Science Principles A & B [1] – Year
- IT Clinical Internship A & B [1] 1 – Year

Supporting Coursework

9 – 12

- Cyber Patriot [1] 1 – Year

10 – 12

- A & B [1] – Year
- Cyber 2 A & B [1] – Year
- Computer Systems A & B [1] 1 – Year
- Networking A & B [1] 1 – Year

11 – 12

- Aerospace Engineering A & B [1] – Year

12

- Engineering Design and Development A & B [1] – Year

Career and Technical Student Organization:



Related Careers

- Mechanical Engineer
- Systems Engineer
- Engineer I/II/III - Reviewer
- Petroleum Engineer
- Agricultural Engineer
- Automotive Engineer
- Biomedical Engineer
- Chemical Engineer
- Civil Engineer
- Environmental Engineer
- Data Engineer

Post-secondary Education Options

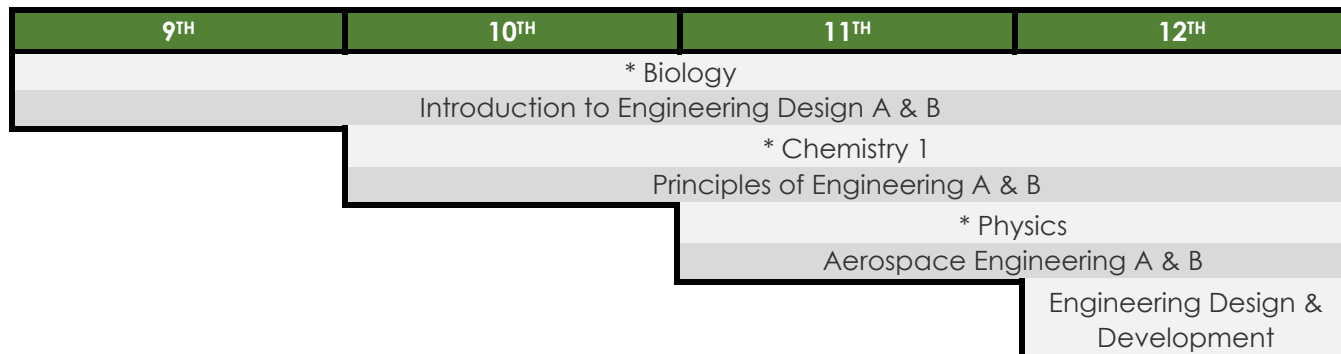
Certifications	Engineer in Training (EIT) Project Management Pro (PMP) Certified Audio Engineer (CEA) Certified Chemical Engineer Structural Engineer (SE)
AS	Engineering Engineering Science Engineering Technology Pre-Engineering Engineering Management
BS	Technology Computer Science & Information Systems IT Management IT in Network Administration
MS	Information Management Computer Science Data Science Cybersecurity Agricultural & Biological Engineering



PLTW: Aerospace Engineering Career Pathway

PATHWAYS TO POSTSECONDARY WORKFORCE READINESS

CAREER PATHWAY SEQUENCE



Course Sequence

- * Biology [1] 1 – Year
- Introduction to Engineering Design A & B [1] 1 – Year
- * Chemistry 1 [1] 1 – Year
- Principles of Engineering A & B [1] 1 – Year
- * Physics [1] 1 – Year
- Aerospace Engineering A & B [1] 1 – Year
- Engineering Design & Development A & B [1] 1 – Year

Supporting Coursework

9 – 10

- Algebra I [1] 1 – Year

11 – 12

- Algebra II [1] 1 – Year

* These courses are recommended by the Higher Education Admission Requirements for students planning to attend any of Colorado's public four-year colleges or universities. However, taking these courses do not guarantee admission.

Career and Technical Student Organization:



Related Careers

- Aerospace Engineer
- Aerospace Operations Technician
- Wind Energy Engineer
- Electrical Engineering Technician
- Sales Engineer
- Aircraft Structure, Surfaces, Rigging and Systems Assembler
- Aviation Inspector
- Tactical Operations Specialist
- Command and Control Center Specialist
- Software Developer, Systems Software
- Electronics Engineer
- Materials Engineer

Post-secondary Education Options

Certifications	Certified Senior Technology Manager ARINC Installer Fluid Power Mobile Hydraulic Technician Fluid Power Pneumatic Specialist Certified Aerospace Technician
AS	Aeronautical and Aerospace Engineering Technology Architectural Engineering Electrical and Electronic Communications Technology Mechanical Engineering
BS	Aerospace, Aeronautical and Astronautical Engineering Electrical, Electronics, and Communications Engineering Engineering & Industrial Management Mechanical Engineering
MS	Aerospace, Aeronautical and Astronautical Engineering Architectural Engineering Technology Industrial Engineering

STEM (SCIENCE, TECHNOLOGY, ENGINEERING, MATH)

Computer Science Foundations A & B				00CSF	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>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.</p>					

Coding 1 A & B				00COD1	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Computer Science Foundations A & B
<p>Coding 1 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 multistep 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. This course covers the basic building blocks of programming using the programming language Python, along with other central elements of computer science. It gives a foundation in the tools used in computer science and prepares students for further study in computer science, including AP Computer Science Principles.</p>					

Cybersecurity 1 A & B				00CYBS1	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Computer Science Foundations A & B
<p>Cybersecurity 1 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 and 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.</p>					

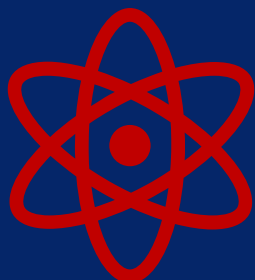
Cybersecurity 2 A & B				00CYBS2	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Cybersecurity 1 A & B
<p>Cybersecurity 2 challenges students to develop advanced skills in concepts and terminology of cybersecurity. This course builds on previous concepts introduced in Cybersecurity I while expanding the content to include malware threats, cryptography, wireless technologies and organizational security. Upon completion of this course, proficient students will demonstrate an understanding of cybersecurity ethical decisions, malware threats, how to detect vulnerabilities, principles of cryptology, security techniques, contingency plan techniques, security analysis, risk management techniques, and advanced methods of cybersecurity.</p>					

Computer Systems A & B				00CSY	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Computer Science Foundations A & B
<p>Computer Systems is an intermediate course designed to prepare students with work-related skills and aligned certification in the information technology industry. Content provides students the opportunity to acquire knowledge in both theory and practical applications pertaining to hardware, operating systems, safe mode, command prompt, security, networking, printers, peripheral devices, laptops, mobile devices, troubleshooting, and customer service management. Upon completion of the course, proficient students will have acquired skills and knowledge to install, configure, and maintain computer systems. Students who are proficient in this course will be eligible to pursue the IT industry-standard credential, CompTIA's A+ certification.</p>					

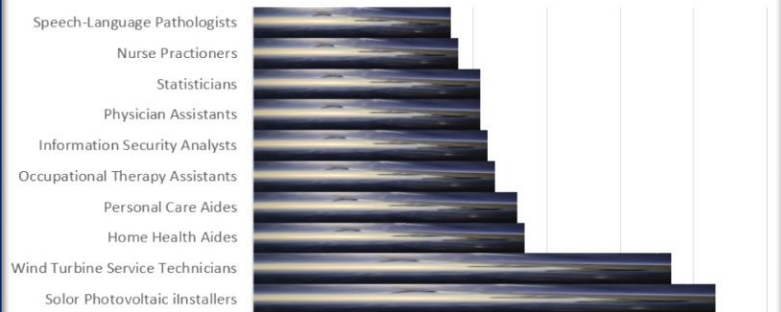
Networking A & B				00NET	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Computer Systems A & B
<p>Networking is an advanced course designed to emphasize the conceptual and practical skills necessary to design, manage, and diagnose network hardware and software. Upon completion of this course, proficient students will identify types of networks, understand the layers of the open systems interconnection (OSI) model, prevent security risks, and apply troubleshooting theory to the successful execution of networking tasks. Course content covers transmission control protocol, internet protocol, wired and wireless topologies, switching and routing, network hardware, wireless networking, and network operating systems (NOS). Upon completion of this course, proficient students will be prepared to sit for the CompTIA Network+ exam.</p>					

PLTW: Introduction to Engineering Design A & B				00IED	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>Through both individual and collaborative team activities, projects, and problems, students will solve problems as they practice common engineering design and development protocols such as project management and peer review. Students will develop skill in technical representation and documentation of design solutions according to accepted technical standards, and they will use current 3D design and modeling software to represent and communicate solutions. In addition, the development of computational methods that are commonly used in engineering problem solving, including statistical analysis and mathematical modeling, are emphasized. Ethical issues related to professional practice and product development are also presented.</p>					

PLTW: Principles of Engineering A & B				00POE	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective
GRADE:	10-12	GRADING SCALE:	Weighted	PREREQUISITE:	Introduction to Engineering Design A&B (IED)
<p>Principles of Engineering (POE) is a foundation course of the high school engineering pathway. This survey course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of materials and structures, automation, and kinematics. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology.</p>					



FASTEST-GROWING OCCUPATIONS



■ The 10 jobs with the highest percentage change of employment between 2018 and 2028

PLTW: Computer Science Principles A & B (AP)				00CSPAP	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective
GRADE:	11-12	GRADING SCALE:	Weighted	PREREQUISITE:	IED, POE, or Teacher Recommendation
<p>Computer Science Principles (CSP) is a PLTW course to implement the College Board's new AP CS Principles framework. Students work in teams to develop computational thinking and solve problems. The course does not aim to teach mastery of a single programming language but aims instead to develop computational thinking, to generate excitement about the field of computing, and to introduce computational tools that foster creativity. The course also aims to build students' awareness of the tremendous demand for computer specialists and for professionals in all fields who have computational skills. Each unit focuses on one or more computationally intensive career paths. The course also aims to engage students to consider issues raised by the present and future societal impact of computing.</p>					
<p><i>An Exam fee is required for students in AP classes. Each AP exam is \$94, with a discount for students receiving free or reduced lunch. All students enrolled in AP classes are required to take the course AP exam in May. Additional fees may be assessed if the course is dropped after October 1st.</i></p>					

PLTW: Aerospace Engineering A & B				00AERO	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective
GRADE:	11-12	GRADING SCALE:	Weighted	PREREQUISITE:	IED, POE, or Teacher Recommendation
<p>The course deepens the skills and knowledge of an engineering student within the context of atmospheric and space flight. Students explore the fundamentals of flight in air and space as they bring the concepts to life by designing and testing components related to flight such as an airfoil, propulsion system, and a rocket. They learn orbital mechanics concepts and apply these by creating models using industry-standard software. They also apply aerospace concepts to alternative applications such as a wind turbine and parachute. Students will have the opportunity to complete flight simulations to model in flight.</p>					

PLTW: Engineering Design and Development A & B				00EDD	
CREDIT:	1.5	COURSE LENGTH:	Semester, 2nd Sem	CREDIT TYPE:	Academic Elective
GRADE:	12	GRADING SCALE:	2 PERIODS DAILY Weighted	PREREQUISITE:	IED, POE and APCSP or AE
<p>Engineering Design and Development (EDD) is the capstone course in the PLTW high school engineering program. It is an open-ended engineering research course in which students work in teams to design and develop an original solution to a well-defined and justified open-ended problem by applying an engineering design process. This course meets for one period daily during 1st semester and two periods daily during 2nd semester.</p>					

IT Clinical Internship A & B				00ITCI	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective
GRADE:	10-12	GRADING SCALE:	Weighted	PREREQUISITE:	Computer Science Foundations A/B and either: 1. Computer Systems A/B and Networking A/B or 2. Cyber 1 A/B and Cyber 2 A/B or 3. Coding 1 A/B and AP Computer Science
<p>IT Clinical Internship is a capstone course and work-based learning experience designed to provide students with real-world application of skills and knowledge obtained in previous Networking Systems courses. Students are eligible to take the IT Clinical Internship if they have successfully completed all the prerequisites in the Networking Systems program of study. The internships are designed to be completed in an IT Support environment, such as the student's school, a community-based shop that provides IT Support, or the IT Support department of a local business. This course puts to practical use all the skills attained in previous courses, and provides the student with valuable hands-on experience.</p>					



Coding Career Pathway

PATHWAYS TO POSTSECONDARY WORKFORCE READINESS

CAREER PATHWAY SEQUENCE

9 TH	10 TH	11 TH	12 TH
Computer Science Foundations A & B			
	Coding 1 A & B		
	IT Clinical Internship A & B		

Course Sequence

- Computer Science Foundations A & B [1] – Year
- Coding 1 A & B [1] – Year
- IT Clinical Internship A & B [1] 1 – Year

Supporting Coursework

9 – 12

- Cyber Patriot [1] 1 – Year

10 – 12

- Cyber 1 A & B [1] – Year
- Cyber 2 A & B [1] – Year
- Computer Systems A & B [1] 1 – Year
- Networking A & B [1] 1 – Year

Related Careers

- Programmer Analyst
- Computer Programmer
- Software Engineer
- Computer & Information Research Scientists
- Computer Hardware Engineer
- Computer Network Architect
- Computer Support Specialist
- Computer systems Analyst
- Database Administrator
- Information Security Analyst
- Network & Computer Systems Administrator
- Software Developer
- Web Developer

