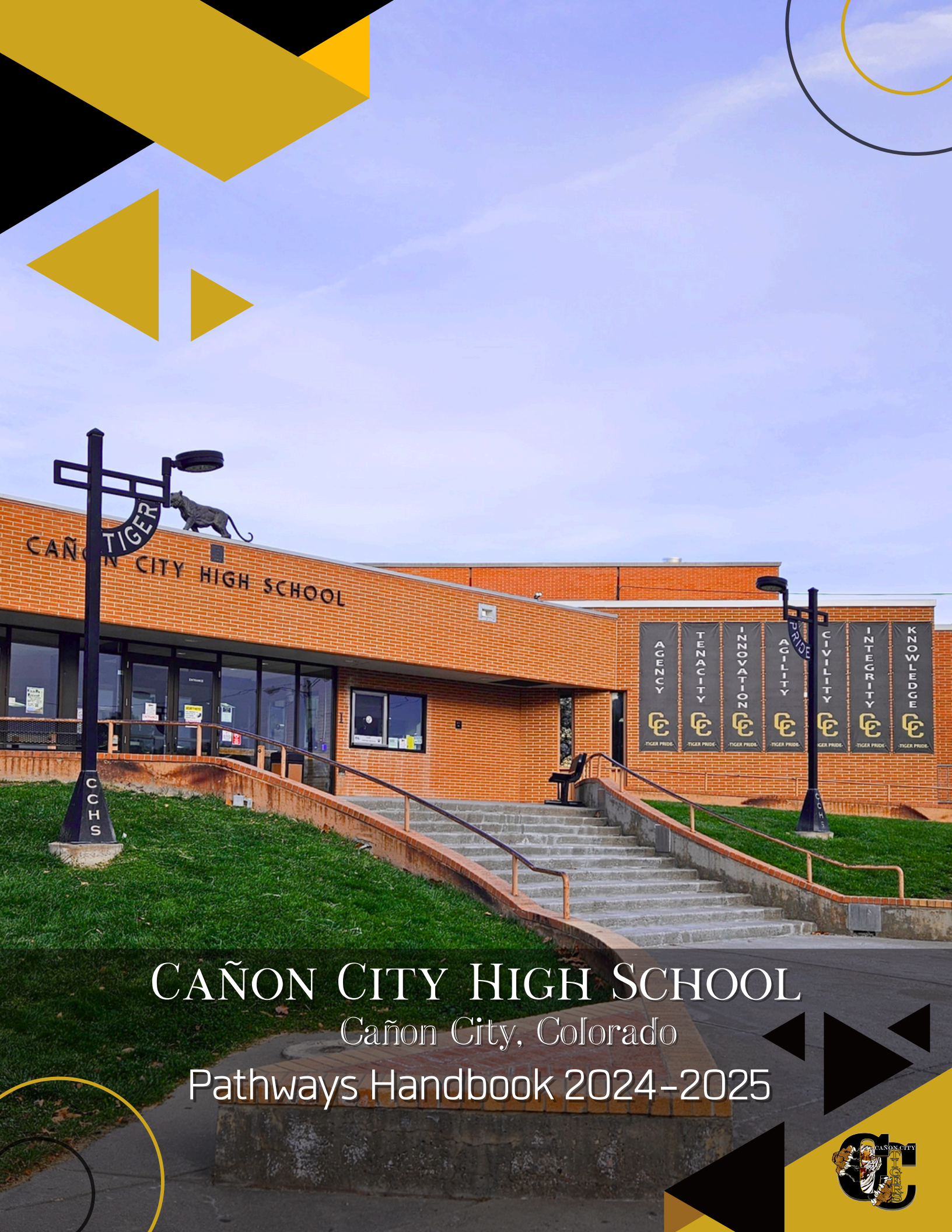

Cañon City High School

Cañon City, Colorado

Pathways Handbook 2024-2025

School District Fremont RE-1 does not unlawfully discriminate on the basis of race, color, sex, religion, national origin, ancestry, creed, age, marital status, sexual orientation, genetic information, disability or need for special education services in admissions, access to, treatment, or employment in educational programs or activities which it operates.

Complaint procedures have been established for students, parents, employees, and members of the public. Complaints may be filed verbally, in writing or anonymously. If you wish to file a complaint using the district complaint form, please submit to: Ms. Jamie Davis, Director of Human Resources, Title IX, Section 504, and Americans with Disabilities Act Coordinator, 101 North 14th Street, Cañon City, Colorado 81212 - Telephone: (719)276-5700, Email:jamie.davis@canoncityschools.org

The Cañon City Schools Board of Education has approved the content of this Pathways Handbook.

Content in this Handbook is subject to change, including but not limited to course offerings, college credit availability, pre-requisites, etc.

For the most current version of this handbook, please visit the digital version:

CAÑON CITY HIGH SCHOOL

Tiger Family,

The CCHS Pathways program is designed to provide learning relevance and engagement and prepare students for postsecondary education and the workforce. Students may earn early college credits toward an Associate's Degree and industry-standard certifications while pursuing a high school diploma. Further, every student experiences the workforce through our Professional and Internship Community Experience (PalCE) graduation requirement.

CCHS students begin a Pathways journey by completing the Freshman Base Camp. The "Camp" provides freshmen a foundation to build their chosen Pathway.

The Pathways Program at CCHS consists of seven Pathways:

1. Arts, Hospitality, and Education
2. Business
3. Health
4. Pathways in Technology Early College High School (PTECH)
5. Skilled Trades, Security, and Industry
6. Science, Technology, Engineering, Agriculture, and Math (STEAM)
7. Tiger Open Pathway (TOP)

Pathways students follow a curriculum with rigorous academic coursework, career-oriented courses, project-based learning activities, and research-oriented community projects, including a graduation Capstone.

Finally, Pathways purposefully restructures our 1,000-student high school into smaller learning communities, creating viable lanes from high school to workforce, college, and careers.

Bill Summers

Principal, Cañon City HS
1313 College Ave.
Cañon City, CO 81212

Canon City High School Website:

CAÑON CITY SCHOOL DISTRICT APPROVED GRADUATION REQUIREMENTS

All students must accomplish a Capstone to graduate unless a student moves into the district after the final day of a student's junior year.

Subject Area	Credit Requirements Classes of 2025 and beyond
English Language Arts	5 units of credit
Mathematics	4 units of credit
Science	2 units of credit
Social Studies	3.5 units of credit
Health/Physical Education	1.5 units of credit
Humanities	2 units of credit
Career & Technical Education	2 units of credit
Capstone	0.5 unit of credit
Internship or Work Study	1 unit of credit
Computer Education	0.5 unit of credit
Elective	10 units of credit
Total	**32**

CAÑON CITY SCHOOL DISTRICT APPROVED GRADUATION REQUIREMENTS

All students must accomplish a Capstone to graduate unless a student moves into the district after the final day of a student's junior year.

Capstone (Required of all students)	
English	**Math**
Successful completion of district approved Capstone	Successful completion of district approved Capstone

In the case of a student entering the district after the final day of the student's junior year, a test score above these levels must be attained in both math and ELA for the student to graduate. These students may also voluntarily complete a Capstone in place of testing via the American Government Public Policy requirement.

Accuplacer		ACT		Advanced Placement (AP)	
English	**Math**	**English**	**Math**	**English**	**Math**
62	61	18	19	2	2

ASVAB		SAT		ACT Work Keys	
English	**Math**	**English**	**Math**	**English**	**Math**
31	31	470	500	Bronze or higher	Bronze or higher

Concurrent Enrollment	
English	**Math**
"C" or higher in PCC's ENG 1021	"C" or higher in any PCC Math Course

CORE ACADEMIC REQUIREMENTS

- **ENGLISH LANGUAGE ARTS:** requirements are listed in the tables:
  - CCHS English Department Course List in this handbook
  - CCS RE-1 Board of Education Policy IKE-2
- **MATHEMATICS:** requirements are listed in the following tables:
  - CCHS Math Tracks diagram in this handbook
  - CCS RE-1 Board of Education Policy IKE-2
- **COMPUTER EDUCATION:**
  - Introduction to PC Applications (required)
- **SCIENCE**:
  - NOTE: Students planning to attend a Colorado four-year college/university are required to have three years of natural science--two must be lab courses
  - One credit in 9th grade level science (attempted)
  - One credit in 10th grade level science (attempted)
- **SOCIAL STUDIES**:
  - One (1.0) credit of U.S. History or (H) U.S. History is required for sophomores or juniors
  - One (1.0) credit of American Government or AP Government & Politics is required for juniors or seniors
  - One and a half (1.5) elective credit is required
- **PHYSICAL HEALTH & EDUCATION:**
  - Choices (required)

TRAITS/SKILLS AND CAPSTONE PROJECT

The Capstone project is a multifaceted graduation requirement for all students that challenges them to think critically, solve challenging problems, and develop life skills. Projects are interdisciplinary, requiring students to apply skills across different subject areas. These projects encourage students to connect their projects to community issues and to integrate outside-of-school learning experiences including activities such as interviews, observations, and internships. The table below shows the typical requirements and within what course they can be accomplished. The Capstone is student-driven and student-managed and does not have to follow the typical timeline if a student wishes to complete it earlier in his or her high school experience. However, presentations prior to students' Junior year will not be allowed. The Capstone process is clearly defined on the CCHS Traits/Skills & Capstone Website below.

Grade	Traits/Skills and Capstone Components	CCHS Course Support
9th	Career Exploration and Selection Introduction to the Traits/Skills, Unrulr portfolio	• Traits/Skills Advisory Course - begins during 2nd semester (a P/F graded course that earns 0.25 credits per quarter) • Freshman English--including pathways panels

Grade	Traits/Skills and Capstone Components	CCHS Course Support
10th	Continued Exploration of Traits/Skills, Unrulr portfolio, group dynamics, PaICE Internship Support	• Traits/Skills Advisory Course (a P/F graded course that earns 0.25 credits per quarter) • Sophomore ELA--write the Presearch Paper
11th	Explore, plan, and execute the Capstone project; secure a professional consultant	• Capstone Advisory Course (a P/F graded course that earns 0.25 credits per quarter) • Complete internship; internships are encouraged to align with the student's capstone project and fieldwork
12th	Present Capstone no later than the end of the first semester	• Capstone Course (a quarter-long P/F graded course that earns 0.5 credits) • A senior must pass the Capstone project to graduate

GENERAL REGISTRATION INFORMATION

To be classified as a full-time student, a student must be enrolled for the equivalent of four blocks of instruction (excluding Independent Study). A maximum class load is attained by taking five subjects per quarter. A student may take a sixth class (online or early college) with administrative approval. All freshman, sophomore, and junior students are required to take five classes unless approved by an administrator.

CLASS REGISTRATION

The annual master class schedule is built after students select courses. The number of sections, teaching allocations, and block assignments are made based on student registration requests. It is possible that a class may not be offered if too few students register for it.

During the second semester, freshmen students select courses they intend to take for the next three school years. Changes can be made after the first semester each year. Students/guardians should request courses that are in-line with a student's post-secondary plans, using the Pathways Handbook. Students must include at least three full semester alternative courses, or the equivalent, when completing registration. These alternative courses will be used if requested classes are in conflict.

SCHEDULE CHANGE POLICY

Any changes after the master schedule is published undermine the core scheduling process. Withdrawals from courses could jeopardize the offering of any course, especially second semester, which will have a direct impact on the other enrolled students. A "W" (Withdrawal) will be placed on a student's transcript when there is withdrawal from any requested course each quarter the class was scheduled. Students are responsible for ensuring their schedule and/or adjusted schedule meet athletic/extracurricular eligibility requirements. A "W/F" (Withdrawal/Fail) will be placed on a student's transcript if the student drops after the first five school days of class.

Students will receive their next-year's schedule prior to the end of the current-year registration process for an opportunity to make changes by contacting their CCHS counselor. Schedule changes will not be made to move a student into a course that pairs him/her with a friend, to select one teacher over another teacher that instructs the same course, or because of the time of day a specific course is taught. Schedule changes are not allowed after the end of the registration process unless necessary due to failure.

ACADEMIC FAILURE AND TIGERS ONLINE CREDIT RECOVERY POLICY

Students who fail required graduation classes will not be allowed to take that course again other than at their own expense during credit recovery or Summer School. The course payments must be made prior to graduation. If a student fails to earn the credit within the session, the session cost will not be refunded. Correspondence/online opportunities may be taken with administrative approval.

If a student fails a class due to non-compliance or non-productivity within the Work and/or Friday Sessions program, he or she will be placed into the Tigers Online Credit Recovery course for the remainder of the quarter.

ACADEMIC IMPROVEMENT COURSE (AIC)

Academic Improvement Class (AIC) - If a student requires academic support, they may be placed into the Academic Improvement Course. Students have time and focused instructional support to work on their courses so as to improve or maintain their grades. AIC is a P/F class that earns 0.25 credit per quarter. This course does not positively affect a student's GPA calculation. For students with an IEP, with admin approval, an IEP manager may assign a student both coursework and AIC to fill an area of credit deficiency.

EXCEPTIONAL STUDENT SERVICES

CCHS will develop an Individual Education Plan (IEP) for students identified as having an educational disability. This plan will be formulated through an appropriate legal process in cooperation with parents or legal guardians. The successful completion of this plan will qualify the student for graduation.

COLLEGE ATHLETIC ELIGIBILITY

Any student-athlete who plans to play sports in college at a Division I or Division II school must be registered with the NCAA Clearinghouse. It is recommended that student-athletes register with the NCAA during their junior year. Information and registration procedures may be found at https://web3.ncaa.org/ecwr3/. Procrastination in this process may result in athletic ineligibility during freshman year of college. See your counselor for more information on which CCHS courses meet NCAA eligibility.

If a student plans to participate in an NAIA school, the student must register with the NAIA Clearinghouse during their junior year. Information and registration procedures may be found at https://play.mynaia.org/.

NCAA Approved Courses		
English Language Arts	• English 9 • (H) English 9 • English 10 • (H) English 10 • English 11 • Career Communication & Writing	• American Literature & Argument • AP Language & Composition • World Literature • AP Literature & Composition • Analytical Reading & Writing • Creative Writing • (H) Public Speaking
Mathematics	• Algebra I Part I • Algebra I Part II • Math for Liberal Arts • Geometry • Statistics • (H) Algebra II • (H) College Algebra	• AP Statistics • (H) Trigonometry • AP Calculus • AP Computer Science Principles • AP Computer Science A
Science	• Environmental Science A • Environmental Science • (H) Integrated Science • (H) Principles of Biomedical Science • Biology A • Biology • (H) Water Quality and Ecology • (H) Hydrology and Watersheds	• Geology • (H) Rockets Design I (SYSTEMS GO) • (H) Rockets Design II (SYSTEMS GO) • (H) Rockets Design III (SYSTEMS GO) • (H) Chemistry • AP Chemistry • AP Physics
Social Studies	• World Geography A • World Geography • US History • (H) US History Since the Civil War • American Government • AP Government and Politics • World History	• International Relations • Colorado History • (H) Colorado History • AP European History • AP Art History • General Psychology I • AP Psychology • Intro to Criminal Justice

NCAA Approved Courses		
World Languages	• Spanish I • Spanish II • (H) Spanish III • (H) Spanish IV	• French I • French II

CAÑON CITY SCHOOLS GRADE POINT AVERAGE CALCULATION AND STUDENT STRATIFICATION

The Cañon City School District (CCSD) Board of Education has established the following process to calculate grade point averages (GPAs), and stratification for all students enrolled in the high school.

1. CCHS does not publicly release student rank outside of a percentage stratification (top 5%, top 10%, top 25%, and top 50%)
2. Specific numerical rank is available with the following parameters:

- Rank is based on GPA, under a 4.0-weighted system, with the possibility of earning weighted points as shown below
- Specific rank is only accessible by the Principal and Counselors
- If exact ranking is REQUIRED, the Counseling Department or Principal can provide "_ of _ ranking" directly to an institution of higher education or scholarship committee upon specific and verified request

Honors and Concurrent Enrollment Courses:	**Verified AP Courses:**
A = 4.5	A = 5.0
B = 3.5	B = 4.0
C = 2.5	C = 3.0
D = 1.5	D = 2.0
F = 0.0	F = 0.0

  - All completed Honors and Concurrent Enrollment Courses (if taken for concurrent credit through PCC) will be on a 4.5 GPA scale based on the 4.5 scale above
  - All completed Advanced Placement (AP) courses will be on a 5.0 GPA scale based on the 5.0 scale above only if the students take the AP Test and receive a score of "2" or higher
    - If the test is not taken or the student scores a "1" or "0," the above point system will revert to the "Honors and Concurrent Enrollment 4.5 GPA" scale system as listed above

NOTE: GPA = total number of grade points earned divided by the total number of letter-graded units attempted

3. Most courses will have a letter grade assigned and be a single contributor to the GPA calculation, including eighth-grade advanced math taken at the high school (includes Algebra I Part II and/or Geometry) and courses taken outside of CCHS (e.g., a college or online course) which must have prior administrative approval (see counselors for the approval form). Courses that are designated as a "Pass" or "Fail" class will not contribute to the GPA calculation for a grade of "P," but they will contribute to GPA calculation for a grade of "F"

4. Other considerations:

- Students who transfer to CCHS from another school must attend the entirety of the second semester of their junior year in order to be stratified under the CCHS system
- Any course that modifies content or grading for students on an Individualized Education Plan (IEP) will not count in the GPA calculation. In order to be stratified, a student must have 80% of his or her 4-year curriculum contained within the non-modified category

PATHWAYS TO YOUR FUTURE: ADVANCED COURSE OFFERINGS

NOTE: In order for a student to earn the AP designation on their transcript, the student must pass the course AND pass the AP test with a score of "2" or higher.

NOTE: CE & AP courses are dependent on the qualified staff available at CCHS during any given school year.

Honors & Concurrent Enrollment Courses (4.5 Scale)		
English Language Arts	• (H) English 9 • (H) English 10 • Career Communication & Writing • American Literature & Argument • World Literature • Analytical Reading & Writing	• Creative Writing • Yearbook • (H) Public Speaking • Drama III • Technical Theatre • Audio/Video Production I • Broadcast Production • Filmmaking
Mathematics	• Career Math • Technical Math • Financial Math • Math for Liberal Arts	• (H) Algebra II • (H) College Algebra • (H) College Statistics • (H) Trigonometry • Introduction to Computer Science
Science	• (H) Integrated Science • (H) Principles of Biomedical Science • (H) Human Body Systems • (H) Anatomy & Physiology • Environmental Horticulture • (H) General College Biology I with Lab • (H) Human Anatomy and Physiology I with Lab • (H) Human Anatomy and Physiology II with Lab	• (H) Water Quality and Ecology • (H) Hydrology and Watersheds • (H) Principles of Applied Engineering PAE (SYSTEMS GO) • (H) Rockets Design I (SYSTEMS GO) • (H) Rockets Design II (SYSTEMS GO) • (H) Rockets Design III (SYSTEMS GO) • (H) Chemistry
Social Studies	• (H) US History Since the Civil War • (H) Colorado History	• General Psychology I • Introduction to Criminal Justice

Honors & Concurrent Enrollment Courses (4.5 Scale)		
CTE: Business	• Introduction to Business • Social Media for Business • Fundamentals of Accounting	• (H) Accounting Principles II • Introduction to Entrepreneurship & Entrepreneurship I
CTE: Computer Technology	• Advanced PC Applications & Microsoft Office Specialist • Graphic Design & Adobe Photoshop I • Adobe Illustrator I • Web Design I	• Computer Information Systems • Computer Technician I: A+ • Computer Technician II: A+ • Networking I: Network+ • Networking II: Network+ • Network Security Fundamentals
CTE: Family & Consumer Science	• Child Development • Human Growth & Development • (H) Teacher Cadet I • (H) Teacher Cadet II	• ProStart I • Catering I • ProStart II
CTE: Pueblo Community College	• Introduction to Automotive Technology • Automotive Technology I • Automotive Technology II • Automotive Technology Internship • Introduction to Criminal Justice • Introduction to Fire Science I • Introduction to Fire Science II	• Introduction to Health Science • Human Nutrition and Health • Medical Terminology • Certified Nurse Aide (CNA) • Emergency Medical Responder • Emergency Medical Technician (EMT) • WEL 1000 • WEL 1002 • WEL 1003 • WEL 1004 • WEL 1006 • WEL 2050

Honors & Concurrent Enrollment Courses (4.5 Scale)		
CTE: Skilled Trades	• Carpentry Technology I • Carpentry Technology II • Design Thinking: Introduction to Engineering Design • Introduction to Drafting & Design Concepts	• (H) Principles of Engineering Design • (H) Applied Engineering Design • (H) Engineering Projects • Introduction to Machining • CNC Manufacturing
CTE: Technical Theatre	• Technical Theatre • Audio/Video Production I	• Broadcast Production • Filmmaking
Humanities: Art	• (H) Advanced Studio Art • Drawing II • Painting II	• Printmaking • Ceramics I & II • (H) Advanced Ceramics

Honors & Concurrent Enrollment Courses (4.5 Scale)		
Humanities: Dramatic Arts	• Drama II	• Drama III
Humanities: World Languages	• Arabic I • Arabic II	• Spanish III • Spanish IV
Student Programs	• Capstone • TigerTECH 12	• Invent2Prevent • PCC Independent Block

Verified AP Courses (5.0 Scale)	
English Language Arts	• AP Language and Composition • AP Literature and Composition

Verified AP Courses (5.0 Scale)	
Mathematics	• AP Statistics • AP Calculus • AP Computer Science Principles • AP Computer Science A
Science	• AP Chemistry • AP Physics
Social Studies	• AP Government and Politics • AP European History • AP Art History • AP Psychology
Humanities: Art	• AP Art and Design

GRADUATING WITH HONORS REQUIREMENTS
CLASS OF 2025 AND BEYOND

All candidates for honors distinction must meet these requirements:

Requirement	Honors/ AP	Honors/AP with Distinction	Honors for Excellence in CTE	Honors for Excellence in the Fine Arts
Number of total credits completed	36	38	36	36
Weighted GPA	3.75	4.0	Cumulative GPA of 3.5 or higher and GPA >3.75 in area of concentration	Cumulative GPA of 3.5 or higher and GPA >3.75 in area of concentration

Requirement	Honors/ AP	Honors/AP with Distinction	Honors for Excellence in CTE	Honors for Excellence in the Fine Arts
AP/ Honors/CE credits completed or specific program requirements	7	10	Meet specific program requirements	Meet specific program requirements
Behavior	Must not have been suspended under a Level 3 or 4 discipline violation (see the CCHS Student Handbook), expelled from school, or violated the school's academic integrity standards			

TIGERS ONLINE

To take courses online, students must register for Tigers Online through the counseling office. Counselors will determine the classes the student needs; the coordinator will enroll the student in Edgenuity for those courses. This is true for both Credit Recovery and first-time instruction. Students enrolled in Tigers Online are eligible to participate in all CCHS classes, clubs, athletics, and organizations. A meeting with the coordinator is required before students can begin their courses. Online courses taken by students with an IEP must be approved by the student's IEP team with clear documentation of how the student's services will be met. Online Edgenuity courses are not available for college credit. Students will be required to adhere to all building discipline standards. Students are required to participate in state testing. Online students will not be able to participate in the CCHS Honors Recognition Program unless they complete the majority of the requirements in a live setting. Tigers Online students are eligible to compete for local scholarships. Online students must meet all CCHS graduation requirements including 32 credits, a Capstone project, and an internship in order to graduate. Tigers Online follows the high school calendar and schedule.