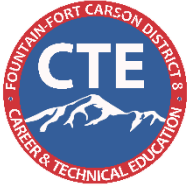
Post-secondary Education Options

Certifications	C Language Certified Associate Chef Badges (Chef Software) CSSLP MCSD (Microsoft) PCP (Puppet)
AS	Computer Programming IT: Programming and Software Development Software Development Information Technologies
BS	Computer Programming Information Systems: Database Data Management Computer Science
MS	Computer Programming Computer Science Computer Information Systems Software Engineering Computer and Information Science and Engineering

Career and Technical Student Organization:



**NATIONAL
CYBERSECURITY CENTER
STUDENT ALLIANCE**



Cybersecurity Career Pathway

PATHWAYS TO POSTSECONDARY WORKFORCE READINESS

CAREER PATHWAY SEQUENCE

9 TH	10 TH	11 TH	12 TH
Computer Science Foundations A & B			
	Cyber 1 A & B		
	Cyber 2 A & B		
	IT Clinical Internship A & B		

Course Sequence

- Computer Science Foundations A & B [1] – Year
- Cyber 1 A & B [1] – Year
- Cyber 2 A & B [1] – Year
- IT Clinical Internship A & B [1] 1 – Year

Supporting Coursework

9 – 12

- Cyber Patriot [1] 1 – Year

10 – 12

- Coding 1 A & B [1] 1 – Year
- Computer Systems A & B [1] 1 – Year
- Networking A & B [1] 1 – Year

Related Careers

- Cybersecurity Specialist/Technician
- Cyber Crime Analyst/Investigator
- Incident Analyst/Responder
- IT Auditor
- Cybersecurity Analyst
- Cybersecurity Consultant
- Penetration and Vulnerability Tester
- Cybersecurity Manager/Administrator
- Cybersecurity Engineer
- Cybersecurity Architect
- IT Security Engineer
- Security Systems Administrator
- Chief Information Security Officer

Post-secondary Education Options

Certifications ComptTIA Security+
 CISSP
 Certified Ethical Hacker
 Certified Cloud Security Pro
 Certified Information Systems Auditor
 Certified Information Security Manager

AS Information Technology
 Criminal Justice & Criminology
 Cybersecurity/Information Assurance
 Network Security/Administration
 Computer Forensics

BS Cybersecurity
 Information Technology
 IT – Cybersecurity
 Information Assurance & Cybersecurity

MS Cybersecurity
 Information and Cybersecurity
 Cybersecurity Policy and Management
 Network Security Systems Analysis

Career and Technical Student Organization:



**NATIONAL
 CYBERSECURITY CENTER
 STUDENT ALLIANCE**



Computer Systems & Networking Career Pathway

PATHWAYS TO POSTSECONDARY WORKFORCE READINESS

CAREER PATHWAY SEQUENCE

9 TH	10 TH	11 TH	12 TH
	Computer Systems A & B		
	Computer Systems A & B		
	Networking A & B		
	IT Clinical Internship A & B		

Course Sequence

- Computer Science Foundations A & B [1] – Year
- Computer Systems A & B [1] – Year
- Networking A & B [1] – Year
- IT Clinical Internship A & B [1] – Year

Supporting Coursework

9 – 12

- Cyber Patriot [1] – Year

10 – 12

- Coding 1 A & B [1] – Year
- Cyber 1 A & B [1] – Year
- Cyber 2 A & B [1] – Year

Related Careers

- Cybersecurity Specialist/Technician
- IT Auditor
- Network Engineer
- Network and Communications Engineer
- Network Operations Lead
- Software Engineer
- Computer Systems Specialist
- Computer & Information Systems Manager
- Computer Systems Analyst
- PC Technician
- Computer Scientist
- Global Quality Computer Systems Manager
- Graphical Software Developer
- Network Designer
- Network Architect

Post-secondary Education Options

Certifications Computer Systems & Network Technology
 CompTIA A+
 CompTIA Network+
 Computer Support Technology Data/Telecommunications
 Microsoft Systems & Networks

AS Technology
 IT – Network Engineering
 IT – System Administrator
 Networking Administration

BS Telecommunication Systems and Computer Networks
 Engineering in Information Engineering
 Programming and Internet Technologies

MS Network Management
 Network Systems
 Cloud & Network Infrastructures
 Computer Systems & Networks

Career and Technical Student Organization:



**NATIONAL
 CYBERSECURITY CENTER
 STUDENT ALLIANCE**

WOODS AND METALS

Construction 1A				08CONSTRUCT1A	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Elective
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>This beginning construction class introduces woodworking skills and basic drafting concepts; as well as basic building materials, components, methods, and sequences in residential construction. Students will study theory and practices of building for a range of industry trades and gain knowledge of a variety of industry careers. The course includes in-depth instruction on hand, power, and stationary tools. It is designed to give students basic, entry-level skills in construction and related trades along with an overview of the multitude of career opportunities available. Students will develop knowledge of building trade safety, construction math, tools and construction materials, and employability. Emphasis is placed on safety and the proper use of both hand and power tools. Students will also be introduced to the ICC-700 National Green Building Standards, as well as the Pre-Apprenticeship Certificate Training (PACT) curriculum and the Skill Achievement Records (SARs) process for certification.</p>					

Construction 1B				08CONSTRUCT1B	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Elective
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Construction 1A OR Instructor Recommendation
<p>This course focuses on the fundamentals of structural design and framing. Students will learn the construction and finish of roofs, walls, windows, doors, stairs, and more in an Home Builder Institute (HBI) pre-apprentice carpentry program. Students will identify common materials used in carpentry. They will learn to use hand and power tools safely to cut and mold material into specific shapes. Students will develop essential knowledge on construction codes, reading blueprints, and preparing for the inspection process. They will explore work-based learning with vocational and academic skills training. Related academics (contextual learning), industry-focused job readiness, employability skills, career development, life skills, and on-the-job training are all part of PACT. This includes an Occupational Safety and Health Administration (OSHA) 10-hour Safety Certification for Construction.</p>					
Recommendation: Passed Construction 1A with \geq B					

Construction 2				08CONSTRUCT2	
CREDIT:	1.0	COURSE LENGTH:	Year, 2 PERIODS DAILY	CREDIT TYPE:	Elective
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Construction 1A&B OR Instructor Recommendation
<p>Students narrow their focus and choose a specific trade. Students learn the skills and techniques required of an entry-level professional. Students also might have the ability to start work-based learning that provides an environment to apply the knowledge they've gained over the last few years on an actual job site.</p>					
Recommendation: Passed Construction 1B with \geq B					

Woods 2/Furniture Building				08FURN	
CREDIT:	1.0	COURSE LENGTH:	Semester, 2 PERIODS DAILY	CREDIT TYPE:	Elective
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Woods 1
<p>Skills and information learned in Woods 1 are further improved and applied in the design and construction of a piece of furniture. More time will be spent in the shop on student-selected, teacher-approved projects than on lecture. Students will learn to identify, select, and properly build the various types of joints that are used in the construction of furniture. Students will propose a project, draw a working plan, and accurately calculate the cost of the necessary materials. Students will demonstrate mastery of safety procedures and shop etiquette. Students will independently build a professional-grade piece of furniture. Shop fees will depend on projects chosen by the students.</p>					
Recommendation: Passed Woods with \geq B					
<i>This semester course meets for two periods a day. Students may enroll in this class repeatedly for credit.</i>					

Metals I				08MTL1	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Elective
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>Metals I is an introductory course offered to students with an interest in metal working. In this course, students will learn about shop and tool safety, measurement, how to draw and plan projects, and the tools used for working with metals (including the MIG welder). They will use those tools and develop skills to plan for and to cut, bend, and connect metal to construct a required and an approved project. Additionally, students must pass the safety assessment before they are allowed to do any shop work.</p> <p><i>All students in this course will be required to wear eye protection at all times in accordance with Colorado state law.</i></p>					

Welding				08WELD	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Elective
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Metals I, Application, Teacher Recommendation
<p>The Welding course is an advanced class designed to allow students to take the basic knowledge about metals and welding learned in the Metals I class and expand techniques specifically related to welding. Students will learn and practice shielded metal arc welding, gas metal arc welding, and gas tungsten arc welding. Students will also learn to safely and effectively operate other shop equipment required to prepare and finish materials for welding. This is a welding intensive course where students will learn technical information and skills about each type of welding and will learn to weld proficiently in multiple positions for each discipline. Candidates must qualify for Welding with exemplary work ethic and above average performance in Metals 1. Additionally, there is a \$40 fee for this course, and students must pass the safety assessment before they are allowed to do any shop work. All students in this course will be required to wear eye protection at all times in accordance with Colorado state law. Students must submit an application for approval.</p> <p><i>There is a \$40 fee for this course and students may have to purchase materials for approved projects. All students in this course are required to wear eye protection at all times in accordance with Colorado state law. Students must submit an application and be approved to register for this class.</i></p>					

Metals II				08MTL2	
CREDIT:	1.0	COURSE LENGTH:	Semester, 2 PERIODS DAILY	CREDIT TYPE:	Elective
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Metals I AND Welding, Application, Teacher Recommendation
<p>Metals II is designed for advanced students and provides them an opportunity to apply the information and skills learned in the Metals I and Welding courses to construct projects. Students in advanced metals course will use previously used tools and learned skills as well as new techniques to construct approved projects. Candidates must qualify for Metals II with exemplary work ethic and above average performance in the Metals I and Welding courses. Students will come to course prepared with multiple, complex project ideas and a commitment to work hard every day. Additionally, students must pass the safety assessment before they are allowed to do any shop work.</p> <p><i>There is a \$40 fee for this course and students may have to purchase materials for approved projects. All students in this course will be required to wear eye protection at all times in accordance with Colorado state law. Students must submit an application and be approved to register for this class.</i></p>					

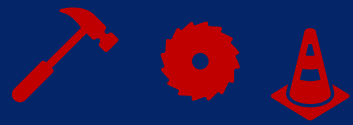
FACT

THERE ARE A LOT OF JOBS THAT INVOLVE USING TECHNOLOGY IN THE SKILLED TRADES

THERE ARE SO MANY JOBS IN THE SKILLED TRADES AVAILABLE THAT PAY WELL

YOU CAN GET PAID TO LEARN SCHOOL MAY BE FREE

A LOT OF JOBS IN THE SKILLED TRADE HAVE 'JOB SECURITY'



JOB SATISFACTION IS HIGH IN THE SKILLED TRADES



JROTC Career Pathway

PATHWAYS TO POSTSECONDARY WORKFORCE READINESS

CAREER PATHWAY SEQUENCE

9 TH	10 TH	11 TH	12 TH
	JROTC 1 (LET 1)		
	JROTC Rifle		
	JROTC 2 (LET 2)		
	JROTC 3 – 4 (LET 3 – 4)		
	JROTC Drill		
	JROTC Staff Development		

Course Sequence

- JROTC 1 (LET 1) [1] 1 – Year
- JROTC 2 (LET 2) [1] 1 – Year (prereq: JROTC 1)
- JROTC 3 – 4 (LET 3 – 4) [1] 1 – Year (prereq: JROTC 1)
- JROTC Rifle [1] 1 – Year (prereq: Rifle Summer Camp)
- JROTC Drill [1] 1 – Year
- JROTC Staff Development [1] 1 – Year

Supporting Coursework

- Speech and Debate [.5] 1 – Semester
- Competitive Speech and Debate [.5] 1 – Semester

Related Careers

- JROTC teaches the professional skills that are required for most careers.
- JROTC provides foundational skills to support student's enlistment into the military.