Teachers from the core areas (English, math, science, and social studies) are available for extra help, tutoring, and remediation in the Tigers Online Resource Room 1st through 5th block. Edgenuity progress reports are sent home weekly via email. When necessary, courses will be curated to meet the unique needs of students. Scheduling can be determined by the student as long as classes are finished on time. Edgenuity courses allow for flexible scheduling. If appropriate progress is being made, first instruction students are allowed to complete assignments whenever and wherever it works best for them.

Attendance in Tigers Online is determined by the student being "on-track" in their online class. Therefore, students will be marked "Absent" from their online block, if they are behind in their class.

EDGENUITY COURSE EQUIVALENCY:

EDGENUITY COURSE LIST:

EDGENUITY COURSE CATALOG:

FLEX COURSES

Flex courses allow junior and senior students to learn through traditional live instruction and an online format where the student's presence at school is not always necessary. Within these courses, students will be allowed to flex no more than twice per week. Days of live attendance will be discussed and posted online each week on the Friday before and vary depending on the course/teacher. Teachers may increase the number of live scheduled classes at any time. Students who wish to do work from home can do so during non-live classroom days. Students may also be at the high school on non-live classroom days, provided they remain in either the teacher's classroom, the library, or the commons. Teachers will always be present in their classrooms during flex time to work with students who need extra support.

Seniors who take an independent block may only flex one course per semester. Students who do not have an independent block may flex up to two courses per semester. Flex courses will learn the same curriculum as students who take traditional courses, be assessed using the same assessments, and will receive the same credit through the same grading structure. The student will be responsible for checking in online daily, completing all daily activities, and completing all papers and projects online. On a non-live course day, students who complete their work online will be counted as present for attendance purposes regardless of their physical presence in the building.

Additionally, students who drop below 69.5% (C-) grade in a course will be expected to attend the class on non-live days until their grade is returned to above 69.5%. Attendance is taken normally if a student is returned to live classes.

Flex courses are denoted with an "x" in their course code.

FLEX COURSES LIST:

FREMONT MULTIDISTRICT INITIATIVE SHARED COURSES

The Fremont Multidistrict Initiative provides students expanded access to coursework offered at neighboring districts in Fremont County. These courses are open outside of your district without having to cross-enroll!

Transportation will be provided.

	Courses Offered	Location & Format
Vet Assistant Certification	• Introduction to Agriculture (Semester) • Animal Science (Semester)	CCHS FJSHS CotoPx FJSHS
	• Intermediate Veterinary Science • Foundations of Agri-Business (CE)	FJSHS FJSHS
	• Advanced Veterinary Science	FJSHS
	• Internship (300 hours)	COMMUNITY
	• BIO 1111 (CE)	FJSHS CotoPx

Location & Format Key: In Person / Hybrid / Online

CCHS: Canon City
FJSHS: Florence
CotoPx: Cotopaxi

*** All of these courses are year long unless noted otherwise.**

CAREER & TECHNICAL EDUCATION PROGRAMS

CTE Program	Level 1	Level 2	Level 3	Level 4
Agriculture, Food, & Natural Resources	Animal Science (FMI) Introduction to Agriculture	Foundations of Agribusiness (FMI) Intermediate Veterinary Science (FMI)	Advanced Veterinary Science (FMI)	Internship (300 hours) (FMI)
Aviation Flight	Introduction to Aviation and Aerospace	Aviation Weather and Aerodynamics		
Business, Management, & Marketing	Introduction to Business Introduction to Economics Introduction to PC Applications Personal Finance	Fundamentals of Accounting Principles of Marketing	Accounting Principles II Advanced PC Applications & Microsoft Office Specialist Graphic Design & Adobe Photoshop I Social Media for Business Web Design I	Introduction to Entrepreneurship & Entrepreneurship I
Construction Trades	Woodworking Technology I Woodworking Technology II	Carpentry Technology I	Carpentry Technology II	

CAREER & TECHNICAL EDUCATION PROGRAMS

CTE Program	Level 1	Level 2	Level 3	Level 4
Education	Choices Culinary Nutrition Interpersonal Relationships	Teacher Cadet I	Teacher Cadet II	
Engineering & Technology	Introduction to Engineering Design Introduction to Drafting & Design Concepts	(H) Principles of Engineering Design	(H) Applied Engineering Design	
Hospitality & Food Production	Choices Culinary Essentials I & II Culinary Nutrition Design Seminar Interpersonal Relationships	Catering I ProStart I	ProStart II	

CAREER & TECHNICAL EDUCATION PROGRAMS

CTE Program	Level 1	Level 2	Level 3	Level 4
Interior Design & Fashion Design	Choices Design Seminar Interpersonal Relationships	Fashion Design and Merchandising I Fashion Design and Merchandising II Interior Design I: Residential		
Manufacturing Trades	Principles of Manufacturing A Principles of Manufacturing B	Introduction to Machining	CNC Manufacturing	
Multimedia	Foundations of Multimedia Production	Audio/Video Production I Broadcast Production	Filmmaking	
Nurse Aide	Introduction to Health Science	Human Nutrition and Health	Certified Nurse Aide (CNA)	
Technical Theatre	Foundations of Multimedia Production	Audio/Video Production I Broadcast Production Technical Theatre	Filmmaking	

INDUSTRY-STANDARD CERTIFICATIONS

Course	Certification	CDIP
Automotive		
Auto Technology I & Auto Technology II	Comprehensive List of Certificates • Subaru University • Ford ACE • Valvoline • National Safety Compliance • Tire Industry Association • GM/AC Delco • Hyundai • Gates • Timken Tech • ASE • Pro-Cut • Snap-On • S/P2 Fusion	(See list of Certs)
Aviation & Aerospace		
Aviation Weather and Aerodynamics	Federal Aviation Administration • FAA Private Pilot Knowledge Examination	
Business		
Accounting II	Intuit Quickbooks via Certiport • QuickBooks Certified User Online Version	X
Introduction to Entrepreneurship & Entrepreneurship I	Entrepreneurship and Small Business via Certiport • ESB: Entrepreneurship and Small Business	X
Social Media for Business	Stukent Industry-Vetted Certification via Stukent • Social Media Marketing Certification	X
Computer Technology		
Advanced PC Applications & Microsoft Office Specialist	Microsoft Office Program via Certiport • Word Associate • Excel Associate • PowerPoint Associate • Microsoft Office Specialist Associate	X

INDUSTRY-STANDARD CERTIFICATIONS

Course	Certification	CDIP
Computer Information Systems	IC3 Digital Literacy Certification via Certiport • Global Standard 6 Level 1 • Global Standard 6 Level 2 • Global Standard 6 Level 3 IT Certifications via CompTia • IT Fundamentals Pro Certification • ITF+	X
Computer Technician I: A+ & Computer Technician II: A+	IT Certifications via CompTia • A+ • PC Pro • Network Pro	X
Filmmaking	Adobe Certified Professional via Certiport • Digital Video using Adobe Premiere Pro	X
Graphic Design & Adobe Photoshop I	Adobe Program via Certiport • Graphic Design & Illustration Using Adobe Illustrator • Visual Design Using Adobe Photoshop • Visual Design	X
Networking I: Network + & Networking II: Network +	IT Certifications via CompTia • Network+	X
Web Design I (By student interest)	IT Specialist- HTML & CSS via Certiport • Certified Professional in Web Authoring Using HTML & CSS	X
Construction Trades		
Carpentry Technology I & Carpentry Technology II	Home Builders Institute • HBI Pact Core/Osha 10 • HBI Pact Carpentry • HBI Pact Green Building • HBI Pact Electrical • HBI Pact HVAC • HBI Pact Plumbing • HBI Pact Painting and Finishing • HBI Pact Landscaping • HBI Pact Building Technology • HBI Pact Masonry	X
Electrical Construction I	TBD	TBD

INDUSTRY-STANDARD CERTIFICATIONS

Course	Certification	CDIP
Engineering & Design		
Introduction to Drafting & Design Concepts	Solidworks • Solidworks Associate Certification	X
(H) Applied Engineering Design	ADDA • Solidworks Professional Certification • ADDA Apprentice Drafter	X
Health Science		
Emergency Medical Responder	American Heart Association • CPR	
Certified Nurse Aide (CNA)	Board of Nursing: CNA • Certified Nurse Aide	X
	American Heart Association • CPR	
Emergency Medical Technician (EMT) (PCC Campus Only)	Pueblo Community College • EMT Certification	X
Hospitality & Food Production		
Culinary Essentials I & II	S/P2 Culinary • Food Safety • Career Skills	
Prostart I	ServSafe • Food Handler National Restaurant Association • Foundation of Restaurant Management & Culinary Arts Level 1	
Prostart II	ServSafe • Food Manager	X
	National Restaurant Association • Foundation of Restaurant Management & Culinary Arts Level 2	

INDUSTRY-STANDARD CERTIFICATIONS

Course	Certification	CDIP
Manufacturing		
Introduction to Machining & CNC Manufacturing	NIMS Machining • Level 1 Certifications	X
Welding		
WEL 1000-Safety for Welders & WEL 1002-Oxy-Acetylene Joining Process & WEL 1003-Basic Shielded Metal Arc Welding I & WEL 1004-Basic Shielded Metal Arc Welding II	Pueblo Community College • Introductory Structural Certificate	

To visit the websites for these industry standard certifications, please visit the digital version of this handbook:

FREMONT COUNTY OCCUPATIONAL SNAPSHOT:

Freshman Tiger Base Camp

The mission of Cañon City High School's Freshman Base Camp is to help new Tigers transition into The Pride community where they will be empowered to achieve success academically and socially.

Just like beginning mountain climbers learning to traverse their first Colorado 14er, incoming freshmen at Cañon City High School might need the help of a group of experienced high school students and teachers to fill their backpacks and gather their bearings in the building where they will be spending much of the next four years.

As a freshman, students will be challenged with 10.5 credits. Freshman Base Camp offers several new and exciting concept programs:

- Freshman Base Camp offers mostly cohort scheduling for freshmen so they get a chance to learn together and build relationships with same-age peers and teachers to help provide academic and social support while they navigate the road ahead.
- Students will be required to take a year-long English class where career skills are incorporated, including time management, organization, public speaking, and research skills.
- Students will be required to take two math classes during their freshman year, cementing these skills and preparing them for the PSAT 9 test.
- Students will receive individual counselor assistance with academic and social issues, including coping and stress management techniques.
- All freshmen will be assigned to an upper-class Link Crew leader before the school year begins in a 12 to 2 ratio. The Link Crew program is designed to make the transition to high school, academically and socially, easier and more successful. Please ask your student who his or her leader is and encourage maximum participation in all Tiger Pride events!

Through these programs and relationships, students will embark on their quest and select specific Pathways to help them prepare for whatever college or career path they choose. At the end of their first year, we hope all incoming Tigers will be prepared to continue to their future, with the eventual goal of reaching the summit--graduation!

Freshman Tiger Base Camp Courses		
Required Core	English Language Arts (2 credits): • Language Arts 1, 2, 3, or 4 OR • English 9 OR • (H) English 9 Mathematics (2 credits): • Foundations of Algebra A • Foundations of Algebra • Algebra I Part I • Algebra I Part II • Geometry • (H) Algebra II	Science (1 credit): • Environmental Science A OR • Environmental Science OR • Introduction to Agriculture OR • (H) Integrated Science Social Studies (0.5 credit): • World Geography A OR • World Geography
Required Electives	Physical and Health Education: • Choices	Computer Education • Introduction to PC Applications A OR • Introduction to PC Applications
Optional Core	Mathematics • Introduction to Computer Science	Science • (H) Principles of Biomedical Science • (H) Principles of Applied Engineering PAE (SYSTEMS GO)
Optional Electives	CTE: AJROTC • AJROTC I • AJROTC Specials-Air Rifle Marksmanship • AJROTC Specials-Color Guard/ Drill Team • AJROTC Specials-RAIDERS	CTE: Business • Personal Finance I • Introduction to Business CTE: Family & Consumer Science • Culinary Nutrition • Culinary Essentials I & II • Design Seminar • Interpersonal Relationships

Freshman Tiger Base Camp Courses		
Optional Electives	CTE: Pueblo Community College • Introduction to Automotive Technology (PTECH only; second semester only) • Introduction to Health Science CTE: Skilled Trades • Survey of Automotive Technolgy • Survey of Welding • Woodworking Technology I • Woodworking Technology II • Design Thinking: Introduction to Engineering Design • Principles of Manufacturing A • Principles of Manufacturing B CTE: Technical Theatre • Foundations of Multimedia Production • Technical Theatre Humanities: Art • Printmaking • Drawing & Painting • Drawing II • Painting II • Ceramics I • Ceramics II • Ceramics I & II	Humanities: Dramatic Arts • Drama I • Drama II Humanities: Music • Marching Band • Symphonic Band • Percussion • Jazz Band • Music Appreciation • Concert Choir Humanities: World Languages • Arabic I • Arabic II • French I • French II • Spanish I • Spanish II Physical & Helath Education • Body Works (Quarters 1-4) • Foundations of Crossfit (Quarters 1-4) • Weightlifting (Quarters 1-4) • Sports for Life (Quarters 1-4) • Advanced Sports for Life (Quarters 1-4)

CCHS MATH TRACKS**

All CCHS students may select math courses based on the recommendations made in the CCHS Math Tracks diagram listed below. At no time will a student be locked-in to a path; however, failure of specific math courses may earn consideration to take certain courses based on math proficiency and career choice.

CAREER & TECHNICAL EDUCATION (CTE) PATH

BACHELOR'S OF ARTS (BA) PATH

BACHELOR'S OF SCIENCE (BS) PATH

Foundations of Algebra A OR
Foundations of Algebra OR
Algebra I Part I

CTE Path 1

- Algebra I Part II
- (H) Algebra II
- (H) College Algebra
- Intro to Computer Science **OR** AP Computer Science Principles

CTE Path 2

- Career Math **AND/OR** Technical Math
- Financial Math
- Statistics

CTE Path 3

- Algebra I Part II
- Geometry
- Career Math **OR** Technical Math

BA Path 1

- Algebra I Part II
- Math for Liberal Arts **OR** (H) Algebra II
- Statistics **OR** AP Statistics **OR** Financial Math

BS Path 1

- Algebra I Part II
- Geometry
- (H) Algebra II
- (H) College Algebra
- (H) Trigonometry
- AP Calculus

BS Path 2

- Algebra I Part II
- Math for Liberal Arts **OR** (H) Algebra II
- AP Statistics

BS Path 3

- Algebra I Part II **AND** Intro to Computer Science
- Geometry
- (H) Algebra II **AND** AP Computer Science Principles
- (H) College Algebra **AND** AP Computer Science A

**Please refer to your Pathway to determine the best math track for your future goals.

PATHWAYS TO CAREERS MATH CURRICULUM INFORMATION:

Pathways Section

Arts, Hospitality, & Education Pathway

Overview:

The Arts, Hospitality, & Education Pathway offers eight (8) sub-pathways:

- Audio & Video Media Arts; Technical Theatre
- Dramatic Arts
- Education
- Hospitality & Food Production
- Instrumental Music
- Interior Design & Fashion Design
- Visual Art & Design
- Vocal Music

For a comprehensive list of careers related to this pathway, scan this code:

Audio & Video Media Arts: Technical Theatre

Post-Secondary Employment Path	Post-Secondary Education Path
Careers: 1. Audio/Video Technician 2. Video Editor 3. Production Assistant 4. Stage Manager 5. Film and Video Editors and Camera Operators	**Careers:** 1. Audio Engineering 2. Director of Photography 3. Computer Graphics Engineer 4. Stage or Film Director 5. Lighting Designer 6. Stage Business Manager

Pathway Courses	Recommended Core Courses		Pathway Courses
Level 1 • Foundations of Multimedia Production	**English:** • English 11 • Creative Writing • Yearbook **Math (CTE Path 2):** • Career Math AND/OR Technical Math • Financial Math • Statistics **Science:** • Two (2) Science credits **Social Studies:** • One (1) Social Studies Elective	**English:** • ENG 1021 • ENG 1022 • (H) Public Speaking OR Creative Writing OR Yearbook **Math (BA Path I):** • Algebra I Part II • Math for Liberal Arts OR (H) Algebra II • Statistics OR AP Statistics OR Financial Math **Science:** • Two (2) Science credits AND • (H) Chemistry OR BIO 1111 **Social Studies:** • One (1) Social Studies Elective	**Level 1** • Foundations of Multimedia Production
Level 2 • Technical Theatre AND • Audio/Video Production I AND • Broadcast Production			**Level 2** • Technical Theatre AND • Audio/Video Production I AND • Broadcast Production
Level 3 • Filmmaking			**Level 3** • Filmmaking
Level 4 • Internship • Capstone			**Level 4** • Internship • Capstone

Recommended Clubs & Activities:

- Thespian Troupe 981
- Tiger Pit E-Sports
- FBLA (Future Business Leaders of America)
- TSA (Technical Student Association)

Dramatic Arts

Post-Secondary Employment Path	Post-Secondary Education Path
Careers: 1. Actor 2. Stage Carpenter 3. Stage Electrician 4. Stagehand 5. Props Master	**Careers:** 1. Director 2. Stage Designer 3. Production Manager 4. Technical Director 5. Theater Teacher

Pathway Courses	Recommended Core Courses		Pathway Courses
Level 1 • Drama I AND • Foundations of Multimedia Production	**English:** • English 11 • Creative Writing • Drama III OR Technical Theatre **Math (CTE Path 2):** • Career Math AND/OR Technical Math • Financial Math • Statistics **Science:** • Two (2) Science credits **Social Studies:** • One (1) Social Studies Elective	**English:** • ENG 1021 • ENG 1022 • (H) Public Speaking OR Creative Writing **Math (BA Path I):** • Algebra I Part II • Math for Liberal Arts OR (H) Algebra II • Statistics OR AP Statistics OR Financial Math **Science:** • Two (2) Science credits AND • (H) Chemistry OR BIO 1111 **Social Studies:** • One (1) Social Studies Elective	**Level 1** • Drama I AND • Foundations of Multimedia Production
Level 2 • Drama II AND • Technical Theatre AND • Audio/Video Production I AND • Broadcast Production			**Level 2** • Drama II AND • Technical Theatre AND • Audio/Video Production I AND • Broadcast Production
Level 3 • Drama III			**Level 3** • Drama III
Level 4 • Internship • Capstone			**Level 4** • Internship • Capstone

Recommended Clubs & Activities:

- Thespian Troupe 981
- FBLA (Future Business Leaders of America)
- TSA (Technical Student Association)
- FCCLA (Family, Career and Community Leaders of America)
- Speech & Debate
- D&D Club (Dungeons & Dragons)

Education

Post-Secondary Employment Path	Post-Secondary Education Path
Careers: 1. Tutor 2. Paraprofessional 3. Teacher/Library Assistant 4. School Office Secretary/Assistant 5. Early Childhood Education	**Careers:** 1. Elementary Teacher/Secondary Teacher 2. Post Secondary Teacher 3. Education Administration 4. School Counselor/Psychologist 5. Teaching English as a Second Language

Pathway Courses	Recommended Core Courses		Pathway Courses
Level 1 • Interpersonal Relationships	**English:** • ENG 1021 • Analytical Reading & Writing • (H) Public Speaking **Math (CTE Path 2):** • Career Math AND/OR Technical Math • Financial Math • Statistics **Science:** • Two (2) Science credits **Social Studies:** • PSY 1001	**English:** • ENG 1021 • ENG 1022 • (H) Public Speaking **Math (BA Path 1):** • Algebra I Part II • Math for Liberal Arts OR (H) Algebra II • Statistics OR AP Statistics OR Financial Math **Science:** • Two (2) Science credits AND • (H) Chemistry OR BIO 1111 **Social Studies:** • (H) US History Since the Civil War AND • (H) Colorado History AND • PSY 1001 **World Languages:** • At least two (2) credits	**Level 1** • Interpersonal Relationships
Level 2 • Human Growth & Development AND • Child Development			**Level 2** • Human Growth & Development AND • Child Development AND • (H) Teacher Cadet I
Level 3 • Advanced PC Applications & Microsoft Office Specialist			**Level 3** • (H) Teacher Cadet II AND • Advanced PC Applications & Microsoft Office Specialist
Level 4 • Internship • Capstone			**Level 4** • 6+ courses in content area • Internship • Capstone

Recommended Clubs & Activities:

- Link Crew Leadership
- Speech & Debate
- National Honor Society

Hospitality & Food Production

Post-Secondary Employment Path	Post-Secondary Education Path
Careers: 1. Prep Cook 2. Line Cook	**Careers:** 1. Baking and Pastry Arts 2. Chef/Pastry Chef 3. Caterer

Pathway Courses	Recommended Core Courses		Pathway Courses
Level 1 • Culinary Nutrition AND • Culinary Essentials I & II	**English:** • English 11 • Analytical Reading & Writing • (H) Public Speaking **Math (CTE Path 2):** • Career Math AND/OR Technical Math • Financial Math • Statistics **Science:** • Two (2) Science credits **Social Studies:** • One (1) Social Studies Elective	**English:** • ENG 1021 • ENG 1022 • Analytical Reading & Writing OR (H) Public Speaking **Math (CTE Path 2):** • Career Math AND/OR Technical Math • Financial Math • Statistics **Science:** • Two (2) Science credits **Social Studies:** • One (1) Social Studies Elective	**Level 1** • Culinary Nutrition AND • Culinary Essentials I & II
Level 2 • ProStart I AND • Catering I			**Level 2** • ProStart I AND • Catering I
Level 3 • ProStart II			**Level 3** • ProStart II
Level 4 • Internship • Capstone			**Level 4** • Internship • Capstone

Recommended Clubs & Activities:

- FCCLA (Family, Career and Community Leaders of America)

Instrumental Music

Post-Secondary Employment Path	Post-Secondary Education Path
Careers: 1. Music Tutor 2. Disc Jockey 3. Instrument Technician 4. Recording Studio Intern 5. Musician	**Careers:** 1. Music Educator 2. Music Therapist 3. Music Producer 4. Sound Engineer 5. Accompanist 6. Composer

Pathway Courses	Recommended Core Courses		Pathway Courses
Level 1 • Marching Band AND • Symphonic Band	**English:** • English 11 • Creative Writing • Drama III OR Technical Theatre	**English:** • ENG 1021 • ENG 1022 • Drama III OR Technical Theatre OR Creative Writing	**Level 1** • Marching Band AND • Symphonic Band
Level 2 • Level 1 AND • Wind Ensemble OR Percussion • Music Theory A AND • Music Theory B	**Math (CTE Path 2):** • Career Math AND/OR Technical Math • Financial Math • Statistics	**Math (BA Path I):** • Algebra I Part II • Math for Liberal Arts OR (H) Algebra II • Statistics OR AP Statistics OR Financial Math	**Level 2** • Level 1 AND • Jazz Band AND • Wind Ensemble OR Percussion • Music Theory A AND • Music Theory B
Level 3 • Level 1 & 2 AND • Jazz Band • Music Technology & Production	**Science:** • Two (2) Science credits	**Science:** • Two (2) Science credits AND • (H) Chemistry OR BIO 1111	**Level 3** • Level 1 & 2 AND • Music Technology & Production AND • Music Appreciation
Level 4 • Internship • Capstone	**Social Studies:** • One (1) Social Studies Elective	**Social Studies:** • One (1) Social Studies Elective	**Level 4** • Internship • Capstone

Recommended Clubs & Activities:

- Jazz Band (after school)
- Tiger Band Caroling
- Instrumental Solo/Ensemble
- CSU-Pueblo Festival of Winds
- FBLA (Future Business Leaders of America)
- Student Council
- Speech & Debate

Interior Design & Fashion Design

Post-Secondary Employment Path	Post-Secondary Education Path
Careers: 1. Tailor 2. Interior Designer 3. Fashion Stylist	**Careers:** 1. Fashion Designer 2. Interior Designer

Pathway Courses	Recommended Core Courses		Pathway Courses
Level 1 • Design Seminar AND • Interpersonal Relationships	**English:** • English 11 • Analytical Reading & Writing • Creative Writing **Math (CTE Path 2):** • Career Math AND/OR Technical Math • Financial Math • Statistics **Science:** • Two (2) Science credits **Social Studies:** • One (1) Social Studies Elective	**English:** • ENG 1021 • ENG 1022 • Analytical Reading & Writing OR Creative Writing **Math (BA Path I):** • Algebra I Part II • Math for Liberal Arts OR (H) Algebra II • Statistics OR AP Statistics OR Financial Math **Science:** • Two (2) Science credits AND • (H) Chemistry OR BIO 1111 **Social Studies:** • PSY 1001	**Level 1** • Design Seminar AND • Interpersonal Relationships
Level 2 • Fashion Design and Merchandising I AND • Fashion Design and Merchandising II AND/OR Interior Design I: Residential			**Level 2** • Fashion Design and Merchandising I AND • Fashion Design and Merchandising II AND/OR Interior Design I: Residential
Level 3 • N/A			**Level 3** • N/A
Level 4 • Internship • Capstone			**Level 4** • Internship • Capstone

Recommended Clubs & Activities:

- FCCLA (Family, Career and Community Leaders of America)
- Art Club

Visual Art

Post-Secondary Employment Path	Post-Secondary Education Path
Careers: 1. Muralist 2. Ceramic Artist 3. Freelance Artist 4. Makeup Artist/Fashion Designer 5. Book Illustrator	**Careers:** 1. Art Professor/Art Teacher 2. Art Historian/Museum Curator 3. Painter/Printmaker 4. Ceramicist/Sculptor 5. Art School: Various Degrees 6. Arts & Design Careers

Pathway Courses	Recommended Core Courses		Pathway Courses
Level 1 • Ceramics I AND • Drawing & Painting OR Printmaking	**English:** • English 11 • Creative Writing • Yearbook **Math (CTE Path 3):** • Algebra I Part II • Geometry • Career Math OR Technical Math **Science:** • Two (2) Science credits **Social Studies:** • AP Art History	**English:** • ENG 1021 • ENG 1022 • Creative Writing OR Yearbook **Math (BA Path 1):** • Algebra I Part II • Math for Liberal Arts OR (H) Algebra II • Statistics OR AP Statistics OR Financial Math **Science:** • Two (2) Science credits AND • (H) Chemistry OR BIO 1111 **Social Studies:** • AP Art History	**Level 1** • Ceramics I AND • Drawing & Painting AND • Printmaking
Level 2 • Ceramics II OR Drawing II OR Painting II			**Level 2** • Ceramics II AND • Drawing II AND • Painting II
Level 3 • (H) Advanced Ceramics OR (H) Advanced Studio Art			**Level 3** • (H) Advanced Ceramics OR (H) Advanced Studio Art
Level 4 • AP Art & Design • Internship • Capstone			**Level 4** • AP Art & Design • Internship • Capstone

Recommended Clubs & Activities:

- Art Club
- FCCLA (Family, Career and Community Leaders of America)
- FBLA (Future Business Leaders of America)
- D&D Club (Dungeons & Dragons)

Vocal Music

Post-Secondary Employment Path	Post-Secondary Education Path
Careers: 1. Vocal Music Tutor 2. Disney Parks Actor 3. Theatrical Stage Actor/Actress 4. Touring Back Up Musician/Singer 5. Religious Cantor	**Careers:** 1. Music Educator 2. Music Therapist 3. Theater Director 4. Studio Producer 5. Vocal Music Instructor

Pathway Courses	Recommended Core Courses		Pathway Courses
Level 1 • Concert Choir	**English:** • English 11 • Creative Writing • Drama III OR Technical Theatre	**English:** • ENG 1021 • ENG 1022 • Drama III OR Technical Theatre OR Creative Writing	**Level 1** • Concert Choir
Level 2 • Concert Choir OR Tiger Ladies (Encore! for Tenors & Bass) AND • Music Theory A AND • Music Theory B	**Math (CTE Path 2):** • Career Math AND/OR Technical Math • Financial Math • Statistics	**Math (BA Path 1):** • Algebra I Part II • Math for Liberal Arts OR (H) Algebra II • Statistics OR AP Statistics OR Financial Math	**Level 2** • Concert Choir OR Tiger Ladies (Encore! for Tenors & Bass) AND • Music Theory A AND • Music Theory B
Level 3 • Tiger Ladies OR Encore! AND • Vocal Performance	**Science:** • Two (2) Science credits	**Science:** • Two (2) Science credits AND • (H) Chemistry OR BIO 1111	**Level 3** • Tiger Ladies OR Encore! AND • Vocal Performance
Level 4 • Encore! AND • Vocal Performance (multiple quarters) • Internship • Capstone	**Social Studies:** • One (1) Social Studies Elective	**Social Studies:** • One (1) Social Studies Elective	**Level 4** • Encore! AND • Vocal Performance (multiple quarters) • Internship • Capstone

Recommended Clubs & Activities:

- Madrigal Singers
- Spring Musical
- All State Honor Choir
- CSU-Pueblo Honor Choir
- Fall Play
- Instrumental Ensembles
- Thespian Troupe 981
- Speech & Debate

Overview:

The Business Pathway offers two (2) sub-pathways:

- Business Accounting & Finance
- Business Leadership

For a comprehensive list of careers related to this pathway, scan this code:

Business Accounting & Finance

Post-Secondary Employment Path	Post-Secondary Education Path
Careers: 1. Staff Accountant 2. Small Business Ownership 3. Office Staff 4. Shift Supervisor 5. Financial Clerk	Careers: 1. Certified Public Accountant (CPA) 2. Chief Financial Officer (CFO) 3. Small Business Ownership 4. Auditor 5. Actuary 6. Human Resources

Pathway Courses	Recommended Core Courses		Pathway Courses
Level 1 • Introduction to PC Applications AND • Introduction to Business OR Introduction to Economics OR Personal Finance I	**English:** • English 11 • Analytical Reading & Writing • (H) Public Speaking **Math (CTE Path 2):** • Career Math AND/OR Technical Math • Financial Math • Statistics **Science:** • Two (2) Science credits **Social Studies:** • One (1) Social Studies Elective	**English:** • ENG 1021 • ENG 1022 • Analytical Reading & Writing **Math (BA Path I):** • Algebra I Part II • Math for Liberal Arts OR (H) Algebra II • Statistics OR AP Statistics OR Financial Math **Science:** • Two (2) Science credits AND • (H) Chemistry OR BIO 1111 **Social Studies:** • One (1) Social Studies Elective	**Level 1** • Introduction to PC Applications AND • Introduction to Business OR Introduction to Economics OR Personal Finance I
Level 2 • Fundamentals of Accounting			**Level 2** • Fundamentals of Accounting
Level 3 • Advanced PC Applications & Microsoft Office Specialist AND • (H) Accounting Principles II			**Level 3** • Advanced PC Applications & Microsoft Office Specialist AND • (H) Accounting Principles II
Level 4 • Introduction to Entrepreneurship & Entrepreneurship I • Internship • Capstone			**Level 4** • Introduction to Entrepreneurship & Entrepreneurship I • Internship • Capstone

Recommended Clubs & Activities:
- FBLA (Future Business Leaders of America)

Business Leadership

Post-Secondary Employment Path	Post-Secondary Education Path
Careers: 1. Social Media Manager 2. Small Business Ownership 3. Office Staff 4. Line Supervisor	Careers: 1. Chief Financial Officer (CFO) 2. Operations Manager 3. Market Analyst 4. Advertising Manager 5. Small Business Ownership

Pathway Courses	Recommended Core Courses		Pathway Courses
Level 1 • Introduction to PC Applications AND • Introduction to Business	**English:** • English 11 • Analytical Reading & Writing • (H) Public Speaking **Math (CTE Path 2):** • Career Math AND/OR Technical Math • Financial Math • Statistics **Science:** • Two (2) Science credits **Social Studies:** • One (1) Social Studies Elective	**English:** • ENG 1021 • ENG 1022 • Analytical Reading & Writing **Math (BA Path I):** • Algebra I Part II • Math for Liberal Arts OR (H) Algebra II • Statistics OR AP Statistics OR Financial Math **Science:** • Two (2) Science credits AND • (H) Chemistry OR BIO 1111 **Social Studies:** • One (1) Social Studies Elective	**Level 1** • Introduction to PC Applications AND • Introduction to Business
Level 2 • Tiger Production: Principles of Marketing			**Level 2** • Tiger Production: Principles of Marketing
Level 3 • Social Media for Business AND • Web Design I OR Graphic Design & Adobe Photoshop I			**Level 3** • Social Media for Business AND • Web Design I OR Graphic Design & Adobe Photoshop I
Level 4 • Introduction to Entrepreneurship & Entrepreneurship I • Internship • Capstone			**Level 4** • Introduction to Entrepreneurship & Entrepreneurship I • Internship • Capstone

Recommended Clubs & Activities:
- FBLA (Future Business Leaders of America)

Overview:

The Health Pathway offers three (3) sub-pathways:

- Exercise Health Science
- Medical Health Science
- Mental Health Science

For a comprehensive list of careers related to this pathway, scan this code:

Exercise Health Science

Post-Secondary Employment Path	Post-Secondary Education Path
Careers: 1. Coaching (high school) 2. Referee 3. Personal Trainer 4. CrossFit Trainer 5. Physical Therapist Assistant	Careers: 1. Physical Therapist 2. Sports Management 3. Physical Education Teacher 4. Exercise Physiologist 5. Scout 6. Dietitian/Nutritionist

Pathway Courses	Recommended Core Courses		Pathway Courses
Level 1 • PE courses (multiple semesters each year) AND • Introduction to Health Science	**English:** • English 11 • Career Communication & Writing • Analytical Reading & Writing **Math (CTE Path 2):** • Career Math AND/OR Technical Math • Financial Math • Statistics **Science:** • One (1) Freshman Science credit AND • (H) Principles of Biomedical Science AND • (H) Human Body Systems **Social Studies:** • PSY 1001	**English:** • ENG 1021 • ENG 1022 • Analytical Reading & Writing OR (H) Public Speaking **Math (BS Path 2):** • Algebra I Part II • Math for Liberal Arts OR (H) Algebra II • AP Statistics **Science:** • One (1) freshman science credit AND • (H) Principles of Biomedical Science AND • BIO 1111 AND • BIO 2101 AND • BIO 2102 **Social Studies:** • PSY 1001	**Level 1** • PE courses (multiple semesters each year) AND • Introduction to Health Science
Level 2 • Human Nutrition and Health AND • Human Growth and Development			**Level 2** • Human Nutrition and Health AND • Human Growth and Development AND • Emergency Medical Responder
Level 3 • Medical Terminology AND • Child Development			**Level 3** • Medical Terminology AND • Child Development AND • Certified Nurse Aide (CNA)
Level 4 • Internship • Capstone			**Level 4** • Internship • Capstone

Recommended Clubs & Activities:

- Tiger Athletics (various sports)
- HOSA (Future Health Professionals)

Medical Health Science

Post-Secondary Employment Path	Post-Secondary Education Path
Careers: 1. Certified Nurse Aide (CNA) 2. Medical Technician 3. Phlebotomist 4. Emergency Medical Technician (EMT)/ Paramedic 5. Patient Care Technician (PCT)	Careers: 1. Nurse 2. Doctor/Surgeon 3. Physician Assistant 4. Dentist 5. Radiologist

Pathway Courses	Recommended Core Courses		Pathway Courses
Level 1 • Introduction to Health Science	**English:** • English 11 • Career Communication & Writing • Analytical Reading & Writing **Math (CTE Path 2):** • Career Math AND/OR Technical Math • Financial Math • Statistics **Science:** • One (1) Freshman Science credit AND • (H) Principles of Biomedical Science AND • (H) Human Body Systems **Social Studies:** • PSY 1001	**English:** • ENG 1021 • ENG 1022 • Analytical Reading & Writing OR (H) Public Speaking **Math (BS Path I):** • Algebra I Part II • Geometry • (H) Algebra II • (H) College Algebra • (H) Trigonometry • AP Calculus **Science:** • One (1) Freshman Science credit AND • (H) Principles of Biomedical Science AND • BIO 1111 AND • BIO 2101 AND • BIO 2102 AND • (H) Chemistry AND • AP Chemistry **Social Studies:** • PSY 1001	**Level 1** • Introduction to Health Science
Level 2 • Human Nutrition and Health AND • Medical Terminology			**Level 2** • Human Nutrition and Health AND • Medical Terminology
Level 3 • Emergency Medical Responder AND • Certified Nurse Aide (CNA)			**Level 3** • Certified Nurse Aide (CNA) AND • Human Growth and Development OR Child Development
Level 4 • Emergency Medical Technician (EMT) • Internship • Capstone			**Level 4** • Internship • Capstone

Recommended Clubs & Activities:

- HOSA (Future Health Professionals)
- Link Crew Leadership
- National Honors Society

Mental Health Science

Post-Secondary Employment Path	Post-Secondary Education Path
Careers: 1. Art Therapist 2. Mental Health Coordinator 3. Community Mental Health	Careers: 1. Counselor 2. Social Worker 3. Psychiatric Mental Health Nurse Practitioner 4. Psychiatrist/Psychologist 5. Marriage and Family Therapist

Pathway Courses	Recommended Core Courses		Pathway Courses
Level 1 • Interpersonal Relationships	**English:** • English 11 • Career Communication & Writing • Analytical Reading & Writing **Math (CTE Path 2):** • Career Math AND/OR Technical Math • Financial Math • Statistics **Science:** • Two (2) Science credits **Social Studies:** • PSY 1001	**English:** • ENG 1021 • ENG 1022 • Analytical Reading & Writing OR (H) Public Speaking **Math (BS Path 2):** • Algebra I Part II • Math for Liberal Arts OR (H) Algebra II • AP Statistics **Science:** • Two (2) Science credits AND • BIO 1111 OR (H) Chemistry **Social Studies:** • PSY 1001	**Level 1** • Interpersonal Relationships AND • Introduction to Health Science
Level 2 • Human Growth and Development			**Level 2** • Human Growth and Development AND • Human Nutrition and Health
Level 3 • Child Development			**Level 3** • Child Development
Level 4 • Internship • Capstone			**Level 4** • Internship • Capstone

Recommended Clubs & Activities:

- HOSA (Future Health Professionals)
- Link Crew Leadership
- National Honors Society
- YAC (Youth Advisory Council)

Pathways in Technology Early College High School

Overview:

Pathways in Technology Early College High School (PTECH) offers five (5) sub-pathways:

- Advanced Emergency Medical Technician (AEMT)
- Automotive Technology
- Computer Information Systems (CIS) (multiple options)
- Fire Science Technology
- Welding Technology

All PTECH Pathways have a clearly defined Scope and Sequence as described by Pueblo Community College and are therefore, subject to change. Please visit https://catalog.pueblocc.edu/ for the most accurate depiction of these associate degree requirements.

The following Pathway requirements are PCC's associate degree requirements. All PTECH students are also expected to complete 32 high school credits as defined in the CCHS graduation requirements chart. For more information regarding PTECH, please visit: https://www.cde.state.co.us/postsecondary/p-tech.

For a comprehensive list of careers related to this pathway, scan this code:

Advanced Emergency Medical Technician

Careers:

1. Emergency Medical Technician (EMT)/ Paramedic
2. Certified Nurse Aide (CNA)

Courses Offered at CCHS	Courses Offered at PCC (Fremont, Pueblo, and/or Online)
General Education Requirements-English: • ENG 1021-English Composition I • ENG 1022-English Composition II • COM 1150-Public Speaking **General Education Requirements:** • PSY 2440-Human Growth and Development • BIO 1111-General College Biology I w/ Lab • BIO 2101-Anatomy and Physiology I w/ Lab • BIO 2102-Anatomy and Physiology II w/ Lab **Medical Requirements:** • NUA 1001 & 1070-Certified Nurse Aide (CNA) • HPR 1011-CPR for Professionals • HPR 1039-Medical Terminology • EMS 1015-Emergency Medical Responder	**General Education Requirements-Math:** • MAT 1120-Clinical Calculations **Medical Requirements:** • HPR 1050-Basic EKG Interpretation • EMS 1021-EMT Fundamentals • EMS 1022-EMT Medical Emergencies • EMS 1023-EMT Trauma Emergencies • EMS 1024-EMT Special Considerations • EMS 1070-EMT Clinical Internship • EMS 1080-EMT Clinical Internship • EMS 1127-AEMT Special Considerations • EMS 1129-AEMT Pharmacology • EMS 1132-EMS Intravenous/Intraosseous Therapy • EMS 1125-AEMT Fundamentals • EMS 1133-AEMT Medical Emergencies • EMS 1135-AEMT Trauma Emergencies • EMS 1071-AEMT Clinical Internship

Recommended Clubs & Activities:

- HOSA (Future Health Professionals)
- Link Crew Leadership

Automotive Technology

Careers:

1. Automotive Technician
2. Diesel Technician
3. Heavy Duty Technician

Courses Offered at CCHS	Courses Offered at PCC (Fremont, Pueblo, and/or Online)
General Education Requirements-English: • ENG 1021-English Composition I OR ENG 1031-Technical Writing I **General Education Requirements-Math:** • MAT 1140-Career Math **General Education Requirements (9 Credits):** • General Education Course • General Education Course • General Education Course **Automotive Requirements:** • ASE 1002 & 1020-Introduction to Automotive Technology • ASE 1010, 1011, 1040, 1041, 2010, 2040, 2064, 2065, 2182-Automotive Technology I • ASE 1023, 1030, 1032, 1061, 1062, 2060, 2181- Automotive Technology II	**Automotive Requirements:** • ASE 1051- Manual Transmissions/ Transaxles and Clutches I • ASE 1052- Manual Transmissions/ Transaxles and Clutches II • ASE 2053-Advanced Manual Transmissions/ Transaxles • ASE 2050-Automatic Transmission/ Transaxle Service • ASE 2051-Automatic Transmission/ Transaxle Repair • ASE 2052-Advanced Automatic Transmission/ Transaxle • ASE 1034-Automotive Fuel Emissions Systems I • ASE 2033-Auto Fuel Injection and Exhaust Systems • ASE 2021-Automotive and Diesel Body Electrical • ASE 2036-Advanced Drivability Diagnosis and Repair

Recommended Clubs & Activities:

- Automotive Club

CIS: Associate of General Studies**

Careers:

1. Computer Information Systems

Courses Offered at CCHS	Courses Offered at PCC (Fremont, Pueblo, and/or Online)
General Education Requirements-English: • ENG 1021-English Composition I • ENG 1022-English Composition II • COM 1150-Public Speaking **General Education Requirements-Math:** • MAT 1340-College Algebra **General Education Requirements:** • GT-SC1 with lab • GT-SC1 with lab • GT-AH1, AH2, or AH3 • AAA 1009-Advanced Academic Achievement **CIS Requirements:** • CIS 1015-Introduction to Computer Information Systems • CIS 1018-Introduction to PC Applications	**General Education Requirements:** • ECO 2001-Principles of Macroeconomics • ECO 2002-Principles of Microeconomics **CIS Requirements:** • CNG 1020-A+ Certification Preparation • CNG 1024-Networking I: Network+ • CSC 1020-Problem Solving with Java • CSC 1060-Computer Science I • CSC 1061-Computer Science II • CSC 2067-Object Oriented Analysis and Design **Elective Requirements (one course):** • BUS 2017-Business Communication & Report Writing • BUS 2026-Business Statistics • MAN 2026- Principles of Management • MAT 1400-Survey of Calculus

Recommended Clubs & Activities:

- CyberPatriot
- FBLA (Future Business Leaders of America)

**Note: This associate degree is a guaranteed transfer to Colorado State University-Pueblo's Bachelor's of Science in Computer Information Systems.