Career and Technical Student Organization:



Student participating and passing a full-year of JROTC will be allowed to waive the AVID following:

JROTC 1/Let 1 Rifle = 0.5 PE waiver JROTC 3/Let 4 Rifle = 1.0 PE waiver or 1.0 Academic Elective
 JROTC 2/Let 2 Rifle = 1.0 PE waiver JROTC 4/Let 4 Rifle = 1.0 PE waiver or 1.0 Academic Elective

JROTC 1 (LET 1)		08ROTC1a/08ROTC1b	
CREDIT: 1.0	COURSE LENGTH: Year	CREDIT TYPE: Elective	
GRADE: 9-12	GRADING SCALE: Unweighted	PREREQUISITE: None	
<p>The purpose of Junior ROTC is to motivate high school students to become better citizens. The LET 1 course is a one-year course. The curriculum includes instruction in leadership, citizenship, communication, history, life management skills, and physical fitness. Cadets are required to wear the uniform once a week. Cadets are also required to march in one off campus parade a year to receive credit. All uniforms, textbooks and curriculum materials are provided at no cost to the students. Optional extracurricular opportunities exist for the drill team, rifle team, saber team, color guard, honor guard and raider team. Cadets who excel will be considered to attend the one-week summer camp during the month of June each summer. Students may be dropped from the course by the Senior Army Instructor for disciplinary reasons outlined in Cadet Command Regulation 145-2.</p>			

JROTC 2 (LET 2)		08ROTC2	
CREDIT: 1.0	COURSE LENGTH: Year	CREDIT TYPE: Elective	
GRADE: 10-12	GRADING SCALE: Unweighted	PREREQUISITE: JROTC 1	
<p>This course builds on the material presented in JROTC 1. Cadets begin to assume leadership roles and receive additional instruction in leadership, responsibility, management and integrity. In addition to more in-depth instruction in the core JROTC curriculum subjects, electives are introduced to further challenge the cadets. Cadets continue to elevate in rank and assume more challenging roles in the cadet program. Cadets are required to wear the uniform once a week and march in one off campus parade during the school year to receive credit. Students may enroll in this course repeatedly for credit. Students may be dropped from the course by the Senior Army Instructor for disciplinary reasons outlined in Cadet Command Regulation 145-2.</p>			

JROTC 3-4 (LET 3-4)		08ROTC34	
CREDIT: 1.0	COURSE LENGTH: Year	CREDIT TYPE: Elective	
GRADE: 10-12	GRADING SCALE: Unweighted	PREREQUISITE: JROTC 1, Teacher Recommendation	
<p>Cadets interested in becoming a part of the cadet staff must seek and gain permission from the Senior Army Instructor before they enroll for this course. Cadets in the staff development course receive instruction on the administrative, training and logistical functions that must be accomplished on a daily basis to run the JROTC unit. Cadets are required to march in one off campus parade during the school year as well as wear the uniform once a week to receive credit. Students may enroll in this course repeatedly for credit. Students may be dropped from the course by the Senior Army Instructor for disciplinary reasons outlined in Cadet Command Regulation 145-2.</p>			



	National Average for Schools	National Average for JROTC Students
Attendance	90.29%	93.54%
Graduation	83%	93.98%
Poor Behavior	5.2%	1.7%
Dropout Rate	8%	Less than 1%
GPA	2.72	2.91

JROTC Rifle

08RIFLE

CREDIT: 1.0 COURSE LENGTH: Year CREDIT TYPE: Elective

2 PERIODS DAILY

GRADE: 9-12 GRADING SCALE: Unweighted PREREQUISITE: JROTC 1, Teacher Recommendation

Cadets interested in this course must obtain permission from the Army Instructor Rifle Coach before they enroll. Cadets entering this course are expected to participate all year. There are summer time course requirements for this course. Cadets may be dropped from this course and re-enrolled in another JROTC LET 1-4 course at semester end if they fail to participate and meet course requirements as outlined in the course syllabus. Cadets assume leadership roles as peer instructors and perform duties in various leadership positions. In addition, cadets receive instruction in leadership, responsibility, supply accountability, record management, integrity and instructional methods. In addition, the cadet will receive in-depth instruction into advance competitive marksmanship skills as well as more in-depth instruction in the core JROTC curriculum subjects, while competing in Sporter Program (7th Period) or Precision Program (8th Period). Cadets are accepted into the Precision Shooting program based on their performance in Sporter and program availability. The Army Instructor determines which cadets participate in the Precision Shooting Program of Instruction. Cadets are required to participate in 80% or more of scheduled rifle matches held each school year or 80% of the matches they qualify for each school year to receive credit. Cadets will represent the school in numerous out of state competitions that are national level. Cadets will learn public speaking and media interview techniques as well as social media management of their performances. Cadets continue to elevate in rank and assume challenging roles within the JROTC program. Cadets may enroll in this course repeatedly for credit as LET 2-4 with Army Instructor approval. LET 1 cadets may be accepted based on course availability and after the first semester of their LET 1 School Year. Students may be dropped from the course by the Senior Army Instructor for disciplinary reasons outlined in Cadet Command Regulation 145-2.

JROTC Staff Development

08ROTCST

CREDIT: 1.0 COURSE LENGTH: Year CREDIT TYPE: Elective

GRADE: 10-12 GRADING SCALE: Unweighted PREREQUISITE: JROTC 1 and permission from the Senior Army Instructor

Cadets interested in becoming a part of the cadet staff must seek and gain the permission of the Senior Army Instructor before they enroll for this course. Cadets assume leadership roles as the battalion command team and battalion staff. Cadets in the staff development course receive instruction on the administrative, training and logistical functions that must be accomplished on a daily basis to run the JROTC unit. Cadets selected to work on staff will be required to participate in a variety of events that support the school throughout the year and to include summers and multiple weekends. Cadets may be selected at the end of first semester to enter the course at the beginning of second semester. Students may be dropped from the course by the Senior Army Instructor for disciplinary reasons as outlined in Cadet Command Regulation 145-2.

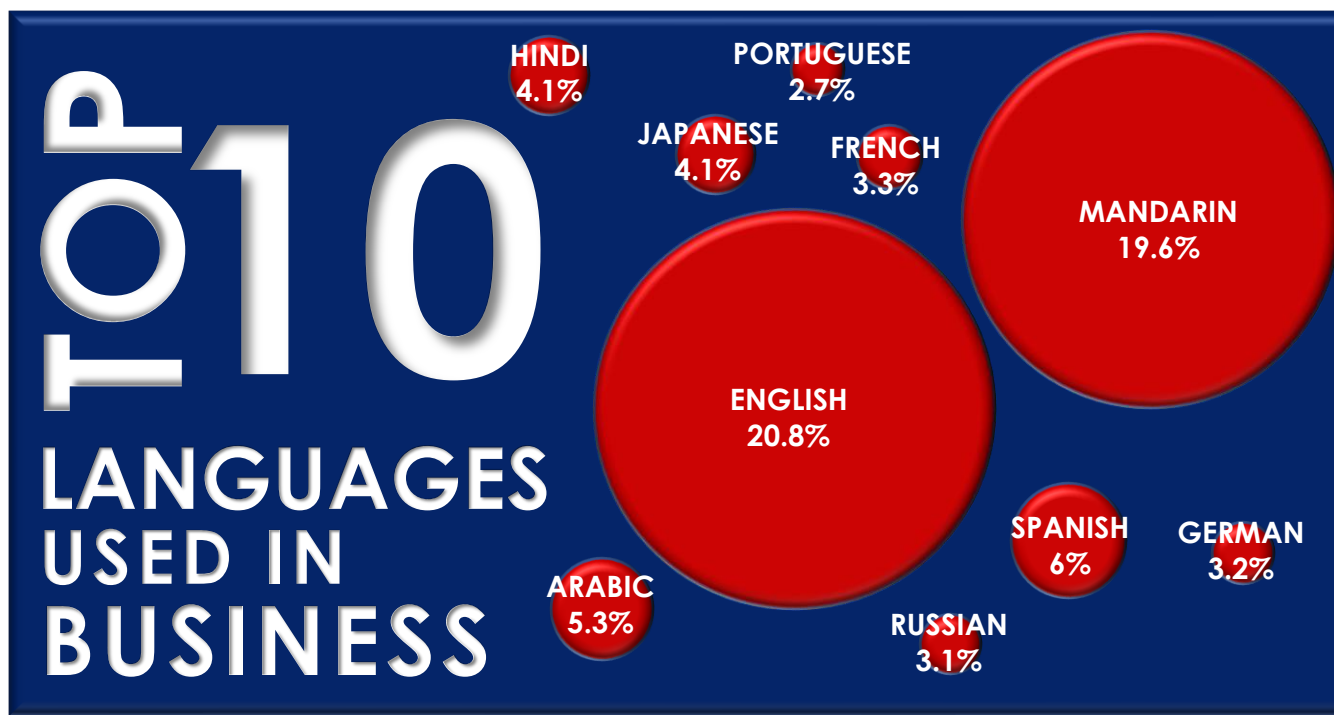
WORLD LANGUAGE

The University of Colorado system requires 2 or 3 units (4 or 6 semesters) of the same language for admission standards for all students. Units required are dependent on the branch of the university and the specific program.

German 1				05GERM1A/05GERM1B	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	World Language (NCAA Approved)
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>This class is not intended for students that use German at home daily and can already demonstrate language proficiency at the novice-mid level or above according to the American Council on the Teaching of World Languages (ACTFL) guidelines. It is designed to take novice-low language learners to the novice-mid proficiency level with the study of basic communicative German language and culture through reading, writing, listening, and speaking. Students learn to use German through a variety of activities including individual and pair work as well as projects and presentations. Students will be assessed through reading, writing, speaking, and listening. Grammar and vocabulary study outside of class as well as a professional and responsible attitude are essential to success in any second language.</p>					

German 2				05GERM2A/05GERM2B	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	World Language (NCAA Approved)
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	German 1 or Teacher Approval
<p>It is suggested that students enrolling in German II have a grade of "C" or higher in German I. Students continue to expand their vocabulary and learn more complicated grammatical concepts. The emphasis is still on the actual use of the language, but on a more sophisticated level. Some very simple literary selections are introduced, and an appreciation and understanding of German culture is a continuing goal.</p>					

German 3				05GERM3A/05GERM3B	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	World Language (NCAA Approved)
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	German 2 or Teacher Approval
<p>It is suggested that students enrolling in German III have a grade of "B" or higher in German II. Students continue to expand their vocabulary and learn more complicated grammatical concepts. The emphasis is still on the actual use of the language, but on a more sophisticated level. Some very simple literary selections are introduced, and an appreciation and understanding of German culture is a continuing goal. In German III, the focus begins to shift from learning the language to using the language to learn about other topics. Students will continue to fine tune their grammar, speaking, and writing skills. The main focus of the course is student production of the language.</p>					



Spanish 1		05SPAN1A/05SPAN1B	
CREDIT: 1.0	COURSE LENGTH: Year	CREDIT TYPE: World Language (NCAA Approved)	
GRADE: 9-12	GRADING SCALE: Unweighted	PREREQUISITE: None	
<p>This class is not intended for heritage learners that speak Spanish at home and can already demonstrate language proficiency at the novice-mid level according to the American Council on the Teaching of World Languages (ACTFL) guidelines. It is designed to take novice-low language learners to the novice-mid proficiency level with the study basic communicative Spanish language and culture through reading, writing, listening, and speaking. Students learn to use Spanish through a variety of activities including individual and pair work as well as projects and presentations. Students will be assessed through reading, writing, speaking, and listening. Grammar and vocabulary study outside of class as well as a professional and responsible attitudes are essential to success in any second language.</p>			

Spanish 2		05SPAN2A/05SPAN2B	
CREDIT: 1.0	COURSE LENGTH: Year	CREDIT TYPE: World Language (NCAA Approved)	
GRADE: 10-12	GRADING SCALE: Unweighted	PREREQUISITE: Spanish 1 or Teacher Approval	
<p>It is suggested that students enrolling in Spanish II have a grade of "C" or higher in Spanish I. This course is designed to take students from a novice-mid to novice-high level of language proficiency according to the American Council on the Teaching of World Languages (ACTFL) guidelines. In Spanish II, students continue to expand their vocabulary and learn more complicated grammatical concepts. The emphasis is on the actual use of the language, requiring students to build skills that will enable them to move from language recognition to production. Some very simple literary selections are introduced, and an appreciation and understanding of Hispanic culture is a continuing goal.</p>			

Spanish 3		05SPAN3A/05SPAN3B	
CREDIT: 1.0	COURSE LENGTH: Year	CREDIT TYPE: World Language (NCAA Approved)	
GRADE: 10-12	GRADING SCALE: Unweighted	PREREQUISITE: Spanish 2 or Teacher Approval	
<p>It is suggested that students enrolling in Spanish III have a grade of "B" or higher in Spanish II. In Spanish III, the goal is to move students from a novice-high to an intermediate-low language proficiency level according to the American Council on the Teaching of World Languages (ACTFL) guidelines. The focus begins to shift from learning the language to using the language to learn about other topics. Students will continue to fine tune their grammar, speaking, and writing skills. The focus of the course is student production of the language.</p>			

Spanish 4		05SPAN4	
CREDIT: 1.0	COURSE LENGTH: Year	CREDIT TYPE: World Language	
GRADE: 10-12	GRADING SCALE: Weighted	PREREQUISITE: Spanish 3 or Teacher Approval	
<p>It is suggested that students enrolling in Spanish IV have a grade of "B" or higher in Spanish III or teacher recommendation. This course is an advanced Spanish offering for weighted credit designed to help students reach the intermediate-mid proficiency level according to the American Council on the Teaching of Foreign Languages (ACTFL) guidelines. Spanish IV focuses on the five "C's" of communication: Communications, Cultures, Connections, Comparisons, and Communities. To address these components, more emphasis will continue to be placed on communication in Spanish, both oral and written. Also, listening and reading skills will be refined.</p>			
<p>**CSU-Pueblo credit is offered for students who wish to receive 3 college credits through CSU-Pueblo for successful completion of the class with a "C" or better. Students who earn lower than a "C" will be required to pay for the class based on CSU-P Concurrent Enrollment tuition costs.</p>			
<p>***CSU-Pueblo Courses are as follows: SPN201 (0.5 FFCHS semester credit) & SPN 202 (0.5 FFCHS semester credit). CSU-Pueblo requires additional documentation, teacher approval and parent approval for 10th grade.</p>			

BENEFITS TO JOB PROSPECTS FROM KNOWING A 2ND LANGUAGE

**INCREASED
BRAIN POWER**

**EXTRA JOB
OPPORTUNITIES**

**BOOSTED
CREATIVITY**



**YOU CAN EARN
MORE \$\$\$**

**BETTER CHANCE OF
LANDING A JOB**

Students participate and pass 2 full years of JROTC will be allowed to waive 1 Physical Education credit.

- ✓ Students participating and completing 2 seasons of Marching Band will be allowed to waive 1 Physical Education credit.
- ✓ All students must complete Health as a graduation requirement.

Health				11HLTH	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Physical Education (Health Req)
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>The Health Course is required for graduation and, ideally, should be taken in 9th grade. This course consists of risk assessment, self-assessment, communication, decision-making, goal setting, health advocacy, health self-management, sexuality and relationships, and proper nutrition.</p>					

Team Sports				07TEAM	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Physical Education
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>Team Sports/Lifetime Activities is designed to teach students recreational activities that can be done throughout their lives. Students who sign up for this class will have the opportunity to participate in several different activities on a bi-weekly basis. However, students will still regularly perform fitness-based activities outside of their normal unit. Although there will be a focus on team sports/gameplay, fine motor skills, and game play strategies, at its core, this is a fitness course with an introductory emphasis on the physiology of exercise and the implementation of those concepts. We will introduce these fitness concepts through recreational activities, a focus on sportsmanship, and a number of different fitness-focused activities.</p>					

Advanced Team Sports				07ATS	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Physical Education
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Team Sports
<p>This course builds on the concepts/skills presented in Team Sports. Team Sports/Lifetime Activities is designed to teach students recreational activities that can be done throughout their lives. Students who sign up for this class will have the opportunity to participate in several different activities on a bi-weekly basis. However, students will still regularly perform fitness-based activities outside of their normal unit. Although there will be a focus on team sports/gameplay, fine motor skills, and game play strategies, at its core, this is a fitness course with an introductory emphasis on the physiology of exercise and the implementation of those concepts. We will introduce these fitness concepts through recreational activities, a focus on sportsmanship, and a number of different fitness-focused activities.</p>					

Sports Officiating and Management				07SOAM	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Physical Education
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>This course will provide students with the opportunity to learn the rules, regulations, scoring and officiating of a variety of sports. This is a course that requires a prerequisite of Intro to PE and will provide an additional elective credit for upperclassman that have already met the PE requirements to graduate. This course will introduce scoring and officiating to a variety of sports to allow students to be able to gain knowledge and experience to potentially work in this type of setting. The students will have the opportunity to be certified to score and officiate games at different levels. This course will also provide the students with opportunities to get community service hours. Some of the sports that will be covered in this course include football, basketball, baseball/softball, volleyball, soccer, and more. Students will receive a hands-on approach to learning the rules and regulations of these sports, as well as the skills and experience of scorekeeping and officiating these sports. They will have the opportunity to gain experience within the community at different locations, including but not limited to the YMCA, SoCo Gyms, and gyms on Fort Carson, as well as here at the high school. The students will be graded and evaluated on their knowledge and skill level. They will be given a written test in addition to their evaluations from in-game situations. There will also be a requirement of developmental hours to develop their skills in a hands-on environment of officiating and scorekeeping in the respective sports. The students will be evaluated by the teacher as well as by their on-site mentor.</p>					

Aerobic/Yoga/Fitness				07AYF	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Physical Education
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>This course will explore the benefits of fitness through aerobic exercises, yoga, and other general fitness activities. Students will have a variety of activities which covers their general fitness and health as well as personal goals of fitness. The course will cover the benefits of aerobics by giving the students structured programs which highlight fitness and wellness. We will be incorporating a variety of aerobic exercises which will help students develop a higher fitness level.</p>					

Aerobics, Yoga and Fitness II				07AYF2	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Physical Education
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Aerobics, Yoga and Fitness (AYF) I
<p>This course will build upon prior knowledge from the previous AYF course. The benefits of fitness through aerobic exercises, yoga, and other general fitness activities will be covered in an advanced setting. Students will have a variety of activities which covers their general fitness and health as well as personal goals of fitness. The course will cover the benefits of aerobics by giving the students structured programs which highlight fitness and wellness. We will be incorporating a variety of aerobic exercises which will help students develop a higher fitness level.</p>					

Introduction to Weight Training & Cardio Fitness				07IWT	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Physical Education
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>This course will build upon prior knowledge from the previous AYF course. The benefits of fitness through aerobic exercises, yoga, and other general fitness activities will be covered in an advanced setting. Students will have a variety of activities which covers their general fitness and health as well as personal goals of fitness. The course will cover the benefits of aerobics by giving the students structured programs which highlight fitness and wellness. We will be incorporating a variety of aerobic exercises which will help students develop a higher fitness level.</p>					

Adv. Weight Training & Cardio Fitness				07AWT	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Physical Education
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Introduction to Weight Training & Cardio Fitness
<p>This course is a continuation of beginning weight training. This course will have advanced technical Olympic style lifts in addition to the traditional weight training lifts. The students will receive an expansion of knowledge on how the muscles perform and the effects exercise has on the body. Students will apply these principles to develop an individual fitness plan and work towards their goals during class. Students will develop responsible behavior work ethic through daily independent workouts.</p>					

Cross Fit				07CFIT	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Physical Education
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Introduction to Weight Training & Teacher Approval
<p>This course is a continuation of beginning weight training. This course will have advanced technical Olympic style lifts in addition to the traditional weight training lifts. The students will receive an expansion of knowledge on how the muscles perform and the effects exercise has on the body. Students will apply these principles to increase overall athleticism and cardiovascular fitness.</p>					

Women's Weight Training & Cardio Fitness				07WGTW	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Physical Education
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>This course will be in an introduction to weight lifting and cardiovascular fitness. Students will get an overview of muscular function, how muscles work, how they grow, and the nutrition necessary to propel muscular growth while burning fat. Students will learn proper safety techniques which will give them the knowledge needed to exercise throughout a lifetime.</p>					

Athletic Weights				07ATH1WGT	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Physical Education
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Teacher Recommendation
<p>This course is designed for male athletes who are actively involved in a high school sport. This course will provide knowledge and skills that will enhance their performance and their longevity as an athlete. This course is designed on the following aspects:</p> <ul style="list-style-type: none"> ✓ Injury Prevention- prevent non-contact injuries by strengthening the core and other muscles ✓ Strength Development- Strength performance, speed enhancement drills, agility drills, ladder drills, and plyometrics ✓ Cardiovascular Fitness- aerobic/anaerobic exercises or activities as well developing muscular and joint flexibility. ✓ Additional Items: Students will also be exposed to several concepts in anatomy, physiology, and kinesiology. They will need to complete written assignments as part of their grade. Pre and post testing for the main core lifts and Fitness Testing must also be completed by showing improvement in all areas. ✓ Nutrition: We will also cover Sports Nutrition specific for the male athletes and the importance of fueling your body in the proper way. (Your performance is directly related to your nutrition habits) ✓ College Recruiting: we will go over items relevant to college recruiting and the process of playing at the next level. 					

Women's Athletic Weights				07ATH2WGT	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Physical Education
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Teacher Recommendation
<p>This course is designed for female athletes who are actively involved in a high school sport. This course will provide knowledge and skills that will enhance their performance and their longevity as an athlete. This course is designed on the following aspects:</p> <ul style="list-style-type: none"> ✓ Injury Prevention- prevent non-contact injuries by strengthening the core and other muscles ✓ Strength Development- Strength performance, speed enhancement drills, agility drills, ladder drills, and plyometrics ✓ Cardiovascular Fitness- aerobic/anaerobic exercises or activities as well developing muscular and joint flexibility. ✓ Additional Items: Students will also be exposed to several concepts in anatomy, physiology, and kinesiology. They will need to complete written assignments as part of their grade. Pre and post testing for the main core lifts and Fitness Testing must also be completed by showing improvement in all areas. ✓ Nutrition: We will also cover Sports Nutrition specific for the male athletes and the importance of fueling your body in the proper way. (Your performance is directly related to your nutrition habits) ✓ College Recruiting: we will go over items relevant to college recruiting and the process of playing at the next level. 					

Introduction to Swimming				07SWIMINT	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Physical Education
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None
<p>Students will learn and be able to demonstrate competency in the basic beginner skills required for passing the American Red Cross Aquatics Skill Levels I-II: freestyle, backstroke, and elementary back. Students will learn and be able to demonstrate basic water safety skills of treading water, beginner diving skills, and how to use designated pieces of rescue equipment. Students will learn and demonstrate proper techniques for catching, throwing, and dribbling a water polo ball.</p>					

SPORTS PHOTOGRAPHER MARKETING MANAGER UMPIRE PHYSICAL THERAPIST
 ATHLETIC TRAINER SOCIAL MEDIA MANAGER FACILITY OPERATIONS MANAGER
 EXERCISE PHYSIOLOGIST MATERIALS ENGINEER CONTRACT NEGOTIATOR
 PERSONAL TRAINER **CAREERS IN THE SPORTS FIELD** KINESIOLOGIST
 ORTHOPEDIST ATHLETIC DIRECTOR SPORTS MEDICINE PHYSICIAN
 SPORTS STATISTICIAN SPORTS ANCHOR EVENT COORDINATOR NUTRITIONIST
 SPORTS MASSAGE THERAPIST REFEREE SPORTS WRITER ATHLETIC SCOUT



Swim I				07SWIM	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Physical Education
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Intro to Swim and/or Teacher Recommendation
<p>Swim I students must already be able to swim as this course will refine strokes and prepare for Swim II. Students must have passed Introduction to Swimming with a minimum of B or have course instructor's approval. Students will refine and be able to demonstrate competency in all aquatic skills required for passing the American Red Cross Aquatics Skill Level IV. Students will be able to demonstrate basic water safety skills of treading water for one minute and how to use designated pieces of rescue equipment. Students will learn and demonstrate competency in three competitive swim strokes: freestyle, backstroke, and breaststroke, including the proper start and turn. Students will refine and demonstrate proper technique for catching, throwing, and swimming with a water polo ball and be able to play and officiate an official game.</p>					

Swim II				07SWIM2	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Physical Education
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Swim I & Teacher Recommendation
<p>Swim II students must have passed Swim I with a minimum grade of a B or have approval from the course instructor. In order to be enrolled in the course, students need to be able to perform a 300 yard continuous swim using front crawl, breaststroke, or a combination of the two while maintaining forward progress. Students should also be able tread water for two minutes with head remaining above water. Swimming on the back or side is not permitted. Students will learn and demonstrate competency in the following skills; advanced swim strokes, freestyle, backstroke, elementary back, side stroke, breaststroke, butterfly, and diving skills.</p>					

Partners in PE-Mentor				07PEM	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Physical Education
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Teacher Recommendation and Application
<p>Students considering a career in teaching are encouraged to enroll in this course. Peer assistants will work closely with students with a disability at FFCHS to provide help with physical activities in an athletic setting. Students should have a desire to help their fellow students. Students may enroll in this course repeatedly for credit.</p>					

Partners in Yoga-Mentor				07PYOGAM	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Physical Education
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Teacher Recommendation and Application
<p>Students considering a career in teaching are encouraged to enroll in this course. Peer assistants will work closely with students with a disability at FFCHS to provide help with many different yoga poses. Peer mentors should have a basic knowledge of Yoga poses as well as understand that they will assist their partners in the Yoga poses as well as be able to demonstrate the pose to their partner. Students should have a desire to help their fellow students. Students may enroll in this course repeatedly for credit.</p>					

Partners in Swim-Mentor				07PSWIMM	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Physical Education
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Teacher Recommendation and Application
<p>Students considering a career in teaching are encouraged to enroll in this course. Peer assistants will work closely with students with a disability at FFCHS to provide help with physical activities in an athletic setting. Students should have a desire to help their fellow students. Students may enroll in this course repeatedly for credit. Students must be able to lift at least 50 pounds and be a proficient to advanced swimmer. This course can be taken by teacher recommendation only.</p>					

Student Council Leadership (Fall & Spring)				09STUCO1/ 09STUCO2	
CREDIT:	0.5/sem	COURSE LENGTH:	Year	CREDIT TYPE:	Elective
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Teacher Recommendation, GPA 3.0 or above
<p>Student Council is a yearlong course that will focus on leadership skills, community service, and promoting school culture. Students must complete an application process as well as a campaign process for officer positions. Students are expected to work around 50 hours outside of the school day for school events. Student Council will also work on fostering strong communication (written and oral) and interpersonal skills.</p>					

Student Aide				09STUAID	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Elective
GRADE:	11-12	GRADING SCALE:	Pass/Fail	PREREQUISITE:	Teacher Recommendation
<p>On a case by case basis, some seniors with less than a 2.5 GPA may be allowed to be a student aide during the second half of their senior year. On a case by case basis, students may request one (1) aide period per semester. Students must have approval from the instructor for whom they will be an aide as well as their school counselor. The approving instructor and the student's school counselor will confirm student aide placement by signing a Student Aide Form, which can be obtained in the Counseling Center. Students will grade papers, enter data, clean, run errands, type, organize, file, and other duties as assigned. Grade for this course is pass/fail. A passing grade will not positively or negatively affect a grade point average. A failing grade, however; will negatively affect the grade point average. Students may not be aides during a teacher's planning period or Professional Learning Community (PLC) period.</p>					
Recommendation: GPA \geq2.5, no discipline referrals					

Philosophy/Epistemology				09GT1 - Spring ONLY	
CREDIT:	0.5	COURSE LENGTH:	Semester 2	CREDIT TYPE:	Academic Elective
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	GT Identification or GT Coordinator Approval
<p>Epistemology is the study of our method of acquiring knowledge and answers the question, "How do we know?" It encompasses the nature of concepts, the constructing of concepts, the validity of the senses, logical reasoning, as well as thoughts, ideas, memories, emotions, and all things mental. The course is concerned with how our minds are related to reality, and whether these relationships are valid or invalid. Course activities will include readings, small group and class discussions, journal entries, and presentations. All activities are designed to help students apply what they learn in epistemology to their other courses and life. The final project will be an independent study that students design and present.</p>					

GT Leadership and Service Based Learning				00GTL	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Academic Elective
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	GT Identification or GT Coordinator Approval
<p>Students will develop leadership skills and explore post-secondary readiness abilities while focusing on community service-based learning. Students will research, design, and submit community service proposals tied to one or more service learning contests. The projects will align with major scholarships or foundation grants to encourage students to submit proposals for award consideration. Students will also create local projects to assist middle school GT students in their transitions to the high school. This class is intended for students identified in the Gifted and Talented program with a desire to further develop leadership abilities.</p>					

Academic Independent Study				09INSTUACAD	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Depends on area of study
GRADE:	10-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Epistemology/RM, GT Facilitator/Counselor Recommendation
<p>The prerequisite of this course is successful completion of Epistemology/Research Methods. Independent study involves choosing a problem or topic that has particular meaning for the individual and following it to a point where it satisfies his or her curiosity. The purpose of an academic independent study is to enrich the curriculum for the more highly motivated, independent, and self-reliant learner and to encourage students to pursue a self-directed intellectual inquiry. The course is also able to provide an opportunity to study an established subject to a level beyond the existing curriculum to study an area not presently included in our course offerings.</p>					

Service Learning

09SERV

CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Depends on area of study
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	None

Service learning is a method of learning wherein students perform service in the community to meet the real needs as a means of learning material. An introductory unit presents instruction on the nature of service learning. Students are taught how to identify community needs, select projects that are meaningful to themselves, apply practical skills, reflect on their learning experience, and behave responsibly in a service setting. Students then can choose to move to design and conduct service learning experience of their own, as an independent study the next semester.