CIS: Computer Support Technician

Careers:

1. Computer Support Specialist

Courses Offered at CCHS	Courses Offered at PCC (Fremont, Pueblo, and/or Online)
General Education Requirements-English: • ENG 1021-English Composition I OR ENG 1031-Technical Writing I **General Education Requirements-Math:** • MAT 1150-Technical Mathematics OR MAT 1340-College Algebra **CIS Requirements:** • CIS 1015-Introduction to Computer Information Systems • CIS 1018-Introduction to PC Applications • CSC 1019-Introduction to Programming	**CIS Requirements:** • CIS 2020-Fundamentals of UNIX OR CIS 2023-Linux • CIS 2087-Cooperative Education • CNG 1024-Networking I: Network+ • CNG 1032-Network Security Fundamentals • CNG 2012-Configuring Windows Server **IT Systems Administration Requirements:** • CIS 2040-Database Design and Development • CIS 2043-Introduction to Structured Query Language (SQL) • CNG 1004-Intro to TCP/IP • CNG 1020-A+ Certification Preparation • CNG 1042-Intro to Cloud Computing Concepts • CNG 2024-Microsoft Windows Wireless Network • MAN 2026-Principles of Management • CNG 2040-Virtual Environment Administration • CNG 2042-Cloud Computing

Recommended Clubs & Activities:

- CyberPatriot
- FBLA (Future Business Leaders of America)

CIS: Graphic Design

Careers:

1. Graphic Designer
2. Web/App Developer

Courses Offered at CCHS	Courses Offered at PCC (Fremont, Pueblo, and/or Online)

General Education Requirements-English:

- ENG 1021-English Composition I OR ENG 1031-Technical Writing I
- COM 1150-Public Speaking

General Education Requirements-Math:

- MAT 1160-Financial Math OR MAT 1260-Introduction to Statistics

General Requirements:

- ART 1002-Visual Concepts 2-D Design
- ART 1201-Drawing I

CIS Requirements:

- CIS 1018-Introduction to PC Applications

Multimedia Requirements:

- MGD 1011-Adobe Photoshop I
- MGD 1012-Adobe Illustrator I
- JOU 1005-Introduction to Mass Media

Multimedia Education Requirements:

- MGD 1002-Introduction to Multimedia
- MGD 1013-Adobe InDesign
- MGD 1015-Typography & Layout
- MGD 1033-Graphic Design I
- MGD 1041-Web Design I
- MGD 2027-Marcomm Practices
- MGD 2033-Graphic Design II
- MGD 2041- Web Design II
- MGD 2056-Graphic Design Production
- MGD 2068-Business for Creatives
- MGD 2080-Internship
- MGD 2089-Capstone

Recommended Clubs & Activities:

- Art Club
- FBLA (Future Business Leaders of America)

CIS: Healthcare Information Systems

Careers:

1. Computer Systems Analyst
2. Health Information Technologist
3. Medical Records Specialist

Courses Offered at CCHS	Courses Offered at PCC (Fremont, Pueblo, and/or Online)

General Education Requirements-English:

- ENG 1021-English Composition I OR ENG 1031-Technical Writing I
- COM 1150-Public Speaking

General Education Requirements-Math:

- MAT 1260-Introduction to Statistics

CIS Requirements:

- CIS 1018-Introduction to PC Applications

General Education Requirements:

- PHI 1013-Logic

Health IT Education Requirements:

- HIT 1002-Medical Vocabulary
- HIT 1011-Health Data Management & Information Systems
- HIT 1012-Legal Aspects Health Records
- HIT 1020-Working with Health IT Systems
- HIT 1022-Workflow Fundamentals of Healthcare
- HIT 1050-Healthcare Delivery Systems
- HIT 2022-Quality Management
- HIT 2061-Healthcare Software
- HIT 2089-Capstone

Health IT Electives (2 of 3):

- HIT 1075-Special Topics
- HIT 2064-Data Visualization
- HIT 2065-Data Analytics Application

Computer Education Requirements:

- CNG 1020-A+ Certification Preparation
- CNG 1024-Networking I: Network+
- CNG 1032-Network Security Fundamentals
- CNG 1036-Guide to Disaster Recovery

Recommended Clubs & Activities:

- CyberPatriot
- FBLA (Future Business Leaders of America)

CIS: Health Information Technician- Medical Coding

Careers:

1. Medical Coder
2. Health Information Technologist
3. Medical Records Specialist

Courses Offered at CCHS	Courses Offered at PCC (Fremont, Pueblo, and/or Online)
General Education Requirements-English: • ENG 1021-English Composition I OR ENG 1031-Technical Writing I **General Education Requirements-Math:** • MAT 1260-Introduction to Statistics **General Education Requirements:** • PSY 1001-General Psychology I **CIS Requirements:** • CIS 1018-Introduction to PC Applications	**General Education Requirements:** • COM 1025-Interpersonal Communications • BIO 1006-Basic Anatomy & Physiology • HPR 1032-Disease Process and Treatment **Health IT Education Requirements:** • HIT 1002-Medical Vocabulary • HIT 1005-Principles of Healthcare Reimbursement • HIT 1011-Health Data Management & Information Systems • HIT 1012-Legal Aspects Health Records • HIT 1050-Healthcare Delivery Systems • HIT 1088-Health Information Practicum I • HIT 2020-ICD Coding I • HIT 2022-Quality Management • HIT 2025-Health Information Management • HIT 2041-CPT Coding Basic Principles • HIT 2052-ICD Coding Applications • HIT 2061-Healthcare Software • HIT 2068-Certification Test Prep • HIT 2089-Capstone

Recommended Clubs & Activities:

- CyberPatriot
- FBLA (Future Business Leaders of America)

CIS: Networking & Cyber Security

Careers:

1. Network Administrator
2. Network Architect
3. Information Security Analyst

Courses Offered at CCHS	Courses Offered at PCC (Fremont, Pueblo, and/or Online)

General Education Requirements-English:

- ENG 1021-English Composition I OR ENG 1031-Technical Writing I

General Education Requirements-Math:

- MAT 1150-Technical Math OR MAT 1340-College Algebra

CIS Requirements:

- CIS 1015-Introduction to Computer Information Systems
- CIS 1018-Introduction to PC Applications

CIS Requirements:

- CSC 1020-Problem Solving with Java
- CIS 2023-LINUX
- CIS 2087-Cooperative Education/ Occupational Experience
- CNG 1004-Intro to TCP/IP
- CNG 1020-A+ Certification Preparation
- CNG 1024-Networking I: Network+
- CNG 1032-Network Security Fundamentals
- CNG 1033-Network Security: Firewalls
- CNG 1036-Guide to Disaster Recovery
- CNG 2012-Configuring Windows Server
- CNG 2024-Microsoft Windows Wireless Network
- CNG 2056-Vulnerability Assessment I
- CNG 2058-Digital Forensics

Elective Requirements (3 of 4):

- CSC 1060-Computer Science I
- CSC 1061-Computer Science II
- CSC 2067-Object Oriented Analysis and Design
- CNG 2057-Network Defense and Counter Measure

Recommended Clubs & Activities:

- CyberPatriot
- FBLA (Future Business Leaders of America)

CIS: Secure Software Development**

Careers:

1. Software Developer

Courses Offered at CCHS	Courses Offered at PCC (Fremont, Pueblo, and/or Online)
General Education Requirements-English: • ENG 1021-English Composition I OR ENG 1031-Technical Writing I **General Education Requirements-Math:** • MAT 1340-College Algebra **CIS Requirements:** • CIS 1015-Introduction to Computer Information Systems • CIS 1018-Introduction to PC Applications • CSC 1019-Intro to Programming	**CIS Requirements:** • CIS 2023-LINUX • CIS 2040-Database Design & Development • CIS 2043-Intro to SQL • CIS 2087-Cooperative Education • CNG 1024-Networking I: Network+ • CNG 1032-Network Security Fundamentals • CNG 1042-Intro to Cloud Computing Concepts • CSC 1029-Intro to Secure Coding • CSC 1060-Computer Science I (Language) • CSC 1061-Computer Science II (Language) • CSC 2025-Computer Architecture/ Assembly Language Programming • CSC 2067-Object Oriented Analysis & Design • CWB 2006-Server Side Scripting: (Software) **CIS Electives (3 credits):** • CSC 2017-Advanced Python Programming • CSC 2030-C Programming Platform • CSC 2040-Java Programming • CSC 2041-Advanced Java Programming • CSC 2067-Object Oriented Analysis & Design

Recommended Clubs & Activities:

- CyberPatriot
- FBLA (Future Business Leaders of America)

**Note: This associate degree is a guaranteed transfer to PCC's Bachelor's of Science in Secure Software Development.

CTS: Web Design & Development

Careers:

1. Web/App Developer

Courses Offered at CCHS	Courses Offered at PCC (Fremont, Pueblo, and/or Online)

General Education Requirements-English:

- ENG 1021-English Composition I
- COM 1150-Public Speaking

General Education Requirements-Math:

- MAT 1340-College Algebra OR MAT 1260-Introduction to Statistics

CIS Requirements:

- CIS 1018-Introduction to PC Applications

Multimedia Requirements:

- JOU 1005-Introduction to Mass Media
- MGD 1011-Adobe Photoshop I
- MGD 1064-Digital Video Editing I

CIS Requirements:

- CWB 2006-Server-Side Scripting OR MGD 2042-Web Architecture: Open Source Design
- CWB 2009-Web Content Management Systems
- CSC 1020-Problem Solving with Java OR CWB 2008-Web Application Development
- CNG 1024-Networking I: Network+

Multimedia Requirements:

- MGD 1002-Introduction to Multimedia
- MGD 1015-Typography and Layout
- MGD 1041-Web Design I
- MGD 1043-Motion Graphic Design I (Software)
- MGD 2027-Marcomm Practices
- MGD 2041-Web Design II
- MGD 2068-Business for Creatives
- MGD 2080-Internship
- MGD 2089-Capstone

Recommended Clubs & Activities:

- Art Club
- FBLA (Future Business Leaders of America)

Fire Science Technology

Careers:

1. Firefighter

Courses Offered at CCHS	Courses Offered at PCC (Fremont, Pueblo, and/or Online)
General Education Requirements-English: • ENG 1021-English Composition I OR ENG 1031-Technical Writing I • COM 1150-Public Speaking **General Education Requirements-Math:** • MAT 1140-Career Math OR MAT 1160-Financial Math OR MAT 1340-College Algebra **General Education Requirements:** • AAA 1009-Advanced Academic Achievement **Fire Science Requirements:** • FST 1002-Principles of Emergency Services • FST 1003-Fire Behavior & Combustion • FST 1005- Building Construction for Fire Professional • FST 1009-Occupational Safety & Health	**General Education Requirements:** • PSC 1011-American Government • SOC 2018-Sociology of Diversity • MAN 2024-Leadership **Fire Science Requirements:** • FST 1006-Fire Prevention • FST 2001-Instructional Methodology • FST 2002-Firefighting Strategy and Tactics • FST 2004-Code Enforcement • FST 2006-Fire Company Supervision/Leadership • FST 2009-Fire Protection System • FST 2057-Fire Department Administration **Elective Requirements:** • Any FST, FSW, or EMS courses (12 credits)

Recommended Clubs & Activities:

- AJROTC
- Link Crew Leadership

Welding Technology

Careers:
1. Journeyman Ironworker
2. Military Welder

Courses Offered at CCHS	Courses Offered at PCC (Fremont, Pueblo, and/or Online)
General Education Requirements-English: • ENG 1031-Technical Writing I **General Education Requirements-Math:** • MAT 1150-Technical Math **General Education Requirements:** • Eight (8) credits **Welding Requirements:** • WEL 1000-Safety for Welders • WEL 1002-Oxy-Acetylene Joining Process • WEL 1003-Basic Shielded Metal Arc Welding I • WEL 1004-Basic Shielded Metal Arc Welding II • WEL 1006-Blueprint Reading for Welders • WEL 2050-Layout and Fabrication	**Welding Requirements:** • WEL 1024-Introduction to Gas Tungsten Arc • WEL 1025-Introduction to Gas Metal Arc Welding • WEL 2024-Advanced Gas Tungsten Arc Welding • WEL 2025-Advanced Gas Metal Arc Welding • WEL 2033-2G-Horizontal Pipe A.P.I. **Elective Requirements:** • WEL 2051-Design, Layout, & Fabrication AND • WEL 2063-Applied Metal Properties OR • WEL 2034-5G-Vertical Down A.P.I. AND • WEL 2035-6G-45 Down A.P.I (PCC Southwest Campus Only)

Recommended Clubs & Activities:
- SkillsUSA Welding

Skilled Trades, Security, & Industry Pathway

Overview:

The Skilled Trades, Security, & Industry Pathway offers six (6) sub-pathways:

- Automotive Technology
- Aviation & Aerospace
- Carpentry & Construction Trades
- Precision Machining
- Security, Military, Law Enforcement, & Legal
- Welding

For a comprehensive list of careers related to this pathway, scan this code:

Automotive Technology

Post-Secondary Employment Path	Post-Secondary Education Path
Careers: 1. Automotive Technician 2. Heavy Duty Technician 3. Sales 4. Industry Trainer	Careers: 1. Automotive Technician 2. Aviation Technician 3. Diesel Technician 4. Automotive Teacher

Pathway Courses	Recommended Core Courses	Pathway Courses
Level 1 • Survey of Automotive Technology AND • Introduction to Automotive Technology **Level 2** • Automotive Technology I **Level 3** • Automotive Technology II AND • Automotive Technology Internship **Level 4** • Internship • Capstone	**English:** • English 11 • Career Communication & Writing • Analytical Reading & Writing **Math (CTE Path 3):** • Career Math AND/OR Technical Math • Financial Math • Statistics **Science:** • Two (2) Science credits **Social Studies:** • One (1) Social Studies Elective	**Please see PTECH: Automotive Technology, pg. 45**

Recommended Clubs & Activities:
- Automotive Club

Aviation & Aerospace

Post-Secondary Employment Path	Post-Secondary Education Path
Careers: 1. Certified Flight Instructor 2. Commercial Pilot 3. Airline Transport Pilot 4. Flight Attendant 5. Remote Pilot	Careers: 1. Air Traffic Controller 2. Airline Transport Pilot 3. Airport Management 4. Aircraft Mechanic 5. Avionics Technician 6. Aerospace Engineer

Pathway Courses	Recommended Core Courses		Pathway Courses
Level 1 • Introduction to Aviation and Aerospace	**English:** • English 11 • Career Communication & Writing • Analytical Reading & Writing **Math (CTE Path 3):** • Algebra I Part II • Geometry • Career Math OR Technical Math **Science:** • Two (2) Science credits **Social Studies:** • One (1) Social Studies Elective	**English:** • ENG 1021 • ENG 1022 • Analytical Reading & Writing OR (H) Public Speaking **Math (BS Path 1):** • Algebra I Part II • Geometry • (H) Algebra II • (H) College Algebra • (H) Trigonometry • AP Calculus **Science:** • Two (2) Science credits AND • BIO 1111 OR (H) Chemistry AND • AP Physics **Social Studies:** • One (1) Social Studies Elective	**Level 1** • Introduction to Aviation and Aerospace
Level 2 • Aviation Weather and Aerodynamics			**Level 2** • Aviation Weather and Aerodynamics
Level 3 • N/A			**Level 3** • N/A
Level 4 • Internship • Capstone			**Level 4** • Internship • Capstone

Recommended Clubs & Activities:

- TSA (Technical Student Association)

Carpentry & Construction Trades

Post-Secondary Employment Path	Post-Secondary Education Path
Careers: 1. Residential Carpenter 2. Commercial Construction 3. Finish Carpenter 4. Electrician 5. Plumber	Careers: 1. Construction Management 2. Project Manager 3. Estimator 4. Insurance Adjuster 5. Construction Engineer

Pathway Courses	Recommended Core Courses		Pathway Courses
Level 1 • Woodworking Technology I AND • Woodworking Technology II	**English:** • English 11 • Career Communication & Writing • Analytical Reading & Writing **Math (CTE Path 3):** • Algebra I Part II • Geometry • Career Math OR Technical Math **Science:** • Two (2) Science credits **Social Studies:** • One (1) Social Studies Elective	**English:** • English 11 • ENG 1021 • Analytical Reading & Writing **Math (BS Path I):** • Algebra I Part II • Geometry • (H) Algebra II • (H) College Algebra • (H) Trigonometry • AP Calculus **OR Math (BA Path I):** • Algebra I Part II • Math for Liberal Arts OR (H) Algebra II • Statistics OR AP Statistics OR Financial Math **Science:** • Two (2) Science credits AND • BIO 1111 OR (H) Chemistry **Social Studies:** • One (1) Social Studies Elective	**Level 1** • Woodworking Technology I AND • Woodworking Technology II • Design Thinking: Introduction to Engineering Design OR Introduction to Business
Level 2 • Carpentry Technology I			**Level 2** • Carpentry Technology I AND • Introduction to Drafting & Design Concepts OR Fundamentals of Accounting
Level 3 • Carpentry Technology II • Electrical Construction I (optional)			**Level 3** • Carpentry Technology II AND • (H) Principles of Engineering Design OR (H) Accounting Principles II
Level 4 • Internship • Capstone			**Level 4** • Internship • Capstone

Recommended Clubs & Activities:

- SkillsUSA Carpentry
- TSA (Technical Student Association)
- FBLA (Future Business Leaders of America)

Precision Machining

Post-Secondary Employment Path	Post-Secondary Education Path
Careers: 1. Shop Assistant 2. Manual Machinist 3. CNC Operator 4. CNC Programmer 5. Machine Shop Apprentice	Careers: 1. Mechanical Engineering 2. Mechanical Drafter 3. Quality Control Technician 4. Education

Pathway Courses	Recommended Core Courses		Pathway Courses
Level 1 • Principles of Manufacturing A AND • Design Thinking: Introduction to Engineering Design AND • Principles of Manufacturing B	**English:** • English 11 • Career Communication & Writing • Analytical Reading & Writing **Math (CTE Path 3):** • Algebra I Part II • Geometry • Career Math OR Technical Math **Science:** • Two (2) Science credits **Social Studies:** • One (1) Social Studies Elective	**English:** • English 11 • ENG 1021 • Analytical Reading & Writing **Math (CTE Path 3):** • Algebra I Part II • Geometry • Career Math OR Technical Math **Science:** • Two (2) Science credits **Social Studies:** • One (1) Social Studies Elective	**Level 1** • Principles of Manufacturing A AND • Design Thinking: Introduction to Engineering Design AND • Principles of Manufacturing B
Level 2 • Introduction to Machining			**Level 2** • Introduction to Machining
Level 3 • CNC Manufacturing			**Level 3** • CNC Manufacturing
Level 4 • Internship • Capstone			**Level 4** • Internship • Capstone

Recommended Clubs & Activities:

- SkillsUSA Carpentry
- SkillsUSA Welding

Security, Military, Law Enforcement, & Legal

Post-Secondary Employment Path	Post-Secondary Education Path
Careers: 1. Military (Enlisted) 2. Police or Correctional Officer 3. Fish and Game Warden 4. Fire Inspector or Investigator 5. Police Dispatcher	Careers: 1. Military (Officer) 2. Intelligence 3. Forensic Science Technician 4. Federal Agent (DEA or FBI) 5. Revenue Agent

Pathway Courses	Recommended Core Courses		Pathway Courses
Level 1 • AJROTC I AND • AJROTC II	**English:** • English 11 • Career Communication & Writing • Analytical Reading & Writing **Math (CTE Path 2):** • Career Math AND/OR Technical Math • Financial Math • Statistics **Science:** • Two (2) Science credits **Social Studies:** • One (1) Social Studies Elective	**English:** • ENG 1021 • (H) Public Speaking • Analytical Reading & Writing **Math (CTE Path 1):** • Algebra I Part II • (H) Algebra II • (H) College Algebra • Introduction to Computer Science OR AP Computer Science Principles **OR Math (CTE Path 2):** • Career Math AND/OR Technical Math • Financial Math • Statistics **Science:** • Two (2) Science credits AND • BIO 1111 OR (H) Chemistry **Social Studies:** • One (1) Social Studies Elective **World Languages:** • At least two (2) credits	**Level 1** • AJROTC I AND • AJROTC II
Level 2 • AJROTC III AND • AJROTC IV • Introduction to Fire Science I (Optional)			**Level 2** • AJROTC III AND • AJROTC IV AND • Introduction to Fire Science I OR Computer Information Systems
Level 3 • Introduction to Fire Science II OR Introduction to Criminal Justice			**Level 3** • AJROTC V-VII (Optional) • Introduction to Fire Science II OR Introduction to Criminal Justice
Level 4 • Internship • Capstone			**Level 4** • Internship • Capstone

Recommended Clubs & Activities:

- JROTC Drill/Color Guard/Raiders/Rifle Team
- Link Crew Leadership
- International Club
- Fly Fishing Club

Welding

Post-Secondary Employment Path	Post-Secondary Education Path
Careers: 1. Fabrication Welder 2. Pipeline Welder 3. Structural Welder 4. Underwater Welder	Careers: 1. Journeyman Ironworker 2. Military Welder

Pathway Courses	Recommended Core Courses	Pathway Courses
Level 1 • WEL 1000 **Level 2** • WEL 1002 **Level 3** • WEL 2050 **Level 4** • Internship • Capstone	**English:** • English 11 • Career Communication & Writing • Analytical Reading & Writing **Math (CTE Path 3):** • Algebra I Part II • Geometry • Career Math OR Technical Math **Science:** • Two (2) Science credits **Social Studies:** • One (1) Social Studies Elective	**Please see PTECH: Welding Technology, pg. 55**

Recommended Clubs & Activities:

- SkillsUSA Welding

STEAM Pathway

Overview:

The STEAM Pathway offers eight (8) sub-pathways:

- Science
  - Biology
  - Environmental Science
  - Physical Science
- Technology
  - Computer Science
- Engineering
  - Drafting & Design
  - Rocket Design-SYSTEMS GO!
- Agriculture
  - Veterinary Science
- Mathematics

For a comprehensive list of careers related to this pathway, scan this code:

Science: Biology

Post-Secondary Employment Path	Post-Secondary Education Path
Careers: 1. Lab Technician/Assistant	Careers: 1. Biologist 2. Zoologist 3. Pre-med (in conjunction with Chemistry) 4. Microbiologist 5. Forensics Science

Pathway Courses	Recommended Core Courses		Pathway Courses
Level 1 • (H) Principles of Biomedical Science	**English:** • English 11 • Career Communication & Writing • Analytical Reading & Writing **Math (BS Path 2):** • Algebra I Part II • Math for Liberal Arts OR (H) Algebra II • AP Statistics **Science:** • Two (2) Science credits **Social Studies:** • One (1) Social Studies Elective	**English:** • ENG 1021 • ENG 1022 • (H) Public Speaking AND • Analytical Reading & Writing **Math (BS Path 1):** • Algebra I Part II • Geometry • (H) Algebra II • (H) College Algebra • (H) Trigonometry • AP Calculus **Science:** • Two (2) Science credits **Social Studies:** • One (1) Social Studies Elective	**Level 1** • (H) Principles of Biomedical Science
Level 2 • (H) Chemistry			**Level 2** • (H) Chemistry • (H) Human Body Systems (Pre-med path)
Level 3 • BIO 1111 AND • AP Chemistry			**Level 3** • BIO 1111 AND • AP Chemistry
Level 4 • Internship • Capstone			**Level 4** • BIO 2101 AND • BIO 2102 (Pre-med path) • Internship • Capstone