AVID 9				09AVID09
CREDIT: 1.0	COURSE LENGTH: Year	CREDIT TYPE: Academic Elective		
GRADE: 9	GRADING SCALE: Unweighted	PREREQUISITE: Student Application and Interview		
<p>The 9th grade Achievement Via Individual Determination (AVID) elective course prepares students for college readiness and helps them adjust to the high school setting. Students will work on refining study skills, test-taking skills, note-taking, and research techniques. Students will set academic and personal goals and be required to use a binder & planner. The course incorporates strategies focused on writing, inquiry, collaboration, organization, and reading. Students will participate in tutor-facilitated study groups and motivational activities to prepare them for academic success. They will learn how to participate in collegial discussions and use sources to support their ideas and opinions with an emphasis on analytical and thesis writing. Additionally, they will explore research for a college project which will include financial topics and building knowledge of colleges and careers of interest. There will be field trips and presentations throughout the year in which students will take an active role in identifying their path to higher education.</p>				
<p><i>A requirement for the class is to be enrolled in at least 1 Pre-AP or AP class.</i></p>				

AVID 10				09AVID10
CREDIT: 1.0	COURSE LENGTH: Year	CREDIT TYPE: Academic Elective		
GRADE: 10	GRADING SCALE: Unweighted	PREREQUISITE: Student Application and Interview		
<p>During the 10th grade AVID Elective course, students will refine the AVID strategies to meet their independent needs and learning styles. As students increase the rigorous course load and school/community involvement, they will refine their time management and study skills accordingly. Students will expand their writing portfolio to include the following: analyzing prompts, supporting arguments and claims, character analysis and detailed reflections. Students will also analyze various documents, in order to participate in collaborative discussions and develop leadership skills in those settings. Students will expand their vocabulary use, continuing to prepare for college entrance exams and preparation. Text analysis will focus on specific strategies to understand complex texts. Lastly, students will narrow down their college and careers of interest, based on personal interests and goals. Units of study will continue to prepare students for College and Career Readiness. Our units of study include Vocabulary Enhancement, Argumentative Essay writing, Career Research, and Community Service.</p>				
<p><i>A requirement for the class is to be enrolled in at least 1 Pre-AP or AP class.</i></p>				

AVID 11				09AVID11
CREDIT: 1.0	COURSE LENGTH: Year	CREDIT TYPE: Academic Elective		
GRADE: 11	GRADING SCALE: Unweighted	PREREQUISITE: Student Application and Interview		
<p>The 11th grade AVID Elective course is the first part in a junior/senior seminar course that focuses on writing and critical thinking expected of first-year and second-year college students. Each week, students receive instruction that utilizes a rigorous college-preparatory curriculum, tutor-facilitated study groups, motivational activities, and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization, and reading to support their academic growth. In addition to the academic focus, there are college-bound activities, methodologies, and tasks that should be undertaken during the junior year to support students when they apply to four-year universities and confirm their postsecondary plans.</p>				
<p><i>A requirement for the class is to be enrolled in at least 1 AP or Dual Enrollment class.</i></p>				



AVID 12				09AVID12	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective
GRADE:	12	GRADING SCALE:	Unweighted	PREREQUISITE:	Student Application and Interview
<p>The AVID Elective 12th grade course is the second part in a junior/senior seminar course that focuses on writing and critical thinking expected of first-year and second-year college students. Each week, students receive instruction utilizing a rigorous college preparatory curriculum, tutor-facilitated study groups, motivational activities, and academic survival skills. The AVID course emphasizes rhetorical reading, analytical writing, collaborative discussion strategies, tutorial inquiry study groups, preparation for college entrance and placement exams, college study skills and test-taking strategies, note-taking, and research. In addition to the academic focus, there are college-bound activities, methodologies and tasks that should be achieved during the senior year that support students as they apply to four-year universities and confirm their postsecondary plans.</p>					
<p><i>A requirement for the class is to be enrolled in at least 1 AP or Dual Enrollment class.</i></p>					

AVID Tutor				09AVIDT	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Academic Elective
GRADE:	11-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Student Application and Interview
<p>AVID tutor is a course designed for high achieving students to give back to FFCHS. Students will engage in AVID style tutoring sessions in the AVID classroom twice a week. For the non-AVID class sessions, students will facilitate tutoring sessions with other mathematics courses.</p>					
<p><i>A student must be a junior or senior, have Advanced Placement (AP) classes, maintain a high GPA of 3.0 or better, and be on-track for graduation.</i></p>					

STUDENT TESTIMONIALS



“AVID is a class that helps you focus on things you want for your life...AVID has impact me because high school seemed so scary to me until I joined AVID. I was worried about tests, college applications, and so many things. AVID has helped make my high school experiences so much better and easier!”

- FFCHS AVID Senior

“AVID has shaped me into a better student through note-taking techniques, organization skills and collaboration activities. Tutorial helped me collaborate with my group members to answer our questions. It is an amazing program that will make your high school years pass smoothly.”



- FFCHS Sophomore

Literacy Enhancement

09LIT

CREDIT: 1.0 COURSE LENGTH: Year CREDIT TYPE: Academic Elective

GRADE: 9-12 GRADING SCALE: Unweighted PREREQUISITE: Teacher Recommendation

Students will improve reading skills through effective research-based instruction. Instructional strategies are related directly to remediation. Strategies are designed to give learners the skills, competencies or behaviors they need to improve their reading performance. Strategies are chosen based on careful analysis of a student's needs. Students will learn basic sight words, word attack skills, phonemic awareness, comprehension, and increase reading rate through direct instruction. Students may enroll in this course repeatedly for credit.

ENGLISH LANGUAGE LEARNERS

Fountain-Fort Cason High School is committed to providing equal educational opportunities to all students. Inability to speak and understand the English language may prevent children from complete and effective participation in the general educational program. The English Language Learner (ELL) program has been developed to ensure that all students have equal access to the curriculum and equal opportunities to participate and succeed in the educational environment. Placement depends on a body of evidence which may include, but is not limited to, the following: screeners, WIDA ACCESS/ELPA scores, surveys, teacher and parent input, grades, and other standards-based assessments.

The goals of the ELL program focus on helping students with limited English skills do the following:

1. Attain high levels of cognitive academic language proficiency skills in English,
2. Meet the same state academic standards that all children are expected to meet, and
3. Develop pride in their cultural background and respect for all members of our multicultural community.

ELL Language Arts I				01ELL1	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Language Arts (NCAA Approved)
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	ELL Beginning Level, Teacher Recommendation
<p>Students will work on communication in the areas of reading, writing, speaking, and listening. Various writing strategies will be used to focus on ideas, organization, word choice, voice, sentence fluency, and conventions in writing, which include spelling, punctuation, grammar, and usage. Students will complete various projects and give oral presentations. Literature studies will focus on short stories, poetry, novels, and drama. The selected literature will be used to encourage reflections, personal responses, critical thinking, and literary analysis. Instruction will be aligned to the district curriculum, but accommodations and modifications will be placed into the course. Instruction will prepare students for the Colorado State Assessment Program (PSAT/CMAS). Springboard is used as the primary curriculum.</p>					

ELL 1 & 2				00ELL1/00ELL2	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Teacher Recommendation
<p>The English Language Learner 1 and 2 courses are designed for students whose primary language is not English and who are at a beginning level of English proficiency. Emphasis is placed on basic communication skills for everyday needs, the American school culture, academic language, reading and writing across the curriculum, and classroom survival skills. The content includes the development of listening and speaking skills. Vocabulary topics include math, science, history, social studies, and literature as well as the basic English needed for every day survival. It will also enhance the student's ability to construct meaningful and grammatically correct sentences and paragraphs. Writing activities include sentence, paragraph, letter writing, notetaking, and some creative writing.</p>					

ELL 3 & 4				00ELL3/00ELL4	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Academic Elective
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Teacher Recommendation
<p>In these courses, all areas of communication are targeted and strengthened through the integrated learning of language and academic content. The content includes, but is not limited to, social and academic listening and speaking skills, critical reading strategies, and further development of the writing process. Vocabulary, syntax, verbal skills necessary for mastering content curriculum standards, and the world of work and/or higher education are presented and developed in context and in authentic situations.</p>					

The Individuals with Disabilities Education Act (IDEA) requires that a multidisciplinary Individualized Education Plan (IEP) team (a group of qualified professionals and the parents) determine if a child has a disability that requires special education services. Evaluation data and information from a variety of sources are used by the IEP team to determine if the child meets State and Federal eligibility criteria. All members of the IEP team, including parents, have the right to dispute this determination. Eligibility requires that a condition prevents the student from receiving reasonable educational benefit from general education.

Course placement depends on IEP. Center-based classes, resource classes, and itinerant support in the regular classes are available based on the student's individual needs as outlined in their IEP. Other required courses will be taught with assistance in the regular education classroom with support as needed. Elective courses may be used to award credit in core areas on a case-by-case basis according to unique student needs. Decisions are driven by IEP documentation of disability that may affect performance in core classes for which limited substitutes are available. For a course to be considered a suitable substitute, it must clearly address Colorado Academic Standards in the designated content area. FFCHS provides a continuum of special education services and placement and depends on Individualized Education Plans. The following courses are available only to students with Individualized Education Plans / IEPs. Some courses may be used as core credit on an individual basis.

Areas of Eligibility Include:		
Intellectual Disability	Vision Disability	Autism Spectrum Disorder
Specific Learning Disability	Other Health Impairment	Serious Emotional Disability
Hearing Disability	Speech/Language Disability	Other Health Impairment
Orthopedic Impairment	Multiple Disabilities	

More information about disability categories can be found at www.ffc8.org or at the Colorado Department of Education (CDE), Exceptional Student Services Unit, www.cde.state.co.us.

Functional Language Arts 9-12				01FUNC912	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Language Arts
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	IEP
This course is designed to encourage students to work on reading and writing skills at their individual level. This course strives to prepare students with the functional skills to be successful in the real world. This course incorporates Basic Skills Curriculum, News2You, and Unique Learning System.					

LA 9/Freshman Language Arts				01PULL9	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Language Arts
GRADE:	9	GRADING SCALE:	Unweighted	PREREQUISITE:	IEP
Students will work on the communication areas of reading, writing, speaking, and listening. The writing strategies will be used to focus on ideas, organization, word choice, voice, sentence fluency, and conventions in writing, which include spelling, punctuation, grammar, and usage. Students will complete various projects and give oral presentations. Literature studies will focus on short stories, poetry, novels, and drama. Instruction is aligned with Colorado grade level standards and will prepare students for the state assessment.					

LA 10/Freshman Language Arts				01PULL10	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Language Arts
GRADE:	10	GRADING SCALE:	Unweighted	PREREQUISITE:	IEP
Students will read a variety of short stories, poetry, essays, novels, and dramas. The selected literature will be used to encourage reflections, personal responses, critical thinking, and literary analysis. The district curriculum will be followed, but accommodations and modifications will be implemented. Students will complete various projects based upon the selected literature. Grammar, usage and mechanics, vocabulary, and oral presentations will also be taught. Instruction is aligned with Colorado grade level standards and will prepare students for the state assessment.					