Recommended Clubs & Activities:

- HOSA (Future Health Professionals)
- Student Council
- Link Crew Leadership
- Environmental Club

Science: Environmental Science

Post-Secondary Employment Path	Post-Secondary Education Path
Careers: 1. Lab Technician/Assistant 2. Forester	Careers: 1. Environmental Scientist 2. Geologist 3. River Scientist 4. Water Quality and Ecologist 5. Meteorologist

Pathway Courses	Recommended Core Courses		Pathway Courses
Level 1 • Horticulture	**English:** • English 11 • Career Communication & Writing • Analytical Reading & Writing **Math (BS Path 2):** • Algebra I Part II • Math for Liberal Arts OR (H) Algebra II • AP Statistics **Science:** • Two (2) Science credits (Recommended: Environmental Science) **Social Studies:** • One (1) Social Studies Elective	**English:** • ENG 1021 • ENG 1022 • (H) Public Speaking AND • Analytical Reading & Writing **Math (BS Path 1):** • Algebra I Part II • Geometry • (H) Algebra II • (H) College Algebra • (H) Trigonometry • AP Calculus **Science:** • Two (2) Science credits (Recommended: Environmental Science) **Social Studies:** • One (1) Social Studies Elective	**Level 1** • Horticulture AND • (H) Chemistry
Level 2 • (H) Chemistry AND • Geology			**Level 2** • Geology AND • Environmental Horticulture
Level 3 • (H) Water Quality and Ecology AND • (H) Hydrology and Watersheds			**Level 3** • BIO 1111 AND • (H) Water Quality and Ecology AND • (H) Hydrology and Watersheds
Level 4 • Internship • Capstone			**Level 4** • Internship • Capstone

Recommended Clubs & Activities:

- Environmental Club
- Student Council
- Linkcrew Leadership

Science: Physical Science

Post-Secondary Employment Path	Post-Secondary Education Path
Careers: 1. Lab Technician/Assistant	Careers: 1. Chemist 2. Physicist/Astronomer 3. Pre-med (in conjunction with Biology) 4. Formulation Chemist 5. Medicinal Drug Chemist/Researcher

Pathway Courses	Recommended Core Courses		Pathway Courses
Level 1 • (H) Chemistry	**English:** • English 11 • Career Communication & Writing • Analytical Reading & Writing **Math (BS Path 2):** • Algebra I Part II • Math for Liberal Arts OR (H) Algebra II • AP Statistics **Science:** • Two (2) Science credits **Social Studies:** • One (1) Social Studies Elective	**English:** • ENG 1021 • ENG 1022 • (H) Public Speaking AND • Analytical Reading & Writing **Math (BS Path 1):** • Algebra I Part II • Geometry • (H) Algebra II • (H) College Algebra • (H) Trigonometry • AP Calculus **Science:** • Two (2) Science credits **Social Studies:** • One (1) Social Studies Elective	**Level 1** • (H) Chemistry • (H) Principles of Biomedical Science (Pre-med path)
Level 2 • BIO 1111			**Level 2** • AP Chemistry AND • BIO 1111 • BIO 2101 (Pre-med path)
Level 3 • AP Chemistry			**Level 3** • AP Physics • BIO 2102 (Pre-med path)
Level 4 • Internship • Capstone			**Level 4** • Internship • Capstone

Recommended Clubs & Activities:

- HOSA (Future Health Professionals)
- Student Council
- Link Crew Leadership
- Environmental Club

Technology: Computer Science

Post-Secondary Employment Path	Post-Secondary Education Path
	Careers: 1. Computer Scientist 2. Information Security Analyst 3. Software Engineer 4. Web and App Developer 5. Computer Hardware Engineer

Pathway Courses	Recommended Core Courses	Pathway Courses
See PTECH: Computer Information Systems, pgs. 46-53	**English:** • ENG 1021 • ENG 1022 • (H) Public Speaking AND • Analytical Reading & Writing **Math (BS Path 3):** • Algebra I Part II • Introduction to Computer Science • Geometry • (H) Algebra II • AP Computer Science Principles • (H) College Algebra • AP Computer Science A **Science:** • Two (2) Science credits AND • BIO 1111 OR (H) Chemistry **Social Studies:** • One (1) Social Studies Elective	**Level 1** • Advanced PC Applications & Microsoft Office Specialist AND • Computer Information Systems **Level 2** • Computer Technician I: A+ AND • Computer Technician II: A+ **Level 3** • Graphic Design & Adobe Photoshop I OR Adobe Illustrator I OR Web Design I OR Introduction to Game Design **Level 4** • Internship • Capstone

Recommended Clubs & Activities:

- CyberPatriot
- FBLA (Future Business Leaders of America)
- TSA (Technical Student Association)
- Tiger Pit E-Sports

Engineering: Drafting & Design

Post-Secondary Employment Path	Post-Secondary Education Path
Careers: 1. Drafting 2. Manufacturing 3. Residential Design/Construction 4. Commercial Design/Construction	Careers: 1. Engineer (various disciplines) 2. Architect 3. Product Development 4. Project Management 5. Construction Management

Pathway Courses	Recommended Core Courses		Pathway Courses
Level 1 • Introduction to Drafting & Design Concepts Recommended: • Design Thinking: Introduction to Engineering Design AND • Principles of Manufacturing A	**English:** • English 11 • Career Communication & Writing • Analytical Reading & Writing **Math (CTE Path 3):** • Algebra I Part II • Geometry • Career Math OR Technical Math **Science:** • Two (2) Science credits AND • (H) Water Quality and Ecology OR (H) Hydrology and Watersheds **Social Studies:** • One (1) Social Studies Elective	**English:** • ENG 1021 • ENG 1022 • (H) Public Speaking AND • Analytical Reading & Writing **Math (BS Path I):** • Algebra I Part II • Geometry • (H) Algebra II • (H) College Algebra • (H) Trigonometry • AP Calculus (specific college dependent) **Science:** • Two (2) Science credits AND • BIO 1111 OR (H) Chemistry AND • AP Physics OR (H) Water Quality and Ecology OR (H) Hydrology and Watersheds **Social Studies:** • One (1) Social Studies Elective	**Level 1** • Introduction to Drafting & Design Concepts Recommended: • Design Thinking: Introduction to Engineering Design AND • Principles of Manufacturing A
Level 2 • (H) Principles of Engineering Design • (H) Engineering Projects (optional)			**Level 2** • (H) Principles of Engineering Design • (H) Engineering Projects (optional)
Level 3 • (H) Applied Engineering Design			**Level 3** • (H) Applied Engineering Design
Level 4 • Internship • Capstone			**Level 4** • Internship • Capstone

Recommended Clubs & Activities:

- TSA (Technical Student Association)

Engineering: Rocket Design-SYSTEMS GO!

Post-Secondary Employment Path	Post-Secondary Education Path
Careers: 1. N/A	Careers: 1. Aerospace Engineering 2. Aerospace Production/Manufacturing 3. Manufacturing Engineer 4. Design and Drafting

Pathway Courses	Recommended Core Courses	Pathway Courses
N/A	**English:** • ENG 1021 • ENG 1022 • (H) Public Speaking AND • Analytical Reading & Writing **Math (BS Path I):** • Algebra I Part II • Geometry • (H) Algebra II • (H) College Algebra • (H) Trigonometry • AP Calculus **Science:** • Two (2) Science credits AND • BIO 1111 OR (H) Chemistry AND • AP Physics **Social Studies:** • One (1) Social Studies Elective	**Level I** • (H) Rockets Design PAE (SYSTEMS GO) AND • (H) Rockets Design I (SYSTEMS GO) **Level 2** • (H) Rockets Design II (SYSTEMS GO) **Level 3** • (H) Rockets Design III (SYSTEMS GO) **Level 4** • Internship • Capstone

Recommended Clubs & Activities:

- TSA (Technical Student Association)

Agriculture: Veterinary Science**

Post-Secondary Employment Path	Post-Secondary Education Path
Careers: 1. Vet Technician/Assistant 2. Ranch Hand 3. Farm Hand	Careers: 1. Veterinarian

Pathway Courses	Recommended Core Courses		Pathway Courses
Level 1 • Introduction to Agriculture AND • Animal Science**	**English:** • English 11 • Career Communication & Writing • Analytical Reading & Writing **Math (CTE Path 2):** • Career Math AND/OR Technical Math • Financial Math • Statistics AND • Algebra I Part II **Science:** • Two (2) Science credits AND • BIO 1111 AND • (H) Chemistry **Social Studies:** • One (1) Social Studies Elective	**English:** • ENG 1021 • ENG 1022 • (H) Public Speaking AND • Analytical Reading & Writing **Math (BS Path I):** • Algebra I Part II • Geometry • (H) Algebra II • (H) College Algebra • (H) Trigonometry • AP Calculus **Science:** • Two (2) Science credits AND • BIO 1111 AND • (H) Chemistry AND • AP Chemistry **Social Studies:** • One (1) Social Studies Elective	**Level 1** • Introduction to Agriculture AND • Animal Science**
Level 2 • Intermediate Veterinary Science** • Foundations of Agribusiness** (optional)			**Level 2** • Intermediate Veterinary Science** • Foundations of Agribusiness** (optional)
Level 3 • Advanced Veterinary Science**			**Level 3** • Advanced Veterinary Science**
Level 4 • Internship • Capstone			**Level 4** • Internship • Capstone

Recommended Clubs & Activities:

- FFA (Future Farmers of America)
- Student Council
- Link Crew Leadership

**Note: The Veterinary Science Pathway is offered at Florence Junior/Senior High School (FJSHS) through our Fremont Multidistrict Initiative (FMI) partnership. For more information, please see your counselor.

Mathematics

Post-Secondary Employment Path	Post-Secondary Education Path
Careers: 1. N/A	Careers: 1. Mathematician 2. Data Scientist 3. Financial Analyst/Economist 4. Statistician 5. Physicist

Pathway Courses	Recommended Core Courses	Pathway Courses
N/A	**English:** • ENG 1021 • ENG 1022 • (H) Public Speaking AND • Analytical Reading & Writing **Math (BS Path I):** • Algebra I Part II • Geometry • (H) Algebra II • (H) College Algebra • (H) Trigonometry • AP Calculus AND • AP Statistics **Science:** • Two (2) Science credits AND • BIO 1111 OR (H) Chemistry AND • AP Physics **Social Studies:** • One (1) Social Studies Elective	**Level 1** Optional: • (H) Principles of Applied Engineering PAE (SYSTEMS GO) • (H) Rockets Design I (SYSTEMS GO) • Introduction to Economics • Introduction to Business • Personal Finance I **Level 2** Optional: • (H) Rockets Design II (SYSTEMS GO) • Fundamentals of Accounting **Level 3** Optional: • (H) Rockets Design III (SYSTEMS GO) • (H) Accounting Principles II **Level 4** • Internship • Capstone

Recommended Clubs & Activities:
- TSA (Technical Student Association)
- FBLA (Future Business Leaders of America)

Overview:

In the Tiger Open Pathway (TOP), students will complete six (6) passages of self-directed, project-based learning:

- Career Exploration
- Global Awareness
- Creativity
- Practical Skill
- Logical Inquiry
- Adventure

TOP Information:

Research indicates that as society and technology rapidly change, 21st Century students must be able to collaborate effectively, engage creatively, and apply critical thinking skills to be successful candidates for the jobs of the future. Collaboration, creativity, and critical thinking are at the heart of the Tiger Open Pathway (TOP). Students who are accepted into the TOP program will enjoy a dynamic, flexible learning environment that values their unique interests and abilities, and develops 21st Century skills.

TOP learning is driven by personalization, relevance, and real-world community connections. Within the TOP program, advisors place a strong emphasis on assisting students in the development of personal responsibility and fortitude, social awareness, and intellectual growth. CCHS and TOP staff believe that “learning happens everywhere, and the world is our classroom.” In the TOP program, students enjoy diverse, on-site learning experiences at authentic sites outside of the traditional four-wall classroom.

Students in the TOP program have the advantage of blending online curriculum, project-based learning, and outdoor and community adventures with CCHS courses and programs. Students map out an individualized educational pathway that highlights their interests and challenges their strengths while being supported and guided by their teachers, advisor, and peers.

In traditional high school, a student’s progress toward meeting graduation requirements is typically measured by the successful completion of a given number of course credits. In the TOP, students demonstrate learning growth and progression toward meeting graduation requirements through the collection of Core Competencies mastery evidence and submission of Personal Progress Portfolios. TOP Core Competencies are demonstrated through the completion of graded and ungraded “courses” of study or designed learning experiences. Students within the TOP are not expected to graduate in a specified time but are expected to remain within the program until sufficient personal, social, and intellectual growth and mastery of Core competencies have been demonstrated through documented evidence and portfolio reviews.

Cañon City High School

Course Offering Section

Course Name	Course Type	HS Credit	Grade Level	Prerequisites	PCC Course Equivalent	PCC Credit
Language Arts 1	A	2	9, 10, 11, 12	ILP; IEP, ELL; MTSS; Teacher approval or recommendation; demonstrate below grade-level reading proficiency by most recent evaluation		
Language Arts 2A & 2B	A	1 or 2	9, 10, 11, 12	ILP; IEP, ELL; MTSS; Teacher approval or recommendation; demonstrate below grade-level reading proficiency by most recent evaluation		
Language Arts 3A & 3B	A	1 or 2	10, 11, 12	ILP; IEP, ELL; MTSS; Teacher approval or recommendation; demonstrate below grade-level reading proficiency by most recent evaluation		
Language Arts 4A & 4B	A	1 or 2	10, 11, 12	ILP; IEP, ELL; MTSS; Teacher approval or recommendation; demonstrate below grade-level reading proficiency by most recent evaluation		
English 9		2	9	Demonstrate grade-level reading proficiency by most recent evaluation		
(H) English 9	H	2	9	Demonstrate above grade level reading and writing proficiency by most recent evaluation in middle-school English classes		
English 10		1	10	English 9 or (H) English 9		
(H) English 10	H	1	10	English 9 or (H) English 9		
List A						
English 11		1	11	Language Arts 4 or English 10		
Career Communication & Writing	C	1	12	English 10; English course Junior Year	ENG 1021	3
American Literature & Argument	C	1	11, 12	English 10 or (H) English 10	ENG 1021	3
AP Language and Composition	AP, C	1	11, 12	English 10 or (H) English 10	ENG 1021	3
World Literature	C	1	11, 12	"C" or higher in ENG 1021 for Concurrent Enrollment	ENG 1022	3

Course Name	Course Type	HS Credit	Grade Level	Prerequisites	PCC Course Equivalent	PCC Credit
AP Literature and Composition	AP, C	1	11, 12	"C" or higher in ENG 1021 for Concurrent Enrollment	ENG 1022	3
Analytical Reading & Writing	C	1	11, 12	English 10 or (H) English 10	ENG 1031	3
Creative Writing	C	1	11, 12	English 10 or (H) English 10	ENG 2021	3
List B						
Yearbook	C	1 or 2	10, 11, 12	English 9, Introduction to PC Applications, application process	JOU 1006	3
(H) Public Speaking	H, C	1	10, 11, 12	English 9 or (H) English 9	COM 1150	3
Drama III	C	1	10, 11, 12	Drama I and Drama II	THE 1005	3
Technical Theatre	C	1	9, 10, 11, 12	Foundations of Multimedia Production	THE 1016 & 1031	6
Audio/Video Production I	C	1	10, 11, 12	Foundations of Multimedia Production	RTV 1005	3
Broadcast Production	C	1	10, 11, 12	Foundations of Multimedia Production and Audio/Video Production I	JOU 1005	3
Filmmaking	C	1	10, 11, 12	Audio/Video Production I	MGD 1064	3

NOTE: Students must successfully complete at least one course from List A. Some List B courses can be taken for Humanities credit instead of English credit if they're taken in 9th or 10th grade. See the CTE-Technical Theatre page for a full list.

Language Arts I:

This year-long course is designed for students who require a modified curriculum using a variety of strategies to improve their functional reading and writing skills in order to communicate their needs in a community setting. There is also a prescriptive, research-based curriculum that offers grade-level content which is highly modified to meet individual student needs.

Language Arts 2A & 2B:

This year-long course will allow students to explore the writing process and to build upon their reading and analysis skills. Students will write one to two paragraphs with a thesis statement, two or more details, and transitional phrases or wording. Students will learn to write drafts, use graphic organizers, and revise their writing. The writing aspect of this class includes the study of grammar and usage as well as vocabulary. The reading element of this course will integrate various close reading and reading comprehension skills, fluency, vocabulary, decoding skills, and written expression to help students improve their reading skills. Students will participate in novel studies to hone their reading and writing skills. Students will explore various research strategies in order to deliver presentations to their classmates.

Language Arts 3A & 3B:

In this year-long course, students will develop the ability to craft insightful, well-structured essays that include a clear thesis statement, multiple supporting details, and transitions. The writing component of the class will also delve into essential aspects such as grammar, language usage, and vocabulary. Students will refine their close reading and comprehension skills, as well as continue to improve their fluency, vocabulary enrichment, and decoding techniques. Engaging in novel studies will provide a platform for practicing both their reading and writing proficiencies. Additionally, this course will equip students with research strategies that enable students to create engaging presentations for their peers, preparing them for future careers. The approach to writing and reading in this course aims to cultivate well-rounded and confident communicators who are equipped for success in their future endeavors.

Language Arts 4A & 4B
In this year-long course, students will focus on their research and writing skills. Students will develop the ability to craft insightful and well-structured research and argumentative essays, complete with clear thesis statements, supporting details, and smooth transitions. The writing component will also delve into vital elements such as grammar, language usage, and vocabulary. This comprehensive approach will equip students for both career and technical writing, as well as nurture their creativity in writing through personal narratives. Students will continue to refine their close reading and comprehension skills while exploring a rich variety of literary forms, from short stories and novels to poetry and plays. Beyond reading and writing, this course will also teach students how to compose and deliver informative and persuasive speeches. Students will delve into the works of Shakespeare and participate in classroom debates, where they'll learn to employ persuasive techniques like ethos, pathos, and logos. This class will equip students with research strategies that enable them to create engaging presentations, preparing them for future careers and academic pursuits.

English 9
This year-long course builds on students' reading and writing skills. Students will analyze different literary elements in short stories, essays, novels, and plays. Oral presentations will be prepared and performed. Students will also explore the writing process through the study of grammar, usage, vocabulary, outline organization, thesis statements, drafting, and revising a five-paragraph essay.

(H) English 9
Students who are reading and writing at advanced levels will be reading, responding to, and discussing novels, poetry, short stories, non-fiction essays, technical material, plays, and speeches. This course will reinforce students' advanced writing skills and enhance their logical thinking. Students will justify valid thesis statements with cogent discussion of facts from quality sources, with citations, through both written and oral presentations to audiences inside and outside of the school.

English 10
Students will read fiction and non-fiction for insight into the human experience and cultural awareness. Classic and contemporary literature will provide students diverse opportunities for study and evaluation. Students will refine the writing process, begin the formal research process, and learn strategies to become more coherent and precise thinkers and writers.

(H) English 10
Students who are reading and writing at advanced levels will be reading, responding to, and discussing novels, poetry, short stories, non-fiction essays, technical material, plays, and speeches. This course will reinforce students' advanced writing skills and enhance their logical thinking. This honors course provides students with an intensive study of grammar and mechanics which are then applied to paragraph, essay, report, and research writing. Many oral presentations are required.

List A

English 11
This Career Preparedness Pathway English course will develop student success by providing the communication skills students need to be successful within their personal and professional relationships when they enter the skilled workforce. This course will encourage students to read and write analytically using literature as well as non-fiction essays, provide career knowledge, adapt the writing process through various hands-on projects, and develop 21st Century communication skills.

Career Communication & Writing
This class offers students the opportunity to earn college credit. This Career Preparedness Pathway English course will develop student success by providing the communication skills students need to be successful within their personal and professional relationships when they enter the skilled workforce. This course will encourage students to read and write analytically using literature as well as non-fiction essays, provide career knowledge, adapt the writing process through various hands-on projects, and develop 21st Century communication skills.

American Literature & Argument
This class offers students the opportunity to earn college credit. Focused on fiction and non-fiction within American literature, this course will allow students to discover the humanity in the writing and events that shaped our nation's history. The course provides students with an opportunity to practice and refine the writing and research processes. It further involves students in critical analysis, oral and written presentations, and the study of grammar, usage, and vocabulary.

AP Language and Composition
This class offers students the opportunity to earn college credit and an AP designation on their transcript. An expectation of this course is that the students have advanced composition and literary interests and skills. Focused on fiction and non-fiction within American literature, this course is designed for juniors and seniors who want to challenge themselves and discover the humanity in the writing and events that shaped our nation's history. The course provides students with an opportunity to practice and refine the writing and research processes. It further involves students in critical analysis, oral and written presentations, and the study of grammar, usage, and vocabulary.

World Literature
This class offers juniors and seniors the opportunity to earn college credit while studying works of world literature. The course emphasizes the study and consideration of the literary, cultural, and human significance of selected great works of the world's literary traditions. An important goal of the class is to promote an understanding of the works in their cultural/historical contexts and of the enduring human values which unite the different literary traditions. The course gives special attention to critical thinking and writing within a framework of cultural diversity. Writing instruction will emphasize format, supporting content, vocabulary development, style, grammar, usage, and mechanics. Students will apply writing strategies to a variety of creative, academic, and practical assessments.

AP Literature and Composition
This class offers students the opportunity to earn college credit and an AP designation on their transcript. The class will cover poetry, short fiction, novels, plays, and epics. Beyond the genre requirement, AP also requires a vast time range with works from the Renaissance (specifically Shakespeare), the Victorian era, and the Modern era being covered. AP recommends the study of at least six larger works (novels, plays, epics).

Analytical Reading & Writing
This class offers students the opportunity to earn college credit. Within the fields of science, engineering, technology, business and professional occupations, students will develop abilities to organize and create manuals, journal articles, scientific data and research, and other technical publications. Students will utilize a multifaceted approach to reading and writing skills through a research-based technique within the field of analytical reading and writing.

Creative Writing
This class offers students the opportunity to earn college credit. This course will focus on three major genres: short stories, creative non-fiction, and poetry. Students will read and analyze contemporary literature in each genre while writing their own pieces for the area studied and then participate in writer's workshop style revision to practice giving and receiving feedback for class work.

List B

Yearbook
This semester or year-long course offers students the unique opportunity to not only immortalize precious memories but also earn three college credits through dual enrollment in JOU 1006. Dive into the exciting worlds of journalism, photography, and graphic design as you work collaboratively to craft a timeless keepsake. Learn the art of storytelling through captivating visuals and journalistic writing, honing skills that go beyond the classroom. Pre-requisites: Must be grade 10, 11, and 12, pass freshman English and Computer Applications, and submit a staff recommendation and application.

(H) Public Speaking
This course introduces students to the principles of speaking and listening theories and techniques. The purpose of this course is to enable students to better understand the theories and practices of speaking and listening. Through this course, students will develop the skills necessary to critically evaluate the written and spoken speeches of others while also developing speech-writing and delivery skills.

Drama III

This course is focused on advanced acting and character development, through acting exercises and historical play studies. It also covers playwriting, directing and production of plays for an evening performance. Students can also earn a "List B" English credit from a full semester of participation in either their junior or senior year.

Technical Theatre

This course introduces methods of constructing and painting scenery and properties, operating stage lighting and sound equipment, and implementing costumes and multimedia. This course explores the proper procedures of serving on stage crews and tool safety. Students can also earn a "List B" English credit from a full semester of participation in either their junior or senior year.

Audio/Video Production I

An introduction to film history, video basics, editing, media and the production process. Students can earn a “List B” English credit from a full semester of participation in either their junior or senior year.

Broadcast Production

An introduction to video broadcasting, studio work, advertising, and video editing for broadcast. Students can earn a “List B” English credit from a full semester of participation in either their junior or senior year.

Filmmaking

Students learn how to use digital video editing software to create, edit, and save movies. Students create movies using digital video clips, digital photos and music. The basics of shooting good video, capturing video from a camera to a computer, creating movies for the web, storytelling, and creating a finished product will be covered. Students will have the opportunity to become certified in Adobe Premiere.

Course Name	Course Type	HS Credit	Grade Level	Prerequisites	PCC Course Equivalent	PCC Credit
Foundations of Algebra A	A	2	9	ILP; IEP, ELL; MTSS; Teacher approval or recommendation; demonstrate below grade-level math proficiency by most recent evaluation		
Foundations of Algebra		2	9	Teacher recommendation		
Algebra I Part I		1	9, 10, 11			
Algebra I Part II		1	9, 10, 11	Foundations of Algebra or Algebra I Part I		
Career Math A	A	2	10, 11, 12	ILP; IEP, ELL; MTSS; Teacher approval or recommendation; demonstrate below grade-level math proficiency by most recent evaluation		
Career Math	C	1	10, 11, 12	(Concurrent Enrollment available ONLY after completion of two math courses prior to Career Math)	MAT 1140	3
Technical Math	C	1	10, 11, 12	(Concurrent Enrollment available ONLY after completion of two math courses prior to Technical Math)	MAT 1150	4
Financial Math	C	1	10, 11, 12	(Concurrent Enrollment available ONLY after completion of two math courses prior to Financial Math)	MAT 1160	3
Math for Liberal Arts	C	1	10, 11, 12	Algebra I Part II	MAT 1240	4
Geometry		1	9, 10, 11, 12	Algebra I Part II		
Statistics		1	10, 11, 12	Financial Math or Algebra I Part II		
(H) Algebra II	H	1	9, 10, 11, 12	Algebra I Part II		
(H) College Algebra	H, C	1	10, 11, 12	(H) Algebra II	MAT 1340	4
AP Statistics	AP, C	1	10, 11, 12	(H) Algebra II	MAT 1260	3
(H) Trigonometry	H	1	10, 11, 12	Geometry and (H) Algebra II		
AP Calculus	AP	1	11, 12	(H) College Algebra and (H) Trigonometry		

Course Name	Course Type	HS Credit	Grade Level	Prerequisites	PCC Course Equivalent	PCC Credit
Introduction to Computer Science	C	1	9, 10, 11, 12	Foundation of Algebra OR Algebra I Part I	CSC 1019	3
AP Computer Science Principles	AP	1	10, 11, 12	Algebra I Part II		
AP Computer Science A	AP	1	11, 12	AP Computer Science Principles, (H) Algebra II		
AP Physics	AP, C	1	10, 11, 12	(H) Algebra II (complete OR concurrent)	PHYS 1111	5

NOTES:

- For all math courses, refer to the math tracks diagram for suggested prerequisites.
- All freshmen will take two math courses unless they have completed Geometry.
- For students planning to attend a Colorado 4-year college after high school, it is recommended that students should complete through Algebra II. However, some college program requirements differ. For specific academic requirements, it is advised that students contact admissions or academic advising at the institution(s) they are considering.

Foundations of Algebra A

(Prerequisite: ILP, IEP, ELL, MTSS; Teacher approval or recommendation; Demonstrates below grade-level proficiency by a recent evaluation). This year-long, 2-credit freshman option is for students who need a slower-paced approach to the traditional Algebra I curriculum. Students will cover all of the topics covered in Algebra I Part I, with additional opportunities to revisit and expand their understanding of foundational concepts. Instruction will include the appropriate use of manipulatives, technology, and exposure to related disciplines (computer science, engineering, design, etc.) After successful completion of the course, students will be prepared to take Algebra I Part II, Career Math, or Technical Math.

Foundations of Algebra

This year-long, 2-credit freshman option is for students who need a slower-paced approach to the traditional Algebra I curriculum. Students will cover all of the topics covered in Algebra I Part I, with additional opportunities to revisit and expand their understanding of foundational concepts. Instruction will include the appropriate use of manipulatives, technology, and exposure to related disciplines (computer science, engineering, design, etc.) After successful completion of the course, students may go on to take Algebra I Part II, Career Math, or Technical Math.

Algebra I Part I

This course permits the student to master the following basic topics of algebra: signed numbers, absolute value, translation of phrases to mathematical expressions, order of operations, solving equations, linear equations, slope, x/y graphing, functions, direct variation, mathematical properties, practical applications, and communication of mathematical reasoning. Algebra I Part I and Algebra I Part II should be taken in the same school year in consecutive semesters.

Algebra I Part II

This course permits the student to master the following topics of algebra: algebraic fractions, ratios, proportions, inverse variations, percent, operations and factoring of polynomials, systems of equations, inequalities, radical expressions, quadratic equations, and basic trig functions. To align with standardized assessments, some concepts of this course will be developed with the use of a graphing calculator. Students will have access to graphing calculators during class time and school hours and are encouraged to have one of their own to assist in the understanding of these concepts. Algebra I Part I and Algebra I Part II should be taken in the same school year in consecutive semesters.

Career Math A

(Prerequisite:ILP, IEP, ELL, MTSS; Teacher approval or recommendation; Demonstrates below grade-level proficiency by most recent evaluation). This year long intervention class will build a bridge between conceptual math and applied math for students who are interested in the high school to career pathway. It will relay relevant concepts that will be useful in the workplace as well as everyday life, while at the same time model and maintain the Colorado Academic Content Standards for math. Topics to be covered in this course will include: problem solving, number sense, and computation skills, measurement systems, geometry, mathematical language and symbolism and algebraic methods.

Career Math

This course will build a bridge between conceptual math and applied math for students who are interested in the high school to career pathway. It will relay relevant concepts that will be useful in the workplace as well as in everyday life, while at the same time model and maintain the Colorado Academic Content Standards for math. Topics to be covered in the course will include: problem solving, number sense and computation skills, measurement systems, geometry, mathematical language and symbolism, and algebraic methods.

Technical Math

This class is designed for students who are on a non-4-year college degree pathway who will look to attain work immediately after high school or attend a vocational or trade school. Focus will be placed on the following: practical and application math dealing with specific topics that will be useful in a workplace or in life, carpentry and mechanical math tools, geometry topics that will be useful on a plumbing, electrical, welding or carpentry work site, units of measure and measurement conversions.

Financial Math

This class covers topics that include pricing, taxes, insurance, interest, annuities, amortization, investments using calculators and spreadsheets. Students in the class will use proportion, base, and rate to solve financial math applications, interpret business expense accounts, apply mathematical calculations to various investment options, apply mathematical calculations to various loan types, apply mathematical calculations to various tax and payroll scenarios.

Math for Liberal Arts

This course develops mathematical and problem-solving skills. Appropriate technological skills are included. Contents selected highlight connections between mathematics and the society in which we live. Topics include set theory and logic, mathematical modeling, probability and statistical methods, and consumer mathematics, additional content will include one topic in geometry, numeration systems, decision theory, or management science.

Geometry

This course involves the application of inductive and deductive reasoning. These thought processes will be applied to basic terminology, segments and angles, properties of parallel and perpendicular lines, congruent and similar triangles, properties of special quadrilaterals, polygons, right triangles, properties of circles, and area and volume of geometric solids. Incorporated throughout these sections are formal geometric proofs. This material is essential for students to advance in mathematics.

Statistics

This course will provide the student with a basic background in applied statistics. It is designed to address the needs not only of students who wish to pursue business or other technical careers, but also those who simply wish to apply their math knowledge to interesting practical problems in daily life. There are four broad conceptual themes covered including: exploring data through pattern analysis, sampling and experimentation, anticipating patterns through probability, and drawing statistical inference through estimation of population parameters.

(H) Algebra II

This course reviews and extends the student's understanding of relations and functions, linear equations, inequalities and systems, quadratic functions, polynomials, polynomial functions, polynomial equations, inverse functions, radical functions, exponential functions, logarithmic functions and rational functions.

(H) College Algebra

This course focuses on a variety of functions and the exploration of their graphs. Topics include: equations and inequalities, operations on functions, exponential and logarithmic functions, linear and nonlinear systems, and an introduction to conic sections.

AP Statistics

This non-calculus statistics course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data (describing patterns and departures from patterns), sampling and experimentation (planning and conducting a study), anticipating patterns (exploring random phenomena using probability and simulation), and statistical inference (estimating population parameters and testing hypotheses).

(H) Trigonometry

This is an advanced level math course and is comparable to a trig course taught in colleges and universities as it has a college level text as its curriculum base. It is strongly recommended that a student have a “B” or better in previous courses due to the rigor and depth of the content and the required commitment of time and effort on the part of the student to be successful in this course. This course will cover the concepts of trigonometric functions, circular functions and their inverses, trigonometric identities and equations, solving triangles by application of law of sines and cosines, vectors and their applications, polar coordinates, complex numbers and conic sections.

AP Calculus

AP Calculus is primarily concerned with developing the student’s understanding of the concepts of calculus and providing experience with its methods and applications. It is designed for mathematically-able students who have a thorough understanding of elementary functions, analytic geometry and a strong background in algebra, geometry and trigonometry. Advanced Placement course work is comparable to college/university calculus courses. The course emphasizes a multi-representational approach to calculus with concepts, results, and problems being expressed geometrically, numerically, analytically, and verbally.

Introduction to Computer Science

Introduction to Computer Science is all about problem-solving. Students will develop their problem-solving ability on a full set of varied programming challenges. Students will have ample opportunities to express their individuality in how they choose to meet the requirements of this course. Students work on their own projects, but the classroom develops a programming community atmosphere that encourages sharing of knowledge. Projects and assignments will be centered around math concepts taught at the algebra level. They will help solidify students' understanding of complex tasks that may have been introduced to them in a previous math course.

AP Computer Science Principles

This course offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

AP Computer Science A

The class is an introductory course in computer science. Because the design and implementation of computer programs to solve problems involve skills that are fundamental to the study of computer science, a large part of the course is built around the development of computer programs that correctly solve a given problem. These programs should be understandable, adaptable, and, when appropriate, reusable. At the same time, the design and implementation of computer programs is used as a context for introducing other important aspects of computer science including the development and analysis of algorithms, the development and use of fundamental data structures, the study of standard algorithms and typical applications, and the use of logic and formal methods. In addition, the responsible use of these systems is an integral part of the course. Students enrolled in this course will have some required summer course work. Please visit with the instructor prior to the end of school to obtain the necessary instructions and materials.

AP Physics

This course is designed to acquaint students with the language and theories of physics with emphasis on laboratory work and problem solving. It is a rigorous, comprehensive study of energy, its properties, and relationships. A few of the major topics are Newtonian mechanics (motion, forces, work, and power). These concepts and others are reviewed through laboratory, lecture, guided practice, and audio-visual aids. This course uses a digital text and virtual labs as part of the course work. It is highly recommended for students pursuing engineering, science, or medical careers. Students are required to provide a scientific calculator. This course can be applied to high school math credit requirements.

All of the following advanced-level math courses require the student to have a graphing calculator. The math department recommends students have a TI-84 series calculator. Graphing calculators (a TI-84 Silver) are available to be rented from the CCHS Math Department on a semester basis for $25. Before purchasing a graphing calculator, please check with your instructor as some classes may allow online graphing utilities.

- Statistics
- Algebra II
- (H) College Algebra
- (H) College Statistics
- AP Statistics
- (H) Trigonometry
- AP Calculus
- Introduction to Computer Science
- AP Computer Science Principles
- AP Computer Science A
- AP Physics

Course Name	Course Type	HS Credit	Grade Level	Prerequisites	PCC Course Equivalent	PCC Credit
Environmental Science A	A	1	9	ILP; IEP, ELL; MTSS; Teacher approval or recommendation; demonstrate below grade-level reading proficiency by most recent evaluation		
Environmental Science		1	9			
(H) Integrated Science	H	1	9	Demonstrate above grade-level science proficiency by most recent evaluation in middle school science classes		
(H) Principles of Biomedical Science**	H	1	9, 10, 11, 12	Can replace Biology		
Introduction to Agriculture		1	9, 10, 11, 12			
Biology A	A	1	10, 11, 12	ILP; IEP, ELL; MTSS; Teacher approval or recommendation; demonstrate below grade-level reading proficiency by most recent evaluation		
Biology		1	9, 10, 11, 12	Attempted Environmental Science or Introduction to Agriculture; can opt out of Biology by passing Principles of Biomedical Science		
(H) Human Body Systems	H	1	10, 11, 12	(H) Principles of Biomedical Science		
Horticulture		1	10, 11, 12	Attempted Environmental Science and Biology or (H) Integrated Science		
Environmental Horticulture	C	1	10, 11, 12	Attempted Environmental Science and Biology or (H) Integrated Science	ENV 1111	4
(H) General College Biology I with Lab	H, C	1	11, 12	Biology or (H) Integrated Science; (H) Chemistry recommended	BIO 1111	5
(H) Human Anatomy and Physiology I with Lab	H, C	1	12	(H) General College Biology I with Lab	BIO 2101	4
(H) Human Anatomy and Physiology II with Lab	H, C	1	12	(H) Human Anatomy and Physiology I with Lab	BIO 2102	4

Course Name	Course Type	HS Credit	Grade Level	Prerequisites	PCC Course Equivalent	PCC Credit
(H) Water Quality and Ecology	H, C	1	11, 12	Environmental Science, Biology or (H) Integrated Science, and Algebra I Part II; (H) Chemistry is recommended but NOT required	ENV 1111	4
(H) Hydrology and Watersheds	H, C	1	11, 12	Environmental Science, Biology or (H) Integrated Science, and Algebra I Part II; (H)Chemistry is recommended but NOT required	ENV 1111	4
Geology		1	10, 11, 12	Attempted Environmental Science and Biology or (H) Integrated Science		
(H) Rockets Design PAE (SYSTEMS GO)	H	1	9, 10, 11, 12			
(H) Rockets Design I (SYSTEMS GO)	H	2	10, 11, 12	(H) Rockets Design PAE (SYSTEMS GO) is suggested but NOT required; Algebra I Part II complete OR concurrent		
(H) Rockets Design II (SYSTEMS GO)	H	2	11, 12	(H) Rockets Design I (SYSTEMS GO)		
(H) Rockets Design III (SYSTEMS GO)	H	2	12	(H) Rockets Design II (SYSTEMS GO)		
(H) Chemistry	H, C	1	10, 11, 12	Algebra I Part II; Environmental Science AND Biology, OR (H) Integrated Science; scientific calculator	CHE 1005	5
AP Chemistry	AP, C	2	10, 11, 12	(H) Chemistry; scientific calculator	CHE 1111 & 1112	10
AP Physics	AP, C	1	10, 11, 12	Algebra II complete OR concurrent; scientific calculator	PHYS 1111	5

It is recommended that students complete a minimum of one science credit each year in grades 9 and 10. Students should select a minimum of one science class each semester during grades 11 and 12 if desired. Students in grades 9 and 10 may take two science credits in the same school year if they are strong science students and have counselor approval. Students who are admitted to a four-year college or university in Colorado are encouraged to take a minimum of three years of lab-based natural science.

9th Grade Required classes:

- **Environmental Science OR**
- **Introduction to Agriculture OR**
- **(H) Integrated Science***

***9th Graders who pass (H) Integrated Science can take (H) Chemistry in the spring semester**

****9th Graders can take Principles of Biomedical Science during their spring semester**

10th Grade Required classes:

- **Biology OR**
- **Principles of Biomedical Science OR**
- **(H) Integrated Science (in 9th grade) meets this requirement**

Environmental Science A

(Prerequisite: ILP, IEP, ELL, MTSS; Teacher approval or recommendation; Demonstrates below grade-level proficiency by a recent evaluation). One of the required options for 9th grade, semester-long, freshmen-level course that uses concepts in ecology, geology, meteorology, biology, chemistry, engineering, and physics to study environmental problems and human impacts on the environment.

Environmental Science

One of the required options for 9th grade, semester-long, freshmen-level course that uses concepts in ecology, geology, meteorology, biology, chemistry, engineering, and physics to study environmental problems and human impacts on the environment.

(H) Integrated Science

This course will integrate themes of classification, energy, structures and functions, and systems and interactions. It will incorporate both the standards taught in Earth science and biology. It will give advanced freshmen the opportunity to complete these standards in a semester. This course provides rigor and relevance as both Earth science and biology curriculum are combined.

(H) Principles of Biomedical Science

(H) Principles of Biomedical Science is a high school course in the Project Lead The Way Biomedical Science Program. This course serves to provide foundational knowledge and skills in fields such as biology, anatomy and physiology, genetics, microbiology, and epidemiology as well as engage students in how this content can be applied to real world situations, cases, and problems. This course can be taken in replacement of Biology.

Introduction to Agriculture

Introduction to Agriculture provides students with the opportunity to explore various aspects of the agricultural industry such as plant science, animal science, agriscience, and agribusiness. There will be many hands-on activities such as dissections, work in the greenhouse and other fieldwork.

Biology A

(Prerequisite: ILP, IEP, ELL, MTSS; Teacher approval or recommendation; Demonstrates below grade-level proficiency by most recent evaluation). “Biology” directly translates to the study of living things. In this course, students will be introduced to basic biological concepts such as: characteristics of living things, basic biochemistry, cell biology, DNA, genetics, and the classification of organisms.

Biology

“Biology” directly translates to the study of living things. In this course, students will be introduced to basic biological concepts such as: characteristics of living things, basic biochemistry, cell biology, DNA, genetics, and the classification of organisms.

(H) Human Body Systems

Human Body Systems is a semester course designed to follow Principles of Biomedical Science in the PLTW Biomedical Science pathway. This course provides foundational knowledge and skills in anatomy and physiology, clinical medicine, and laboratory research. The course engages students in how this content can be applied to real-world situations, cases, and problems. This course includes interviews, challenges, and testimonials from biomedical professionals in a variety of settings—clinical, research, and public health.

Horticulture

This course serves as an introduction to basic horticulture practices. Students study horticultural techniques used in personal and professional cultivation practices. These include aquaponic systems, hydroponic systems, and soil systems. This course will provide students with the opportunity to grow their own food as well as allow them to explore various business opportunities in the realm of agriculture and horticulture.

Environmental Horticulture

This course gives an overview of basic horticulture practices and has a strong focus on environmental sciences. Students are responsible for maintaining the greenhouse and its systems and are required to attend class in the greenhouse regularly. Concepts such as nutrient and water cycling, plant anatomy, propagation methods, and cultivation practices are covered via the implementation and maintenance of aquaponic systems, hydroponic systems, and soil systems. The environmental impacts of cultivation practices will also be addressed throughout the course.

(H) General College Biology I with Lab
Examines the fundamental molecular, cellular and genetic principles characterizing plants and animals. Includes cell structure and function, and the metabolic processes of respiration, and photosynthesis, as well as cell reproduction and basic concepts of heredity. The course includes laboratory experience.

(H) Human Anatomy and Physiology I with Lab
Focuses on an integrated study of the human body including the histology, anatomy, and physiology of each system. Examines molecular, cellular, and tissue levels of organization plus integuments, skeletal, articulations, muscular, and nervous systems. Includes a mandatory hands-on laboratory experience covering microscopy, observations, and dissection.

(H) Human Anatomy and Physiology II with Lab
Focuses on the integrated study of the human body and the histology, anatomy, and physiology of the following systems and topics: endocrine, cardiovascular, hematology, lymphatic and immune, urinary, fluid and electrolyte control, digestive, nutrition, respiratory, reproductive, and development. Includes a mandatory hands-on laboratory experience involving microscopy, observations, and dissection.

(H) Water Quality and Ecology
This course is an introduction to water quality and riparian (i.e. near river) ecology. This is a hands-on course; students are required to participate in field science data collection on a regular (1-2x per month) basis. The biological, physical, and chemical data conducted by students (via the Colorado River Watch Program) are used to inform decisions made by the State of Colorado and the EPA. Students will also learn about the Clean Water Act as well as water pollution sources and issues. Students who take this course will leave with the skillsets of water quality data collection, the understanding of ecological impacts and relationships, and the ability to consider how water quality influences/impacts riparian ecology. Students that take this class have the option to earn a River Watch of Colorado Certification, which is recognized by the Colorado Department of Education and various state and local employers.

(H) Hydrology and Watersheds
This course is an introduction to hydrology and watersheds via lab science, field science, and direct instruction. We will explore the occurrence, distribution, movement, and properties of water as well as water's relationship with the natural environment and human impact. The first half of the semester will focus on the physical properties of water including the hydrologic cycle, precipitation, streamflow, watersheds, groundwater, and hydraulics. The second half of the semester will be dedicated to applying this knowledge and building skill sets in the field. We will explore the many issues we face in Colorado such as climate, fire, flood, and drought; we will also examine how we can face these challenges through land and water management, policy, and the development of restoration projects. Students that take this class have the option to earn a River Science Certification, which is recognized by the Colorado Department of Education and various state and local employers.

Geology
The spectacular eruption of a volcano, the terror wrought by an earthquake, the magnificent scenery of a mountain valley, and the destruction created by a landslide are all subjects covered in geology. Geology will expand upon the physical world where basic Earth science left off. The Cañon City area is rich in geologic events, history, and landforms. This class will explain local features by relating them to global events and history. Geology is designed for the student who shows an interest in the physical world and a curiosity as to why the world looks the way it does. Extensive use of field trips, labs, and hands-on demonstrations are used to cover course material. Local resources will be used as references such as Tunnel Drive and Garden Park. Several walking trips to the Hogbacks and field trips to other local geologic areas provide outdoor, hands-on experiences in geology. Students need to be able to walk up to two miles.