LA 11-12/Freshman Language Arts				01PULL1112	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Language Arts
GRADE:	11-12	GRADING SCALE:	Unweighted	PREREQUISITE:	IEP
<p>Students will read a variety of short stories, poetry, essays, novels, and dramas that are focused around the areas of American and British Literature. The selected literature will be used to encourage reflections, personal responses, critical thinking, and literary analysis. District curriculum (Spring Board) will be followed, but accommodations will be placed into the class. Students will complete various projects based upon the selected literature. Grammar, usage and mechanics, vocabulary, and oral presentations will also be taught.</p>					

Functional Math 9-12				02FUNC912	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Math
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	IEP
<p>This course is designed to encourage students to work on basic math skills, money, time, and measurement at their individual level. This course strives to prepare students with the functional skills to be successful in the real world. This course incorporates a variety of texts depending on grade level and activity including, but not limited, to the following: many hands-on activities using real money, flash cards, games, a basic skill curriculum, touch math, and basic menu math. The Unique Learning System is also incorporated to help with repetitions of math concepts.</p>					

Functional Math 9-12				02FUNC912	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Math
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	IEP
<p>This course is designed to encourage students to work on basic math skills, money, time, and measurement at their individual level. This course strives to prepare students with the functional skills to be successful in the real world. This course incorporates a variety of texts depending on grade level and activity including, but not limited, to the following: many hands-on activities using real money, flash cards, games, a basic skill curriculum, touch math, and basic menu math. The Unique Learning System is also incorporated to help with repetitions of math concepts.</p>					

Math 30				02MATH30	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Math
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	IEP
<p>This is a remedial course geared to support students that are working on basic mathematics skills. This course strives to prepare students with the functional skills to be successful in the real world. This course incorporates repetition and online practice of mathematics concepts. This course is designed for students working on Colorado Academic Standards Extended Evidence Outcomes.</p>					

Math 60				02MATH60	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Math
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	IEP
<p>This is a remedial course designed to develop the application of basic operations in building foundational algebraic skills. This course is designed for students working on Colorado Academic Standards and Colorado Academic Standards Extended Outcomes.</p>					



There are plenty of careers in the world that can be worked by people with and without disabilities. Once you find your passion, look at your strengths and see where they fit.

[Go here for some ideas!](#)

Pre-Algebra Modified

02PREALGM

CREDIT: 1.0 COURSE LENGTH: Year CREDIT TYPE: Math

GRADE: 9-12 GRADING SCALE: Unweighted PREREQUISITE: IEP

This course encompasses many mathematical concepts essential for success in Algebra 1. Students represent a real-world context with fractions; analyze sequences containing mathematical operations; interpret and simplify the square and cube of a number; convert between fractions, decimals, and percent; write algebraic models from a variety of physical numeric, and verbal descriptions; solve equations using a variety of methods; functions; justify answers using precise mathematical language; relate constant rate of change to verbal, physical, and algebraic models; use technology to solve problems; and reinforce and extend vocabulary of probability and statistics. This course is aligned to all State, Colorado Academic Standards (CAS), and Scholastic Assessment Test (SAT) standards and will strengthen students' foundational algebra skills for success in further mathematics courses.

Algebra 1 Modified

02ALG1M

CREDIT: 1.0 COURSE LENGTH: Year CREDIT TYPE: Math

GRADE: 9-12 GRADING SCALE: Unweighted PREREQUISITE: IEP

This secondary level course will focus on the fundamental skills of algebra. National, State, and District academic content standards will be addressed by covering properties, linear equations, functions, linear inequalities, systems of equations and inequalities, quadratic equations and functions, polynomials and factoring. Problem solving, analysis, critical and visual thinking, mathematical and spatial reasoning, and real-world application strategies will be emphasized.

Geometry Modified

02GEOMM

CREDIT: 1.0 COURSE LENGTH: Year CREDIT TYPE: Math

GRADE: 9-12 GRADING SCALE: Unweighted PREREQUISITE: IEP

This course will focus on the three key aspects of geometry: measuring, reasoning, and applying geometrical ideas, and solidify Algebra I skills. This course is geared to support students in multiple areas to be successful in Geometry. Students in this course will acquire and demonstrate proficiency in reasoning and proof, perpendicular and parallel lines, congruent triangles and properties of triangles, quadrilaterals, transformations, similarity, right triangles, and circles. Students will also demonstrate mastery of fundamental algebra, fundamental probability, and statistics concepts. Problem solving, analysis, critical and visual thinking, mathematical and spatial reasoning, and real-world application strategies will be emphasized.

Consumer Math

02CONS

CREDIT: 1.0 COURSE LENGTH: Year CREDIT TYPE: Math

GRADE: 9-12 GRADING SCALE: Unweighted PREREQUISITE: IEP

This course is designed to teach students financial responsibility. This course helps students determine a monthly budget, apply for jobs, and explore insurance options. Additionally, a heavy emphasis on real-world applications is provided through this course. This course aligns with grade-level standards.

Consumer Math 2

02CONS2

CREDIT: 1.0 COURSE LENGTH: Year CREDIT TYPE: Math

GRADE: 9-12 GRADING SCALE: Unweighted PREREQUISITE: IEP

This course is designed to teach students how to plan for real-life scenarios regarding taxes and how taxes are used in understanding staffing requirements in regards to employments, cost and profit, supply and demand, cost of shipping, and budgeting and planning. This course aligns with grade-level standards.

Science 9-12				03PULL912	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Science
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	IEP
<p>This course applies a broad, conceptual understanding of earth, life and physical science. This course is designed to allow students the opportunity to immerse themselves in topics guided though the Colorado State Science Standards. Students with an IEP may take this course yearly. Units are rotated, so the students are exposed to new material on a yearly basis. Topics may include physical science, Newtonian laws of motion, chemistry, food science, genetics, science in the news, science history, geology, biology, and/or ecology. Placement in this course is dependent of the services within the student's IEP.</p>					

Global/World 9/10				04PULL910	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Social Studies
GRADE:	9-10	GRADING SCALE:	Unweighted	PREREQUISITE:	IEP
<p>This course will combine geography and the Modern World History course for students within the special education program to access general education curriculum with remedial academic support. Instruction will address speaking, reading, writing, researching, and problem-solving skills using content from freshman and sophomore level social studies classes. For global geography, students will learn a broad overview of the major regions of the world. There will be an emphasis on the increasing relationships of people and places due to the influences of globalization on world trade, travel, communication, culture, government, and the natural environment. The course will introduce skills including but not limited to individual responsibilities and participation. For the Modern World History course, students will examine world history within a chronological and topical approach to understand social, political, ideological and scientific events and their effect on the world beginning in ancient times to modern day.</p>					

US History/Government 11/12				04PULL11	
CREDIT:	1.0	COURSE LENGTH:	Year	CREDIT TYPE:	Social Studies
GRADE:	11-12	GRADING SCALE:	Unweighted	PREREQUISITE:	IEP
<p>This course will contain components of both United States history and U.S. Government and economics for students within the special education program to access general education curriculum with remedial academic support. Instruction will address speaking, reading, writing, researching and problem-solving skills using content from junior and senior level social studies classes. This course will explore the history of the United States from the European settlement through the modern time. Social Studies 11/12 will focus on the study of federal, state, and local branches of our government, with an emphasis on the individual's responsibilities and participation. The student will develop an understanding of global issues and trends including current political, social, and economic events.</p>					

Peak Skills				09PEAK	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Academic Elective
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	IEP
<p>The PEAK course is a social development course designed to develop students' social and emotional skills to enhance learning. Topics covered in class include, but are not limited to, conflict resolution, peer relationships, rules and regulations, motivation, leadership, and positive social interactions. PEAK Skills II is the secondary course to grow and maintain social/emotional development. This course will ensure skills relating to effective thinking, problem solving, stress management, positive living, and progress towards individual social/emotional SMART and/or IEP goals.</p>					

Living Skills				09LIV	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Academic Elective
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	IEP
<p>The PEAK course is a social development course designed to develop students' social and emotional skills to enhance learning. Topics covered in class include, but are not limited to, conflict resolution, peer relationships, rules and regulations, motivation, leadership, and positive social interactions. PEAK Skills II is the secondary course to grow and maintain social/emotional development. This course will ensure skills relating to effective thinking, problem solving, stress management, positive living, and progress towards individual social/emotional SMART and/or IEP goals.</p>					

Adaptive Swimming				07ASWIM	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	PE
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Center-Based Teacher Recommendation
<p>Adaptive Swim is primarily for students who have special needs and/or disabilities. It focuses on basic swimming skills and water safety. Students will engage in learning strokes such as freestyle, backstroke, and survival strokes. Students will learn to swim underwater safely and learn water safety skills for aquatic environments.</p>					

Partners in Physical Education				07PPE	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	PE
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Center-Based Teacher Recommendation
<p>This course is designed for students working on Extended Evidence Outcomes who are receiving instruction through the center-based classroom. This course focuses on social and hands-on support in physical education. Students will work closely with mentors to engage in various physical activities. This course strives to give students enjoyment of physical activities, sports, teamwork, and cooperation, while building relationships with mentor students.</p>					

Partners in Yoga				07PYOGA	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	PE
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Center-Based Teacher Recommendation
<p>This course is designed for students working on Extended Evidence Outcomes who are receiving instruction through the center-based classroom. This course focuses on social and hands-on support in physical education. Students will work closely with mentors to engage in various physical activities. This course strives to give students enjoyment of physical activities, sports, teamwork, and cooperation, while building relationships with mentor students.</p>					

Partners in Art				06PART	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Fine Art
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Center-Based Teacher Recommendation
<p>This course is designed for students working on Extended Evidence Outcomes who are receiving instruction through the center-based classroom. This course focuses on social and hands-on support in learning about a variety of art mediums in a studio setting. Students will work closely with mentors to create a variety of projects incorporating painting, drawing, paper mâché, and other mediums with an emphasis on process-oriented art. Tools and materials are adaptable to meet the ability level of students with a variety of physical needs. This course strives to give students enjoyment of the arts, while building relationships with mentor students.</p>					



ACE Career Pathway

PATHWAYS TO POSTSECONDARY WORKFORCE READINESS

CAREER PATHWAY SEQUENCE

9TH	10TH	11TH	12TH
	CD-I ACE Career Development I – Career Planning		
	CD-I ACE Career Development II – Job Seeking		
	PWR-I ACE Success Foundations		
	PWR-II ACE Success Systems		
	PWR-III ACE PWR Applications		
	WE-I ACE In-School Work-based Learning		
	WE-II ACE Community Work-based Learning		
	FL-II ACE Business Management & Entrepreneurship		
	CL-II ACE Computer Literacy: Software Applications		

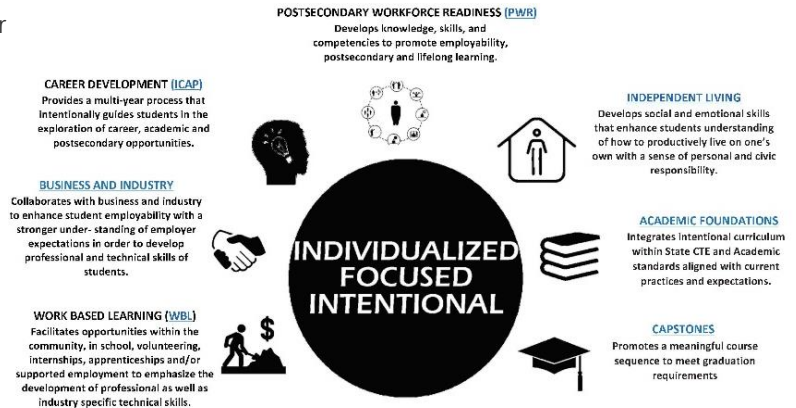
Courses

- CD-I ACE Career Development I – Career Planning [.5] 1 – Semester
- CD-I ACE Career Development II – Job Seeking [.5] 1 – Semester
- PWR-I ACE Success Foundations [.5] 1 – Semester
- PWR-II ACE Success Systems [.5] 1 – Semester
- PWR-III ACE PWR Applications [.5] 1 – Semester
- WE-I ACE In-School Work-based Learning (Prereq. CD-I or II) [.5] 1 – Semester
- WE-II ACE Community Work-based Learning (Prereq. CD-I or II) [.5] 1 – Semester
- FL-II ACE Business Management & Entrepreneurship [.5] 1 – Semester
- CL-II ACE Computer Literacy: Software Applications [.5] 1 – Semester

*ALL courses above are non-sequential. Only WE-I and II have a prerequisite.

Related Careers

- ACE teaches the professional skills that are required for most careers.
- It is recommended that ACE is taken in conjunction with another CTE Program of Study.



Career and Technical Student Organization:



ACE

Alternative Cooperative Education (ACE) employability courses help students raise their awareness prior to entering the workforce through career exploration, job search and application, development of positive work attitudes, and work-related skills.