(H) Principles of Applied Engineering PAE (SYSTEMS GO)
The first of four innovative hands-on high school science, technology, engineering and mathematics (STEM) courses that uses project-based learning to stimulate 21st Century workplace skills in: design, development, testing, analysis, critical thinking, cognitive reasoning, problem solving, innovation. Curricula covers introductions to the R&D industry and innovation; mechanical drafting/CAD for working drawings capture; and applied physics of main energy systems - mechanical, electrical, thermal, fluid - through design, build, and test projects.

(H) Rockets Design I (SYSTEMS GO)

Students will build 3 generations of smaller rockets while working towards their final goal of building a rocket that will travel 1 mile into the atmosphere carrying a 1 pound payload. Students will travel to an out of state location to launch their rockets and observe students from other states like Texas and New Mexico. It is the second of four innovative hands-on high school science, technology, engineering and mathematics (STEM) courses that uses project-based learning to stimulate 21st Century workplace skills in: design, development, testing, analysis, critical thinking, cognitive reasoning, problem solving, innovation. Curricula covers introductions to the R&D industry and innovation; mechanical drafting/CAD for working drawings capture; and applied physics of main energy systems - mechanical, electrical, thermal, fluid - through design, build, and test projects. While PAE is helpful, it is not necessary to enroll into this class. Students should be enrolled in or have completed Algebra I as a prerequisite for this class.

(H) Rockets Design II (SYSTEMS GO)

Students will build a mathematical flight profile using EXCEL for a rocket that will break the sound barrier and travel no more than 13,000 feet into the atmosphere. They will culminate this process by briefing actual NASA scientists and then they will research and build the rocket to be launched early in the spring at an out of state location and observe students from other states like Texas and New Mexico. It is the third of four innovative hands-on high school science, technology, engineering and mathematics (STEM) courses that uses project-based learning to stimulate 21st Century workplace skills in: design, development, testing, analysis, critical thinking, cognitive reasoning, problem solving, innovation. Curricula covers introductions to the R&D industry and innovation; mechanical drafting/CAD for working drawings capture; and applied physics of main energy systems - mechanical, electrical, thermal, fluid - through design, build, and test projects. Rockets I is a prerequisite for this class.

(H) Rockets Design III (SYSTEMS GO)

This is the final SYSTEMS GO class. Currently, it exists as an additional class to build a rocket that will break the sound barrier, but during this class, students will manufacture all of the parts that they most likely ordered during the previous 2 classes except for the engine. This class is currently in development and is in year 2 of Beta testing. The final time for development is still up in the air and will most likely will be reimagined after this years testing and refinement. Like the other classes listed above it is a hands-on high school science, technology, engineering and mathematics (STEM) course that uses project-based learning to stimulate 21st Century workplace skills in: design, development, testing, analysis, critical thinking, cognitive reasoning, problem solving, innovation. Curricula covers introductions to the R&D industry and innovation; mechanical drafting/CAD for working drawings capture; and applied physics of main energy systems - mechanical, electrical, thermal, fluid - through design, build, and test projects. Rockets I is a prerequisite for this course. Normal progression would be Rockets II then III, but Rockets II course could be waived and progress to Rockets III could be approved possibly by instructor.

(H) Chemistry

This course is designed to improve students' thinking skills and understanding of the strong relationship between mathematics and science. It is a rigorous, comprehensive study of matter, its properties, and relationships. Problem solving and laboratory activities are emphasized. The basic theories of chemistry, use of laboratory equipment, and metric measurement are stressed. A few of the major topics are atomic structure, periodic law, chemical bonding and nomenclature, states of matter, stoichiometry, acids and bases, and chemical equilibrium. These concepts and others are reviewed through laboratory, lecture, guided practice, and audio-visual aids. (H) Chemistry is a college preparatory course; it is highly recommended for students pursuing science, engineering, or medical careers. Students are required to provide a scientific calculator.

AP Chemistry

This course is designed to give students greater depth in the theories of chemistry with emphasis on laboratory work. It is a rigorous, comprehensive study of matter, its properties, and relationships. A few of the major topics are electrochemistry, kinetics, thermodynamics, colligative properties, and solubility equilibria. This course has a significant amount of problem solving and is designed to prepare students to take the AP Chemistry exam. It is highly recommended for students pursuing engineering, science, or medical careers. Students are expected to pay and take the Advancement Placement examination (approximate cost is $85 per exam.) Students who sign up to take the AP test and decide not to test will be charged the current College Board required processing fee. Only students who take the AP exam will have 'AP' notated on their transcript for the course. Students are required to provide a scientific calculator. This concurrent enrollment course meets part of the expectations for the chemistry requirements most life science majors will need.

AP Physics

This course is designed to acquaint students with the language and theories of physics with emphasis on laboratory work and problem solving. It is a rigorous, comprehensive study of energy, its properties, and relationships. A few of the major topics are Newtonian mechanics (motion, forces, work, and power). These concepts and others are reviewed through laboratory, lecture, guided practice, and audio-visual aids. This course uses a digital text and virtual labs as part of the course work. It is highly recommended for students pursuing engineering, science, or medical careers. This concurrent enrollment course can help meet one of the required physics credits for life science majors in college. Students are required to provide a scientific calculator. This course can be applied to high school math credit requirements.

Course Name	Course Type	HS Credit	Grade Level	Prerequisites	PCC Course Equivalent	PCC Credit
World Geography A	A	0.5	9	ILP; IEP, ELL; MTSS; Teacher approval or recommendation; demonstrate below grade-level reading proficiency by most recent evaluation		
World Geography		0.5	9	Required Freshman course		
US History		1	10, 11, 12			
(H) US History Since the Civil War	H, C	1	10, 11, 12		HIS 1220	3
American Government		1	11, 12			
AP Government and Politics	AP	1	11, 12			
World History		1	10, 11, 12			
International Relations		1	10, 11, 12			
Colorado History		1	10, 11, 12			
(H) Colorado History	H, C	1	11, 12		HIS 2135	3
AP European History	AP	1	10, 11, 12			
AP Art History	AP	1	10, 11, 12			
General Psychology I	C	1	11, 12		PSY 1001	3
AP Psychology	AP, C	1	11, 12		PSY 1001	3
Introduction to Criminal Justice	C	1	11, 12	"C" or better in ENG 1021; preference given to juniors and seniors	CRJ 1010	3

World Geography A

(Prerequisite:ILP, IEP, ELL, MTSS; Teacher approval or recommendation; Demonstrates below grade-level proficiency by most recent evaluation). Geography is a course about the Earth and the relationships and distribution of its people and resources. Basic concepts of geography and the use of essential tools and skills will be introduced. The interaction between humans and the physical environment will be emphasized for the regions of the world. Global perspectives and problems will be studied through cultural, economic, historical, political, and urban geography. The specific units covered will be location, place, regions, movement, and human and environmental interaction.

World Geography

Geography is a course about the Earth and the relationships and distribution of its people and resources. Basic concepts of geography and the use of essential tools and skills will be introduced. The interaction between humans and the physical environment will be emphasized for the regions of the world. Global perspectives and problems will be studied through cultural, economic, historical, political, and urban geography. The specific units covered will be location, place, regions, movement, and human and environmental interaction.

US History
Students will study major eras of 20th and 21st century American history such as WWI, WWII, the Cold War era, and recent history, depending on each year's focus and theme.

(H) US History Since the Civil War
This college level course examines the social, economic, political, and diplomatic history of the United States from the post Civil War era to present day. It focuses on developing, practicing, and strengthening the skills historians use while constructing knowledge in the discipline.

American Government
This course presents a nonpartisan study of the United States governmental system in terms of function, history, and philosophy with additional emphasis placed on civic responsibility, political parties, individual rights, comparative political systems, economics, and personal finance literacy.

AP Government and Politics
This course is a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will analyze and study US foundational documents, supreme court decisions, and other texts to understand the relationships and interactions among political institutions, processes, and behavior.

World History
This class studies the history of mankind and the human impact on the world. The course traces mankind's journey through ancient civilizations to the modern world and helps students create solutions to today's issues through a better understanding of the past.

International Relations
This course is designed to provide students with an understanding of the foundations and theories underlying international relations in the 21st Century. Major topics include diplomacy, globalization, international intervention, global security and what it means and takes to be a global citizen in the 21st century.

Colorado History
The scientific study of behavior including motivation, emotion, physiology, psychology, stress and coping, research methods, consciousness, sensation, perception, learning, and memory.

(H) Colorado History
This college-level course presents the people, society, and cultures of Colorado from its earliest Native Americans, through the Spanish influx, the explorers, the mountain men, the gold rush, railroad builders, the cattlemen and farmers, the silver boom, the tourists, and the modern state. Throughout the course, students will use primary and secondary source material to investigate the history of Cañon City and Fremont County and determine how our local history was affected by state and national movements and events.

AP European History
In this course, students will investigate significant events, individuals, developments, and processes from approximately 1450 to the present. Students develop and use the same skills 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.

AP Art History
This is a college level survey course of art history from cave paintings to the 21st Century. The focus of study is on painting, sculpture, and architecture. Slides, lectures, films, and a visit to the Denver Art Museum are part of this course. Participants are expected to take the AP Art History examination in May.

General Psychology I
The scientific study of behavior including motivation, emotion, physiology, psychology, stress and coping, research methods, consciousness, sensation, perception, learning, and memory.

AP Psychology

The primary goal of this course is to increase the understanding of psychology, its methods, theory, and research, with the objective that each student pass the AP Psychology exam. All concepts outlined in the Advanced Placement Psychology course description will be covered. Concepts include scientific foundations of psychology, biological bases of behavior, sensation, perception, learning, cognitive psychology, developmental psychology, motivation, emotion, personality, clinical psychology, and social psychology.

Introduction to Criminal Justice

This course introduces the basic components of the criminal justice system in the United States. Concepts of crime, crime data, victimization, perspectives, and views of crime, theory, and law are discussed. Particular attention to the criminal justice process, interaction and conflict between criminal justice agencies, and current criminal justice issues are examined.

Course Name	Course Type	HS Credit	Grade Level	Prerequisites	PCC Course Equivalent	PCC Credit
AJROTC I		1	9, 10, 11, 12			
AJROTC II		1	9, 10, 11, 12	AJROTC I		
AJROTC III		1	10, 11, 12	AJROTC II		
AJROTC IV		1	10, 11, 12	AJROTC III		
AJROTC V		1	11, 12	AJROTC IV		
AJROTC VI		1	11, 12	AJROTC V		
AJROTC VII		1	12	AJROTC VI		
AJROTC VIII		1	12	AJROTC VII		
AJROTC Specials – Air Rifle Marksmanship		0.5	9, 10, 11, 12			
AJROTC Specials – Color Guard/Drill Team		0.5	9, 10, 11, 12			
AJROTC Specials - RAIDERS		0.5	9, 10, 11, 12			

The Army JROTC Leadership and Education (LET) Program is designed to teach high school students the value of citizenship, leadership, service to community, personal responsibility, and a sense of accomplishment while instilling in them self-esteem, teamwork, and self-discipline. Its focus is reflected in its mission statement, "To motivate young people to be better citizens." It prepares high school students for responsible leadership roles while making them aware of their rights, responsibilities, and privileges as American citizens. The program is a stimulus for promoting graduation from high school, and it provides rewarding opportunities that will benefit the student, community, and nation. The AJROTC program is a cooperative effort on the part of the Department of the Army and Cañon City High School.

Satisfactory completion of at least two semesters of the program can lead to advanced rank in the Armed Forces and enable students to pursue careers or professional education in a variety of post-secondary options within several CCHS pathways. AJROTC affords leadership development opportunities for all students, whether entering the workforce directly or enlisting in the military after high school, or attending college upon graduation. Our goal is to produce successful and productive adults. An organized and disciplined learning environment is AJROTC's contribution to the school's culture. Community service and self-respect are cornerstones of the AJROTC curriculum. Students will wear uniforms and follow specific grooming requirements.

AJROTC I

LET I is the first of four courses in the AJROTC program and offers twenty-two lessons designed for you, a first-year cadet. It will be an invaluable resource of content that will help the leader within you emerge. The knowledge, skills, and abilities you will acquire as a LET I are JROTC foundations, personal growth and behaviors, team building, decision making, health and fitness, and service learning. This 18-week course is a prerequisite for AJROTC LET II.

AJROTC II

LET II is the second of four courses in the AJROTC program and offers twenty-four lessons built upon the concepts of what you learned as an emerging leader in AJROTC LET I. As a second-year cadet you will be introduced to new content that will help you develop as a leader in the program, your school, and community. The knowledge, skills, and abilities you will acquire as a LET II are the elements, attributes, competencies and styles of leadership, communication, leading drill and ceremony, first aid, strategies to deter and prevent bullying, nutrition, service learning, and citizenship and government. This 18-week course is a prerequisite for AJROTC LET III.

AJROTC III

LET III is the third of four courses in the AJROTC program and offers twenty lessons that further explores the content area you learned in AJROTC LET II and introduces new content areas that you will rely on as you learn about the supervisory skills needed for future success. The knowledge, skills, and abilities you will acquire as a LET III are the leadership skills needed to properly supervise others, make leadership decisions, and assess your own management style. You will also explore the education requirements for your future career goals, learn about platoon drills, explore strategies for neutralizing prejudice in your relationships and how to resolve conflicts, learn about the troubling effects of drugs, tobacco, and alcohol in today's society and serve as the lead planner for service learning and continuous improvement projects. This 18-week course is a prerequisite for AJROTC LET IV.

AJROTC IV

LET IV is the final of four units in the AJROTC program and offers twelve lessons designed to help develop strong leaders and model citizens. As a fourth-year cadet, you will continue to build on LET levels I-III knowledge and skills, and find yourself being introduced to new content that will help you continue to lead others in your battalion. The knowledge, skills, and abilities you will acquire as a LET IV are seeing the big picture of the JROTC program and how its outcomes relate to leadership, thinking about topics like personal independence and accountability, and professional development, how to motivate others and overcome common communication barriers, service learning, and dive deeper into topics about citizenship and government. Successful completion of this 18-week course and instructor recommendation is required in order to continue with AJROTC LET V - VIII.

AJROTC V

Students in AJROTC LET V - VIII typically hold the most senior leadership positions within the battalion and are charged with running the day-to-day activities by serving as a leader within a cadet company or on the battalion staff. Class time is spent planning, executing, and directing service learning and continuous improvement projects, and planning battalion events for the school year. LET V - VIII cadets will experience the practical application of leadership theory both as an art and science and will also serve as instructional aides to LET I students.

AJROTC VI

Students in AJROTC LET V - VIII typically hold the most senior leadership positions within the battalion and are charged with running the day-to-day activities by serving as a leader within a cadet company or on the battalion staff. Class time is spent planning, executing, and directing service learning and continuous improvement projects, and planning battalion events for the school year. LET V - VIII cadets will experience the practical application of leadership theory both as an art and science and will also serve as instructional aides to LET I students.

AJROTC VII

Students in AJROTC LET V - VIII typically hold the most senior leadership positions within the battalion and are charged with running the day-to-day activities by serving as a leader within a cadet company or on the battalion staff. Class time is spent planning, executing, and directing service learning and continuous improvement projects, and planning battalion events for the school year. LET V - VIII cadets will experience the practical application of leadership theory both as an art and science and will also serve as instructional aides to LET I students.

AJROTC VIII

Students in AJROTC LET V - VIII typically hold the most senior leadership positions within the battalion and are charged with running the day-to-day activities by serving as a leader within a cadet company or on the battalion staff. Class time is spent planning, executing, and directing service learning and continuous improvement projects, and planning battalion events for the school year. LET V - VIII cadets will experience the practical application of leadership theory both as an art and science and will also serve as instructional aides to LET I students.

AJROTC Specials – Air Rifle Marksmanship

Air rifle marksmanship training is provided as part of the AJROTC Specials Block. It's a three-part program that combines a basic marksmanship safety course, marksmanship training, and air rifle competition. Students participating in the AJROTC Specials Block must be enrolled in regular AJROTC class for at least one semester per academic year. The air rifle marksmanship portion of the AJROTC Specials Block is provided at no cost to the student. Cañon City High School will provide quality air rifles and all associated equipment related to the sport of 3-position air rifle shooting. Students may try out for the competitive air rifle team each fall, with a maximum of 12 shooters on the team — an extracurricular course fee will be assessed.

AJROTC Specials – Color Guard/Drill Team

The AJROTC Color Guard is one of the most important functions of a AJROTC unit. It represents the AJROTC program and the U.S. Army to the general public. It is an honor and a privilege to be on the AJROTC Color Guard. Students must be enrolled and participating in at least one full semester of AJROTC to be a member. Cañon City High School Army AJROTC will always have, at a minimum, two Color Guards that are active at any given time. Color Guards are composed of a minimum of two (2) flag bearers and two (2) rifle-carrying guards. There will be special occasions when the Color Guard will utilize sabers and form what is known as the "Saber Guard." Examples of these special occasions are when the homecoming court is announced or during high school graduation ceremonies. The AJROTC Drill Team is a precision drill platoon with the primary mission of showcasing the skills of select AJROTC Cadets through precise and dynamic routines, both with and without drill rifles. Students must be enrolled and participating in at least one full semester of AJROTC to be a member. Cadets who choose to participate on the drill team can expect to practice several times a week; the rigors of training are continuous because the drill team is expected to execute their complicated routines as close to perfection as possible.The Drill Team consists of a Commander and 9-15 additional members. The Drill Team Cadets and their performances are one of the finest examples of what dedicated training and teamwork produces in today's AJROTC program. Both the competition Color Guard and Drill Team have the opportunity to compete against other schools and showcase their skills and dedication. In doing so, competitors can earn their varsity letter just as in any other high school athletic program. Both the Color Guard and Drill Team can assist students by: providing disciplinary training through instilling habits of precision and automatic response to simple commands and orders increasing the confidence of young leaders through the exercise of command. Building morale by developing team spirit and unit pride.

AJROTC Specials - RAIDERS

Raiders training is provided as part of the AJROTC Specials Block. The Raider course will focus on goal-setting, the elements of health and physical fitness, team work, land navigation, first aid, knot tying, and nutrition. Students participating in the AJROTC Specials Block must be enrolled in a regular AJROTC class for at least one semester per academic year. The Raiders class portion of the AJROTC Specials Block is provided at no cost to the student. Cañon City High School will provide all associated equipment related to training and fitness. Students may try out for the Raider team — an extracurricular course fee will be assessed.

Course Name	Course Type	HS Credit	Grade Level	Prerequisites	PCC Course Equivalent	PCC Credit
Personal Finance I		0.5	9, 10, 11, 12			
Introduction to Business	C	0.5	9, 10, 11, 12		BUS 1015	3
Introduction to Economics		0.5	10, 11, 12			
Tiger Production: Principles of Marketing		1	10, 11, 12	Introduction to PC Applications AND Introduction to Business		
Social Media for Business	C	1	10, 11, 12	Tiger Production: Principles of Marketing	MAR 2016	3
Fundamentals of Accounting	C	1	10, 11, 12	Introduction to PC Applications AND Introduction to Business	ACC 1021	4
(H) Accounting Principles II	H, C	1	11, 12	Fundamentals of Accounting	ACC 1022	4
Introduction to Entrepreneurship & Entrepreneurship I	C	1	10, 11, 12	Social Media for Business AND Web Design I OR Graphic Design & Adobe Photoshop I	ENP 1005	3

Personal Finance I
Money, money, money!!! Budgets, banking, and personal business tasks—I know these things are in my future, but what are they? Learn how to be a wise consumer and make your future financially successful by entering the "real world" through Personal Finance! The course emphasizes the basics of budgeting, buying, saving, borrowing, career planning, investing, retirement planning, estate planning, insurance, and income taxes.

Introduction to Business
Introduces the application of fundamental business principles to local, national, and international forums. This course examines the relationship of economic systems, governance, regulations, and law upon business operations. It surveys the concepts of career development, business ownership, finance and accounting, economics, marketing, management, operations, human resources, regulations, and business ethics.

Introduction to Economics
Basic principles of both micro and macroeconomics are covered throughout this class. Additionally, this course covers economic theories, supply and demand, national income accounting, money and banking, market structures and contemporary economic issues. These issues may include but aren't limited to: unemployment rate, gross domestic product, inflation rate, monetary and fiscal policy, and how the economic decisions made by individuals, governments, and businesses impact members of society.

Tiger Production: Principles of Marketing
Students supply, create products, market and run a school manufacturing business. Students learn the marketing processes and the strategies of product development, pricing, promotion and distribution. Students develop relationships with local consumers and businesses, research their needs, and then design and produce products to meet market demand. Students get hands-on manufacturing experience and develop employable skills using the laser etcher, UV printer, CNC router, laser cutter, and have the opportunity to manage the Tiger Den School Store in person and through the online store via Shopify.

Social Media for Business

Social media is at the forefront of culture. Be a content creator! Use these tools for free advertising and capitalize on user created content as essential components in today's digital marketplace. Students will learn how to use social media as a business strategy and the course 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.

Fundamentals of Accounting

Basic money knowledge is a MUST, whether you are heading for college or entering the business world! Every person and business has to keep records of their daily activities. We will study 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.

(H) Accounting Principles II

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. Explore and learn to use Quickbooks while pursuing Quickbooks Certification.

Introduction to Entrepreneurship & Entrepreneurship I

Small businesses are the foundation of communities. This course teaches entrepreneurs planning skills from the development of a conceptual business to an actual comprehensive business plan. Guest speakers are an integral part of the course. Additional topics include marketing strategies and tactics, liability protection, growth management, financial management and projections, networking, and funding options. Students will have the opportunity to get certified in Entrepreneurship and Small Business.