CD-I ACE Career Development I-Career Planning				09ACE1	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Academic Elective
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Teacher Recommendation
<p>As developmentally appropriate, this course (or series of courses) is designed for students to create an individual, initial career plan that outlines steps to reach their career goal. Students will identify a career goal based upon results of various assessments, i.e. interest survey, aptitude evaluation, academic skills, learning styles, and work preferences. Students will also investigate the training and educational requirements (academic planning & postsecondary options) for their chosen career field. Students should be able to articulate short-term action necessary to achieve the goal(s) in their career plan including intentional academic planning; high school choices based on self-awareness; as well as career exploration and postsecondary aspirations. Whenever possible, computer literacy skills and leadership skills tied to (SC)2 – Successful Career Student of Colorado (ACE's CTSO) is embedded into the curriculum.</p> <p><i>ACE students will also integrate the (SC)² elite group, which will give students the opportunity to compete in ACE events at state level.</i></p>					

CD-II ACE Career Development II-Job Seeking				09ACE2	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Academic Elective
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Teacher Recommendation
<p>As developmentally appropriate, this course (or series of courses) is designed for students to create an individual, initial career plan that outlines steps to reach their career goal. Students will identify a career goal based upon results of various assessments, i.e. interest survey, aptitude evaluation, academic skills, learning styles, and work preferences. Students will also investigate the training and educational requirements (academic planning & postsecondary options) for their chosen career field. Students should be able to articulate short-term action necessary to achieve the goal(s) in their career plan including intentional academic planning; high school choices based on self-awareness; as well as career exploration and postsecondary aspirations. Whenever possible, computer literacy skills and leadership skills tied to (SC)2 – Successful Career Student of Colorado (ACE's CTSO) is embedded into the curriculum.</p> <p><i>ACE students will also integrate the (SC)² elite group, which will give students the opportunity to compete in ACE events at state level.</i></p>					

PWR-I ACE Success Foundations				09ACESF	
CREDIT:	0.5	COURSE LENGTH:	Semester	CREDIT TYPE:	Academic Elective
GRADE:	9-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Teacher Recommendation
<p>This course focuses on personal/self-awareness. This course is designed to help students explore and develop the personal and academic skills that are foundational to successful transition into the working world. Teachers will facilitate students learning and implementing academic discipline skills, mindsets, and behaviors for successful academic course completion, and help them to identify methods for setting goals for personal improvement and continuous growth in an academic area, and explain the purpose of fundamental tools used to pursue a career path. Students will select critical thinking skills to make informed, ethical, and socially responsible choices and will also work on implementing essential routines for physical and mental health maintenance and personal safety, including emotion regulation, positive communication skills, decision-making, goal setting, time management, advocacy, problem solving, conflict resolution, self-awareness, personal responsibility, work ethic, stress management, and appropriate personal/social and conflict resolution skills. Students will investigate how these factors influence successful career habits. Students will also can determine personal interests, talents, goals and preferences for potential careers, and explore the connection between those interests and postsecondary workforce aspirations and options.</p> <p><i>ACE students will also integrate the (SC)² elite group, which will give students the opportunity to compete in ACE events at state level.</i></p>					

PWR-II ACE Success Systems

09ACCESS

CREDIT: 0.5 COURSE LENGTH: Semester CREDIT TYPE: Academic Elective
 GRADE: 9-12 GRADING SCALE: Unweighted PREREQUISITE: Teacher Recommendation

This course focuses on self and social awareness. This course is designed to help students understand the relationship of their individual talents, interests, and dreams with others around them. Teachers will facilitate an understanding of personal learning styles, self-management, how skills and beliefs within multiple environments (peer, school, home) influence postsecondary options, and workforce readiness. Students will monitor and practice skills including personal responsibility, interpersonal skills including, but not limited to, collaboration, cooperation, social responsibility/citizenship, problem solving, work ethic, stress management, and how they are applied in a group/social environment. This course will allow students to identify specific environmental factors that influence their physical, emotional, and mental health in relation to their career choice, and to evaluate how applying critical thinking skills, collaboration, group problem solving, conflict resolution, and personal responsibility can impact any related social setting success. Students may match potential career opportunities in career clusters or plan a career path based on personal interests, goals, talents and preferences.

ACE students will also integrate the (SC)² elite group, which will give students the opportunity to compete in ACE events at state level.

PWR-II ACE Success Systems

09ACCESS

CREDIT: 0.5 COURSE LENGTH: Semester CREDIT TYPE: Academic Elective
 GRADE: 9-12 GRADING SCALE: Unweighted PREREQUISITE: Teacher Recommendation

This course focuses on self and social awareness. This course is designed to help students understand the relationship of their individual talents, interests, and dreams with others around them. Teachers will facilitate an understanding of personal learning styles, self-management, how skills and beliefs within multiple environments (peer, school, home) influence postsecondary options, and workforce readiness. Students will monitor and practice skills including personal responsibility, interpersonal skills including, but not limited to, collaboration, cooperation, social responsibility/citizenship, problem solving, work ethic, stress management, and how they are applied in a group/social environment. This course will allow students to identify specific environmental factors that influence their physical, emotional, and mental health in relation to their career choice, and to evaluate how applying critical thinking skills, collaboration, group problem solving, conflict resolution, and personal responsibility can impact any related social setting success. Students may match potential career opportunities in career clusters or plan a career path based on personal interests, goals, talents and preferences.

ACE students will also integrate the (SC)² elite group, which will give students the opportunity to compete in ACE events at state level.

PWR-III ACE PWR Applications

09ACEPWRA

CREDIT: 0.5 COURSE LENGTH: Semester CREDIT TYPE: Academic Elective
 GRADE: 9-12 GRADING SCALE: Unweighted PREREQUISITE: Teacher Recommendation

This course is designed to help students acquire the skills necessary for successful transition to their Postsecondary working life. Students will learn to apply critical thinking and academic knowledge to create plans and potential solutions for problems in the workplace and community, and assess the pros and cons of personal decisions based on their anticipated impact on self, peers, employers, and community. The course content will allow students to examine the concepts of money management, budgeting, consumer awareness, housing/apartment living, paying for and entering Postsecondary training, stress management, learning how to successfully move out, living on your own, finances, and acquiring and securing Postsecondary housing options.

ACE students will also integrate the (SC)² elite group, which will give students the opportunity to compete in ACE events at state level.



	LEARNING ABOUT WORK	LEARNING THROUGH WORK	LEARNING AT WORK	
	<p>Career awareness and exploration helps individuals build awareness of the variety of careers available and provides experiences that help inform career decisions.</p> <ul style="list-style-type: none"> • Career Counseling • Career Planning • Career Fairs • Career Presentations • Industry Speakers • Mentoring • Worksite Tours 	<p>Career preparation supports career readiness and includes extended direct interaction with professionals from industry and the community.</p> <ul style="list-style-type: none"> • Clinical Experiences • Credit-for-Work Experiences • Internships • Pre-Apprenticeship • Project-Based Learning 	<p>Career training occurs at a work site and prepares individuals for employment.</p> <ul style="list-style-type: none"> • Apprenticeship • On-the-Job Training • Employee Development 	

WE-I ACE In-School Work-based Learning				09ACEIWL
CREDIT: 0.5	COURSE LENGTH: Semester	CREDIT TYPE: Academic Elective		
GRADE: 9-12	GRADING SCALE: Unweighted	PREREQUISITE: Teacher Recommendation		
<p>As a prerequisite, students should have already taken or be simultaneously enrolled in the ACE Career Development (CD I-III) course sequence. As developmentally appropriate, this course (or series of courses) is designed to develop students' basic employment skills by participating in an in-school work/school-based enterprise experience. A training plan and evaluation (to be filled out by the supervisor/employer) will be developed listing job specific technical skills the student will learn during the experience. Hours worked will be documented. Students will demonstrate levels of self-awareness, career exploration, postsecondary option knowledge, and employability skills. ACE teachers serves as a coach and mentor checking in with supervisor/employer regularly.</p>				
<p><i>ACE students will also integrate the (SC)² elite group, which will give students the opportunity to compete in ACE events at state level.</i></p>				

WE-II ACE Community Work-based Learning				09ACECWL
CREDIT: 0.5	COURSE LENGTH: Semester	CREDIT TYPE: Academic Elective		
GRADE: 9-12	GRADING SCALE: Unweighted	PREREQUISITE: CD1 or CD2 or Teacher Recommendation		
<p>As a prerequisite, students should have already taken or be simultaneously enrolled in the ACE Career Development (CD I-III) course sequence. As developmentally appropriate, this course (or series of courses) is designed for students to enhance employment skills by participating in a community-based work experience (paid or unpaid). A training plan and evaluation (to be filled out by the supervisor/employer) will be developed listing job specific technical skills. The student will learn during the experience. Hours worked will be documented. Students will demonstrate levels of self-awareness, career exploration, academic planning based on postsecondary aspirations and realistic options, employability skills, and environmental expectations. ACE teachers serves as a coach and mentor checking in with supervisor/employer regularly.</p>				
<p><i>ACE students will also integrate the (SC)² elite group, which will give students the opportunity to compete in ACE events at state level.</i></p>				

FL-II ACE Business Management & Entrepreneurship				09ACEBME
CREDIT: 0.5	COURSE LENGTH: Semester	CREDIT TYPE: Academic Elective		
GRADE: 9-12	GRADING SCALE: Unweighted	PREREQUISITE: Teacher Recommendation		
<p>This course serves as an application of financial literacy, management of business, and entrepreneurship. As developmentally appropriate, this course (or series of courses) is designed for students to learn and practice financial literacy, decision-making, and management skills for their personal and professional lives. Students will understand and practice basic strategies to develop a business plan and organize and manage a business venture; accounting methodologies, budgeting and bookkeeping procedures customer service, team building, and supervisory skills; and business and community networking strategies. They will become familiar with ownership and management structures and leadership styles. Students will develop a business plan and organize and manage a business venture. Whenever possible, computer literacy skills and leadership skills tied to a Career and Technical Student Organization (CTSO) should be embedded into the curriculum.</p>				
<p><i>ACE students will also integrate the (SC)² elite group, which will give students the opportunity to compete in ACE events at state level.</i></p>				

CL-II ACE Computer Literacy: Software Applications

09ACECLSA

CREDIT: 0.5 COURSE LENGTH: Semester CREDIT TYPE: Academic Elective

GRADE: 9-12 GRADING SCALE: Unweighted PREREQUISITE: Teacher Recommendation

As developmentally appropriate, this course (or series of courses) is designed for students to expand their knowledge of Microsoft Windows and Office Suite applications. Students will receive hands-on experience in MS Windows, Word, Excel, PowerPoint and other programs. Topics covered include working with files, creating and formatting documents, form letters and mailing labels, advanced table techniques, and managing long documents. This course will also cover computer history, hardware, software and operating concepts. Students will analyze and critique web applications associated with securing employment such as job applications and employment search sites. Whenever possible, the appropriate use and safety of social media, internet ethics and exploration should be embedded into the curriculum.

PPCC Career Start Program

The Career Start Program at Pikes Peak Community College (PPCC) provides occupational skill development and training for juniors and seniors in high school. In addition to teaching career-technical skills, Career Start strives to prepare students for the world of work by teaching the related academics and workplace basics that are essential for employment. Instruction is provided in classrooms, laboratories, and in business and industry at the PPCC Centennial campus.

Students must attend the PPCC Career Start Visit Day in Spring Semester prior to the year of enrollment. Students must also complete the Career Start application with their counselor in Spring Semester prior to the year of enrollment. Students interested in the Career Start program must schedule a meeting with their assigned counselor.

The courses follow a typical 5-days-per week schedule and run two hours and forty minutes daily. While some programs offer a second year of Career Start curriculum, all programs can be continued at the collegiate level following graduation. The number of courses covered within each program varies, and only a grade of a "C" or better earns college credit. **Attendance is crucial for success within this program. If students fail any classes, then they will be required to pay tuition and fees associated with the failed class. Additionally, if students drop or withdrawal from the program after PPCC/ISSA deadlines, then they will be required to pay tuition and fees associated with the courses.** Transportation may be provided, but ultimately, it is the responsibility of the student to ensure their daily attendance. The following programs are currently offered to FFCHS students:

Auto Collision Technology (ACT)	Diesel Power Technology (DPT)	Multimedia Graphic Design (MGD)
Auto Service Technology (ASE)	*Early Childhood Education (ECE)	Veterinary Assistant (...)
Broadcasting & Electronic Media (BEM)	Fire Science Technology (FST)	Welding (WEL)
Criminal Justice (CRJ)	Health Career Exploration (HCE)	Zookeeping (ZOO)
Cybersecurity (CYB)	Health Science Technology (HST)	

**Students must complete courses at FFCHS first to take PPCC Early Childhood Education (ECE)*

To view details on individual Career Start program offerings refer to the Career Start Course Descriptions. Space is limited and offered on an application basis. Applications are considered in the order that they are received. For registration information, students may set up an appointment with their counselor. For more information visit: <https://www.ppcc.edu/high-school-programs>

Automotive Collision Technology (ACT)	09AVPACT(am)/09AVPACT(pm)
CREDIT: 3.0	COURSE LENGTH: Year
CREDIT TYPE: See Counselor	GRADE: 11-12
GRADING SCALE: Unweighted	PREREQUISITE: See Counselor
This is a two-year program designed to provide students with the skills necessary to enter the field of auto collision repair or continuation in the postsecondary (college degree program.) Coursework includes auto body repair, advanced refinishing, auto body rebuilding, and other related areas.	

Automotive Service Technology (ASE)	09AVPCAR1(am)/09AVPCAR1(pm)
CREDIT: 3.0	COURSE LENGTH: Year
CREDIT TYPE: See Counselor	GRADE: 11-12
GRADING SCALE: Unweighted	PREREQUISITE: See Counselor
This is a two-year program designed to provide students with the skills necessary to enter the field of automotive repair or continuation in the postsecondary, college degree program. Coursework includes automotive service technology- related theory and skills, related machining and electronic skills, applied academics, and other related areas.	

Broadcasting & Electronic Media (BEM)				09AVPBEM	
CREDIT:	3.0	COURSE LENGTH:	Year	CREDIT TYPE:	Various, See Counselor
GRADE:	11-12	GRADING SCALE:	Unweighted	PREREQUISITE:	See Counselor
<p>This one-year collegiate program is designed to enter television production or radio broadcasting. College credit earned during Career Start is applicable towards the Associate of Applied Science degree at PPCC.</p>					

Criminal Justice Administration (CRJ)				09AVPCJ1/09AVPCJ2	
CREDIT:	3.0	COURSE LENGTH:	Year	CREDIT TYPE:	Various, See Counselor
GRADE:	11-12	GRADING SCALE:	Unweighted	PREREQUISITE:	See Counselor
<p>This is a two-year program of instruction designed to offer entry-level skills as well as advanced, highly technical law enforcement methodology, or continuation in the postsecondary (college) degree program. Course work includes basic police patrol, police photography, crime lab techniques, crime scene investigations, and other related areas.</p>					

Cybersecurity (CYBER)				09AVPCYBER	
CREDIT:	3.0	COURSE LENGTH:	Year	CREDIT TYPE:	Various, See Counselor
GRADE:	11-12	GRADING SCALE:	Unweighted	PREREQUISITE:	See Counselor
<p>This is a two-year program of instruction designed to offer entry-level skills as well as advanced, highly technical law enforcement methodology, or continuation in the postsecondary (college) degree program. Course work includes basic networking, cyber security principles, network security, and other related areas.</p>					

Diesel Power Technology (DPT)				09AVPDSL	
CREDIT:	3.0	COURSE LENGTH:	Year	CREDIT TYPE:	Various, See Counselor
GRADE:	11-12	GRADING SCALE:	Unweighted	PREREQUISITE:	See Counselor
<p>This is a two-year program designed to provide skills in several areas of diesel equipment, service, and repair. Students will be given training in several aspects of diesel equipment theory, applied academics, and hands-on service and repair. Course work includes diesel-power technology-related theory and skills, related machining skills, related electronic skills, and other related areas.</p>					

Early Childhood Education (ECE)				09AVPCHED	
CREDIT:	3.0	COURSE LENGTH:	Year	CREDIT TYPE:	Various, See Counselor
GRADE:	11-12	GRADING SCALE:	Unweighted	PREREQUISITE:	Completion of ECE Pathway at FFCHS
<p>This is a one-year program which enables the student to meet the educational qualifications for teacher's aide or assistant, and to continue in the postsecondary (college) degree program. Course work includes practical applications in verbal interaction with young children, practicums in community or college child care program, and other related areas.</p>					
<p><i>Students must complete ECE Pathway at FFCHS first to take PPCC Early Childhood Education (ECE)</i></p>					

Fire Science Technology (FST)				09AVPFST	
CREDIT:	3.0	COURSE LENGTH:	Year	CREDIT TYPE:	Various, See Counselor
GRADE:	11-12	GRADING SCALE:	Unweighted	PREREQUISITE:	See Counselor
<p>This is one-year program of instruction designed to offer basic knowledge and training in the fire service career field. The courses of this program prepare students for continuation in a postsecondary (college) degree program. Course work includes fire behavior, fire suppression, rescue and extrication, and other related areas.</p>					

Health Careers Exploration (HCE)				09AVPHCE	
CREDIT:	3.0	COURSE LENGTH:	Year	CREDIT TYPE:	Various, See Counselor
GRADE:	11-12	GRADING SCALE:	Unweighted	PREREQUISITE:	See Counselor
<p>This one-year program is designed for the mature, responsible students wishing to investigate health related careers. Students will have the opportunity to receive college credit for medical terminology, first responder, and training in career development.</p>					

Health Science Technology (HST)			09AVPHC
CREDIT: 3.0	COURSE LENGTH: Year	CREDIT TYPE: Various, See Counselor	
GRADE: 11-12	GRADING SCALE: Unweighted	PREREQUISITE: See Counselor	
<p>This one-year program is designed for the mature, responsible student wishing to investigate health related careers. This course focuses on the basics of health care education and health care skills and training. Students completing this program may be eligible for certification and employment as nursing assistants.</p>			

Multimedia Graphic Design (MGD)			09AVPMMGD
CREDIT: 3.0	COURSE LENGTH: Year	CREDIT TYPE: Various, See Counselor	
GRADE: 11-12	GRADING SCALE: Unweighted	PREREQUISITE: See Counselor	
<p>This is a two-year program designed to provide skills in multimedia and related fields or continuation in postsecondary (college) degree program. Course work includes drawing, computer software applications, design & color, design principles & elements, digital layout, interactive media, advertising & marketing, digital imaging, print media, HTML, and web design.</p>			

Veterinary Assistant			09AVPVETA
CREDIT: 3.0	COURSE LENGTH: Year	CREDIT TYPE: Various, See Counselor	
GRADE: 11-12	GRADING SCALE: Unweighted	PREREQUISITE: See Counselor	
<p>Veterinary Technology programs educate and empower students to work in the veterinary healthcare field. Students will be trained to professionally and ethically interact with patients, clients, and other veterinary healthcare professionals. Students will study a variety of topics, including radiology and imaging, humane restraint technique, pharmacology, parasitology, laboratory procedures, surgical procedures and nursing, exotic animal care, large animal nursing and care, and more.</p>			

Welding (WEL)			AVPWELD/AVPWELD2
CREDIT: 3.0	COURSE LENGTH: Year	CREDIT TYPE: Various, See Counselor	
GRADE: 11-12	GRADING SCALE: Unweighted	PREREQUISITE: See Counselor	
<p>This is a two-year program designed to provide entry-level skills in welding and related fields, or continuation in the postsecondary (college) degree program. Course work includes the following areas: oxyacetylene welding, shielded metal arc welding, gas metal arc welding, and other related areas.</p>			

Zookeeping (ZOO)			09AVPZOO
CREDIT: 3.0	COURSE LENGTH: Year	CREDIT TYPE: Various, See Counselor	
GRADE: 11-12	GRADING SCALE: Unweighted	PREREQUISITE: See Counselor	
<p>This is a one-year program designed to provide skills that will contribute to the growing knowledge and understanding necessary to maintain the world's zoological diversity. This program will open students to a new and rewarding world that values wildlife and habitats. Students can become part of an international movement where zoos are becoming a center for conservation, education, research, and where they are reinventing themselves to protect and re-establish endangered species.</p>			

The MiLL

Manufacturing Industry Learning Lab (the MiLL) offers Construction Classes that are designed for students to gain valuable skills to jumpstart a career. Students learn by doing, so daily they apply classroom skill to real-life projects, such as building desk chairs, shed, a Home Build Projects, Habitat for Humanity homes, and more. Students receive instruction and training in the following units, while also earning U.S. Department of Labor-recognized industry certificates:

<p>CORE</p> <ul style="list-style-type: none"> • Building Trade Safety and First Aid • Basic Construction Math and Print Reading • Tools and Construction Materials 	<p>CARPENTRY</p> <ul style="list-style-type: none"> • Laying roofs with plywood and shingles • Installing cabinets and countertops • Building walls
<p>ELECTRICAL</p> <ul style="list-style-type: none"> • Installing circuit panels • Installing conduit and wiring • Systems testing and repairs 	<p>PLUMBING</p> <ul style="list-style-type: none"> • Installing and repairing plumbing systems • Cutting and joining pipes • Installing fixtures and appliances
<p>OSHA 10</p> <ul style="list-style-type: none"> • Recognition, avoidance, abatement and prevention of safety and health hazards in the workplace • Information regarding workers' rights, employer responsibilities, and how to file a complaint 	

Students can speak to their school counselor to enroll in CIC Classes.

The MiLL is a massive group effort between school districts, professionals, and industry partners that offers students opportunities to:

- Be trained in the industry's most sophisticated machinery
- Gain skills that will transfer to various manufacturing industries
- Receive national certification and be ready to hire after completion
- Use their training to build a solid career and future for themselves and loved ones

Participation at The MiLL require students to commit a half-day of class time. Students will be bussed to a from The MiLL. Learn more about The MiLL at <https://themillco.org/>.

Construction Technology A/B		Need specific Course # 08MILL	
CREDIT: 2.0	COURSE LENGTH: Year	CREDIT TYPE:	1.0 Elective & 1.0 CTE Math Per Semester
GRADE: 9-10-11-12	GRADING SCALE: Unweighted	PREREQUISITE:	See Counselor
<p>This course is offered off site through the Peyton/Widefield Vocational Education Campus on 4450 Foreign Trade Zone Boulevard. 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. Students will be receiving instruction and training, while also earning U.S. Department of Labor-recognized industry certificates.</p>			
<p><i>Students will commute to and attend classes during the school day, Monday through Friday.</i></p>			

Mechanical, Electrical & Plumbing Systems A/B

Need specific Course #
08MILL

CREDIT: 2.0	COURSE LENGTH: Year	CREDIT TYPE: 1.0 CTE Math & 1.0 Physical Science Per Semester
GRADE: 10-11-12	GRADING SCALE: Unweighted	PREREQUISITE: Construction Technology A/B

This course is offered off site through the Peyton/Widefield Vocational Education Campus on 4450 Foreign Trade Zone Boulevard. Mechanical, Electrical, and Plumbing Systems prepares students for electrical, plumbing, and HVAC careers by introducing students to the physical principles of these systems and the fundamental skills needed to work with them. Upon completion of this course, proficient students will be able to follow safety procedures and use tools to perform basic operations with electrical circuits, as well as demonstrate understanding in fundamental concepts of electricity theory (i.e. Ohm's Law). Students will be able to apply proper tools and procedures to perform basic operations with plastic piping, including measuring, cutting, and joining pipe. Furthermore, students will be able to apply mathematics concepts to solve HVAC, electrical, and plumbing problems. This course is intended to provide an introduction and lay a solid foundation for those students entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. This course also provides communication and occupation skills to assist the student in obtaining and maintaining employment. Students will be receiving instruction and training, while also earning U.S. Department of Labor-recognized industry certificates.

Students will commute to and attend classes during the school day, Monday through Friday.

Carpentry Technology IIA/IIB

Need specific Course #
08MILL

CREDIT: 2.0	COURSE LENGTH: Year	CREDIT TYPE: 1.0 CTE Math & 1.0 Physical Science Per Semester
GRADE: 11-12	GRADING SCALE: Unweighted	PREREQUISITE: Mechanical, Electrical & Plumbing A/B

This course is offered off site through the Peyton/Widefield Vocational Education Campus on 4450 Foreign Trade Zone Boulevard. In Construction Technology II, students will gain advanced knowledge and skills needed to enter the workforce as carpenters, building maintenance technicians or supervisors, or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will build on the knowledge base from Construction Technology I and are introduced to exterior and interior finish out skills. Students will be receiving instruction and training, while also earning U.S. Department of Labor-recognized industry certificates.

Students will commute to and attend classes during the school day, Monday through Friday.

Construction Technology IIA/IIB

Need specific Course #
08MILL

CREDIT: 2.0	COURSE LENGTH: Year	CREDIT TYPE: 2.0 Elective Credits Per Semester
GRADE: 11-12	GRADING SCALE: Unweighted	PREREQUISITE: Carpentry Technology A/B

This course is offered off site through the Peyton/Widefield Vocational Education Campus on 4450 Foreign Trade Zone Boulevard. In Construction Technology II, students will gain advanced knowledge and skills needed to enter the workforce as carpenters, building maintenance technicians or supervisors, or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will build on the knowledge base from Construction Technology I and are introduced to exterior and interior finish out skills. Students will be receiving instruction and training, while also earning U.S. Department of Labor-recognized industry certificates.

Students will commute to and attend classes during the school day, Monday through Friday.

International Salon & Spa Academy

This cosmetology program is offered through the International Salon and Spa Academy in Colorado Springs. Students will be prepared to take the Colorado State Board examination, to render service to patrons, and conscientiously prepare to be an asset to future employers. This course is approved and regulated by the Colorado Department of Higher Education, Division of Private Occupational Schools. Students, who meet the requirements, must participate in the ISSA Informational Meeting occurring in the Spring Semester prior to the year of enrollment and will complete the application with their counselor in Spring Semester prior to the year of enrollment. Attendance is crucial for success within this program. If students fail any classes, then they will be required to pay tuition and fees associated with the failed class. Students interested in ISSA Program must schedule a meeting with their assigned counselor.

Cosmetology (ISSA)		09AVPCOS/09AVPCOS2	
CREDIT:	3.0	COURSE LENGTH:	Year
CREDIT TYPE:	Various, See Counselor		
GRADE:	11-12	GRADING SCALE:	Unweighted
PREREQUISITE:	See Counselor		
This course is offered through the International Salon and Spa Academy in Colorado Springs. Students will be prepared to take the Colorado State Board examination, to render service to patrons and conscientiously prepare to be an asset to future employers.			
<i>Students will commute to and attend classes during the school day, Monday through Friday. This course is approved and regulated by the Colorado Department of Higher Education, Division of Private Occupational Schools.</i>			