Course Name	Course Type	HS Credit	Grade Level	Prerequisites	PCC Course Equivalent	PCC Credit
Introduction to PC Applications A	A	0.5	9	Prerequisite: ILP, IEP, ELL, MTSS; Teacher approval or recommendation; Demonstrates below grade-level proficiency by most recent evaluation		
Introduction to PC Applications		0.5	9	Required Freshman course		
Advanced PC Applications & Microsoft Office Specialist	C	1	10, 11, 12	Introduction to PC Applications	CIS 1018	3
Digital Photography		1	10, 11, 12	Introduction to PC Applications		
Graphic Design & Adobe Photoshop I	C	1	10, 11, 12	Introduction to PC Applications	MGD 1011	3
Adobe Illustrator I	C	1	10, 11, 12	Introduction to PC Applications	MGD 1012	3
Web Design I	C	1	10, 11, 12	Introduction to PC Applications	CWB 1030	3
Introduction to Game Design		1	10, 11, 12	Introduction to PC Applications		
Computer Information Systems	C	1	10, 11, 12	Introduction to PC Applications	CIS 1015	3
Computer Technician I: A+	C	1	10, 11, 12	Computer Information Systems	CNG 1021	4
Computer Technician II: A+	C	1	10, 11, 12	Computer Technician I: A+	CNG 1022	4
Networking I: Network +	C	1	10, 11, 12	Computer Information Systems	CNG 1024	3
Networking II: Network +	C	1	10, 11, 12	Networking I: Network +	CNG 1025	3
Network Security Fundamentals	C	1	10, 11, 12	Computer Information Systems	CNG 1032	3

Introduction to PC Applications A

(Prerequisite: ILP, IEP, ELL, MTSS; Teacher approval or recommendation; Demonstrates below grade-level proficiency by a recent evaluation). Most of you have, or will use a computer – but do you really know how to make it work for YOU? Intro to PC Applications is the place to bring it all together. You will learn about computer terminology, file management, Google Suite, Microsoft Office, and explore other valuable applications. Students will also build a foundation in systems used throughout their high school career such as Schoology and Infinite Campus.

Introduction to PC Applications

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Advanced PC Applications & Microsoft Office Specialist

Whether you are college bound or entering the workforce, Advanced PC Applications will provide you the necessary skills to thrive. Learn about PC operating systems and prepare to take Microsoft Office Specialist Exams to become certified in Microsoft Word, Excel, and PowerPoint. Learn other advanced features and develop proficiency in the integration of the Microsoft Office Suite into business and the management of useful information.

Digital Photography

Provides an overview of Digital Photography and its role in society. This course emphasizes terminology and the identification of camera components and software used in photo and video editing. We will train on the use and care of professional cameras and equipment.

Graphic Design & Adobe Photoshop I

Digital Graphic Design emphasizes the computer as a creative tool for students. Learn the use of graphic tools, typography, design layout, and the production of graphic publications. Learn the high-end capabilities of Adobe Photoshop as an illustration, design, and photo retouching tool. Students explore a wide range of selection and manipulation techniques that can be applied to photos, graphics, animation, and videos. Students will have the opportunity to become certified in Adobe Photoshop.

Adobe Illustrator I

This course concentrates on the high-end capabilities of Adobe Illustrator as an illustration, design, and vector drawing tool. Students learn how to use the tools to create digital artwork that can be used in web design, print media, and digital screen design. Students will have the opportunity to become certified in Adobe Illustrator.

Web Design I

This course introduces website planning, design, and creation utilizing HTML through industry-standard development tools and CMS. Emphasis is placed on applying stylistic decisions using cascading style sheets (CSS). Web based considerations regarding color, typography, aesthetics, user interface design, and process integration with visual-based design tools will be explored.

Intro to Game Design

Take on the role of game designer, creative director, graphic designer, and game tester in planning, assembling, and marketing a video game using the tools learned throughout the course. Learn the fundamentals of 2D and 3D games, and what the key differences are between the two. Learn the basics of C# coding, which is used to make basic systems for games.

Computer Information Systems

Focuses on an overview of the needs for and roles of computer information systems. Emphasizes computer requirements in organizations, history, hardware functions, programming, systems development, and computer operations. Introduces computer applications.

Computer Technician I: A+

Provides students with an in-depth look at personal computer hardware, introduces networking concepts, and covers operational procedures and troubleshooting, all of which are necessary for a successful entry-level computer service technician position. Provides extensive hands-on work with computer systems, PC setup and configuration, and basic maintenance and troubleshooting. This course helps prepare you for the first CompTIA A+ Exam.

Computer Technician II: A+

Provides students with an in-depth look at desktop and mobile Operating System support, maintenance and troubleshooting, and an overview of security concepts and interpersonal skills, all of which are necessary for a successful entry-level computer service technician position. Provides extensive hands-on work with current operating systems, including using common GUI and command line tools, registry editing, system backup and recovery, and advanced troubleshooting. This course helps prepare you for the second CompTIA A+ Exam.

Networking I: Network +

Provides students with the knowledge necessary to understand, identify, and perform necessary tasks involved in supporting a network. Covers the vendor-independent networking skills and concepts that affect all aspects of networking, such as installing and configuring the TCP/IP. This course also prepares students for the Networking II: Network + course.

Networking II: Network +

Continues to provide students with the knowledge necessary to implement and support a network. Focuses on the vendor-independent networking skills and concepts that affect all aspects of networking. The Networking I and II: Network + courses prepare students for the Network + certification.

Network Security Fundamentals

Examines the field of information security to prepare information systems students for their future roles as business decision-makers. The course presents a balance of the managerial and the technical aspects of information security. The concepts covered in this course should be helpful for students working towards the Certified Information Systems Security Professional (CISSP) certification.

Course Name	Course Type	HS Credit	Grade Level	Prerequisites	PCC Course Equivalent	PCC Credit
Education						
Child Development	C	1	10, 11, 12		PSY 2441	3
Human Growth & Development	C	1	11, 12		PSY 2440	3
(H) Teacher Cadet I	H, C	1	11, 12	Application process; Interpersonal Relationships; Child Development and Psychology recommended	EDU 2211	3
(H) Teacher Cadet II	H, C	1	12	Application process; (H) Teacher Cadet I	TBD	
Hospitality & Food Production						
Culinary Nutrition		1	9, 10, 11, 12	Course fee applicable		
Culinary Essentials I & II		1	9, 10, 11, 12	Course fee applicable		
ProStart I	C	1	10, 11, 12	Application process; course fee applicable; Culinary Essentials I & II	CUA 1001 & HOS 1005	5
Catering I	C	1	10, 11, 12	Course fee applicable; ProStart I	CUA 1031 & HOS 1031	4
ProStart II	C	1	11, 12	Course fee applicable; Catering I	CUA 1025	4
Interior Design & Fashion Design						
Design Seminar		0.5	9, 10, 11, 12	Course fee applicable		
Interpersonal Relationships		0.5	9, 10, 11, 12			
Fashion Design and Merchandising I		1	10, 11, 12	Course fee applicable; Design Seminar AND Interpersonal Relationships		
Fashion Design and Merchandising II		1	10, 11, 12	Course fee applicable; Fashion Design and Merchandising I		
Interior Design I: Residential		1	10, 11, 12	Course fee applicable; Design Seminar AND Interpersonal Relationships		

Education

Child Development
Covers the growth and development of the child from conception through the elementary school years. This course emphasizes physical, cognitive, language, social and emotional domains of development as they pertain to the concept of the whole child. It also includes ways adults can provide a supportive early childhood and educational environment through teamwork and collaboration.

Human Growth & Development
Examines human development from conception through death, emphasizing physical, cognitive, emotional and psychosocial factors.

(H) Teacher Cadet I
The Teacher Cadet Program is an innovative approach designed to attract talented young people to the teaching 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. Colorado Teacher Cadets who successfully complete the full-year program are eligible to apply for college credit and field experience hour credits with several Colorado colleges. Students interested in becoming Teacher Cadets their junior or senior year need to complete an application process and meet minimum 3.0 grade requirement to be accepted into the program. It is highly recommended that students take Child Development and Psychology before participating in this program.

(H) Teacher Cadet II
Teacher Cadet II is designed to provide additional field experience for those students who have completed the (H) Teacher Cadet I course. For students who know they want to enter the education profession, this field experience will enhance their understanding of classroom instruction and the challenges facing education today. The field experience will include a minimum of 100 hours each semester of field contact time working with a mentor/clinical teacher plus 10 hours of seminar time at CCHS with the Teacher Cadet instructor. Field experience placement will consist of one site. These experiences will be documented in a culminating portfolio.

Hospitality & Food Production

Culinary Nutrition
The purpose of this course is to develop lifelong, healthy individuals with an understanding of healthy and nutritious preparation techniques utilizing various resources and skills. Emphasis is placed on implementing healthy nutritional choices, preparing nutrient-dense seasonal foods, sports nutrition, exploring careers related to culinary nutrition, and practicing wise consumer decisions. There is a course fee.

Culinary Essentials I & II
This course is for the student with an interest in the food industry. The focus of this course includes food safety and sanitation practices, introduction to industry equipment and practicing in a commercial kitchen. You will learn food preparation techniques and basic culinary skills which will give you an opportunity to carry-out catering jobs and hone your teamwork, communication, and customer service skills. Students will be responsible to pay a lab fee to cover the cost of the food.

ProStart I
This course is a school-to-career program sponsored by the National Restaurant Association. It provides training in the hospitality and foodservice industry and is specifically designed for those students with a serious desire to make a career in the industry. Opportunities to work with experts, experience paid internships, and earn college credit and scholarships will be explored. At the end of the 2-year program, students may elect to sit for the National Restaurant Association Exam. Because of the hands-on nature of this class, consistent attendance is necessary for success. Students will be responsible to pay a lab fee.

Catering I
This semester program is designed for students with career interests in the food industry as well as owning their own catering business. The purpose of this course is to develop skills in quantity food preparation, safety and sanitation, planning, customer service, business plans and entrepreneurship. FCCLA is also an integral part of this course. Students will apply for their Cottage Food License. ProStart I is a prerequisite. There is a lab fee.

ProStart II

This course is a continuation of the ProStart I course sponsored by the National Restaurant Association. The course builds on the ProStart 1 course and provides more in-depth training and experience in the hospitality and restaurant industry. Opportunities to work with experts, experience paid internships, and earn college credit and scholarships are an integral part of this course. Because of the hands-on nature of this class, consistent attendance is necessary for success. Students will be responsible to pay a lab fee.

Interior Design & Fashion Design

Design Seminar

This course will give students an introduction to the elements and principles of design as seen in interior design, fashion design, publishing and a variety of other fields. In addition, it will introduce students to the many careers that require design and allow them to analyze their own career pathways to determine where design might fit. This course is an introduction to the fashion and interior design pathway.

Interpersonal Relationships

If you are interested in a career as a psychologist, social worker, educator, or therapist this course will help you achieve that goal. Our relationships have a huge impact on our lives. In order to have successful relationships, many important skills are needed. Relationships is a course designed for those interested in learning about effective strategies for improving interpersonal relationship skills within friendships, opposite sex relationships, and family relationships. Some of the topics include: self-concept, values, stress management, depression, communication, decision-making, compatibility factors, love, marital readiness, and dealing with family and individual crises.

Fashion Design and Merchandising I

The purpose of this course is to expose students to various aspects of the fashion design and merchandising industry. Students integrate knowledge, skills, and practices to evaluate potential career opportunities. Emphasis is placed on an introduction to fashion, fashion and textile selection, product construction and fashion merchandising. This class also includes beginner sewing products and practices. There is a course fee.

Fashion Design and Merchandising II

The purpose of this course is to expand students' knowledge on various aspects of the fashion design and merchandising industry. Students investigate how to promote, create, and sell a fashion line. Students will analyze factors that contribute to customer service. This class also includes advanced sewing techniques that deal with alterations and creation of clothing items. There is a course fee.

Interior Design I: Residential

The purpose of this course is to expose students to various aspects of the interior design industry and is based on the industry's professional standards (Council of Interior Design Accreditation-CIDA). The first semester focuses on residential design. Students integrate knowledge, skills, and practices to evaluate potential career opportunities. Areas of focus include: introduction to residential and commercial design; design drawings; professional practices/education; design elements and principles; and the design process. There is a course fee.

Course Name	Course Type	HS Credit	Grade Level	Prerequisites	PCC Course Equivalent	PCC Credit
Automotive Technology						
Introduction to Automotive Technology	C	0.5	10, 11, 12 (9 if PTECH)	Safety glasses required	ASE 1002, 1020	4
Automotive Technology I	C	4	11, 12 (10 if PTECH)	Instructor approval; safety glasses required; Introduction to Automotive Technology	ASE 1010, 1011, 1040, 1041, 2010, 2040, 2064, 2065, 2181	18
Automotive Technology II	C	4	12 (11 if PTECH)	Instructor approval; safety glasses required; Automotive Technology I	ASE 1023, 1030, 1032, 1061, 1062, 2060, 2182	13
Automotive Technology Internship	C	1	11, 12	Successfully complete Automotive Technology I and concurrently enrolled in Automotive Technology II; coordinated by PCC Instructor and CCHS PaICE Coordinator	ASE 2181, 2182	1 each
Criminal Justice						
Introduction to Criminal Justice	C	1	10, 11, 12	"C" or better in ENG 1021; preference given to juniors and seniors	CRJ 1010	3
Fire Science						
Introduction to Fire Science I	C	1	10, 11, 12		FST 1002 & 1003	6
Introduction to Fire Science II	C	1	10, 11, 12	Introduction to Fire Science I	FST 1005 & 1009	6
Health Science						
Introduction to Health Science	C	1	9, 10, 11, 12		HPR 1000	3
Human Nutrition and Health	C	0.5	10, 11, 12	Introduction to Health Science	HPR 1010	1
Medical Terminology	C	1	10, 11, 12	Introduction to Health Science	HPR 1039	2
Certified Nurse Aide (CNA)	C	1	11, 12	All current immunizations; pass a background check and a drug screen; course fee applicable; Human Nutrition and Health AND Medical Terminology	NUA 1001 & 1070; HPR 1011	5.5

Course Name	Course Type	HS Credit	Grade Level	Prerequisites	PCC Course Equivalent	PCC Credit
Emergency Medical Responder	C	1	10, 11, 12	Course fee applicable; Introduction to Health Science	EMS 1015 & HPR 1011	3.5
Emergency Medical Technician (EMT)	C	4	12	Only offered in the evenings at the PCC campus; 18 years of age; all current immunizations; pass a background check and a drug screen; CPR Certified; Emergency Medical Responder	EMS 1021, 1022, 1023, 1024, 1070	12
Welding						
WEL 1002-Oxy-Acetylene Joining Process	C	1	10, 11, 12	Instructor approval; safety glasses required; course fee applicable; Survey of Welding highly recommended	WEL 1002	4
WEL 1003-Basic Shielded Metal Arc Welding I	C	1	10, 11, 12	Instructor approval; safety glasses required; course fee applicable; WEL 1002	WEL 1003	4
WEL 1004-Basic Shielded Metal Arc Welding II	C	1	11, 12	Instructor approval; safety glasses required; course fee applicable; WEL 1003	WEL 1004	4
WEL 1006-Blueprint Reading for Welders	C	1	11, 12	Instructor approval; safety glasses required; course fee applicable; WEL 1004	WEL 1006	4
WEL 2050-Layout and Fabrication	C	1	11, 12	Instructor approval; safety glasses required; course fee applicable; WEL 1002	WEL 2050	4
Automotive Technology						

Introduction to Automotive Technology

This is a preparatory class for Automotive Technology I and II. Basic instruction in shop safety, tool and equipment use, and electrical and different vehicle systems will be provided. Throughout the length of this quarter-long course, students will be involved in classroom discussion and hands-on shop time to work on vehicles' basic systems. Students will earn at least eight industry certifications and the Snap-on 504 multimeter certification and four (4) college credits from the PCC Auto Technology program upon completion. Students are to provide their own safety glasses.

Automotive Technology I

Students will build on their training from the Introduction to Automotive Technology class. The Automotive Technology I class will focus on the brakes, steering and suspension, electrical as well as HVAC systems. Students will earn several industry-standard certifications. Students will earn eighteen (18) college credits from the PCC Auto Technology program upon successful completion. Students are to provide their own safety glasses.

Automotive Technology II

Students will build on their training from the Automotive Technology I class. The Automotive Technology II class will focus on the electrical and engine systems. Students will earn several industry-standard certifications. Students will earn fifteen (15) college credits from the PCC Auto Technology program upon successful completion and may be eligible to participate in the PCC graduation ceremony for their certifications. Students are to provide their own safety glasses.

Automotive Technology Internship

This course emphasizes practical on-the-job, work-related experience that corresponds to the area of study. In this semester, the student will take all related sponsor requirements in Service Training Standards (STS) or others as required by the program track. This unpaid internship requires 45 contact hours with the employer and instructor. Students are to provide their own safety glasses.

Criminal Justice

Introduction to Criminal Justice

Introduces the basic components of the criminal justice system in the United States. Concepts of crime, crime data, victimization, perspectives, and views of crime, theory, and law are discussed. Particular attention to the criminal justice process, interaction and conflict between criminal justice agencies, and current criminal justice issues are examined. This can count as a Social Studies credit.

Fire Science

Introduction to Fire Science I

FST 1002: Provides an overview to fire protection; career opportunities in fire protection and related fields; philosophy and history of fire protection/service; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics. FST 1003: Explores the theories and fundamentals of how and why fires start, spread, and are controlled.

Introduction to Fire Science II

FST 1005: Provides the components of building construction that relate to fire and life safety. The focus of this course is on firefighter safety. The elements of consideration and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations, and operating at emergencies. FST 1009: Introduces the basic concepts of occupational health and safety as it relates to emergency service organizations. Topics include risk evaluation and control procedures for fire stations, training sites, emergency vehicles and emergency situations involving fire, EMS, hazardous materials and technical rescue. This course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavioral change throughout emergency services.

Health Science

Introduction to Health Science

Provides foundational knowledge and skills necessary for careers in health care. This course covers basic health skills such as vital signs, hand washing, and Cardiopulmonary Resuscitation (CPR).

Human Nutrition and Health

This course introduces the basic principles of nutrition with an emphasis on personal nutrition. Students in this course will study health and fitness in the US today looking at personal health issues, managing stress, nutrition and health lifestyles.

Medical Terminology

This course introduces the student to the structure of medical terms with emphasis on using and combining the most common prefixes, roots and suffixes. Includes terms related to major body systems, oncology and psychiatry, as well as clinical laboratory and diagnostic procedures and imaging. Class structure provides accepted pronunciation of terms and relative use in the healthcare setting.

Certified Nurse Aide (CNA)

This course prepares the student to perform the fundamental skills of the nurse aide. Basic nursing skills, restorative services, personal care skills, and safety and emergency care issues are covered in theory and lab. For successful completion of the Certified Nursing Program students must complete 40 clinical hours in a patient care setting in addition to their class time. This course requires a mandatory parent, student, and instructor meeting prior to classes beginning.

Emergency Medical Responder

Provides the student with core knowledge and skills to function in the capacity of a first responder arriving at the scene of an emergency, providing supportive care until advanced emergency medical service help arrives.

Emergency Medical Technician (EMT)

CCHS is offering the opportunity to take an Emergency Medical Technician certification curriculum with Pueblo Community College-Fremont Campus to qualified and committed students. The EMS program prepares you for a career in the pre-hospital health care field as an EMT. Career opportunities include ambulance service, fire service, tactical EMS, critical care transport, and emergency department technician. Program Entrance Requirements: To enroll in all EMS programs, you must be at least 18 years of age, have all current immunizations, pass a background check and a drug screen and be able to meet the requirements of the Functional EMS Job Description. This course will be taught entirely on the PCC-Fremont campus and primarily in the evenings, so self-transportation is required. Prerequisite courses for program admission: Student must have a current Health Care Professional CPR card, successful completion of English 10, and qualifying placement scores. See your counselor to see if you qualify.

Welding

WEL 1002-Oxy-Acetylene Joining Process

Introduces safety inspections, minor repairs, operating parameters, oxyacetylene welding equipment, and oxyacetylene welding. Blueprint reading skills will be practiced in this course. The students will weld in the 1G (Flat) position only using E6010, E6013, and E7018 electrodes. The students will also learn how to weld open roots, a pipe welding technique.

WEL 1003-Basic Shielded Metal Arc Welding I

Covers performing safety inspections, making minor repairs, adjusting operating parameters, and operating SMAW equipment utilizing E6010 and E7018 electrodes. Layout procedures and practices will be used during this course. The students will weld in the 2G (Horizontal) and 3G (Vertical) positions. The students will also do open roots in the 2G and 3G positions. The students will also learn advanced weld symbols.

WEL 1004-Basic Shielded Metal Arc Welding II

Covers performing advanced safety operations and inspections, making major repairs, adjusting operating parameters, and operating SMAW equipment using the E6010 and E7018 electrodes. The students will weld in the 2G, 3G, and 4G (overhead) positions. The students will also weld open roots in the 2G, 3G, and 4G positions. Advanced blueprint reading and weld symbols will be utilized in this class. Upon completion of the WEL 1002, WEL 1003, and WEL 1004 classes the students will earn a certificate (Structural Welding Introduction).

WEL 1006-Blueprint Reading for Welders

Covers interpreting weld symbols on blueprints, identifying proper layout methods and tools, and proper joint design necessary for various welding processes.

WEL 2050-Layout and Fabrication

Develops welding and associated skills in the use of drawings and blueprints in planning. Includes designing and layout projects. The students will be assigned four (4) projects to complete.

Course Name	Course Type	HS Credit	Grade Level	Prerequisites	PCC Course Equivalent	PCC Credit
Automotive & Welding						
Survey of Automotive Technology		0.5	9	Safety glasses required; course fee applicable		
Survey of Welding		0.5	9	Safety glasses required; course fee applicable		
Aviation & Aerospace						
Introduction to Aviation and Aerospace		1	10, 11, 12	Course fee applicable		
Aviation Weather and Aerodynamics		1	10, 11, 12	Course fee applicable; Introduction to Aviation and Aerospace		
Construction Trades						
Woodworking Technology I		0.5	9, 10, 11, 12	Safety glasses required; course fee applicable		
Woodworking Technology II		0.5	9, 10, 11, 12	Safety glasses required; course fee applicable; Woodworking Technology I		
Carpentry Technology I	C	2	10, 11, 12	Safety glasses required; course fee applicable; Woodworking Technology II	CAR 1003, 1005, 1021, 1022, 1023, 1070	9
Carpentry Technology II	C	4	11, 12	Safety glasses required; course fee applicable; Carpentry Technology I	CAR 1003, 1005, 1021, 1022, 1023, 1070	9
Electrical Construction I		2	11, 12	Course fee applicable		
Engineering & Design						
Design Thinking: Introduction to Engineering Design	C	0.5	9	Co-scheduled with Principles of Manufacturing A	CAD 1101	3
Introduction to Drafting & Design Concepts	C	1	10	Course fee applicable; Recommended: Design Thinking: Introduction to Engineering Design	CAD 1102 & CAD 2455	6
(H) Principles of Engineering Design	H, C	1	10, 11	Course fee applicable; Introduction to Drafting & Design Concepts	AEC 1200 & 1231	7

Course Name	Course Type	HS Credit	Grade Level	Prerequisites	PCC Course Equivalent	PCC Credit
(H) Applied Engineering Design	H, C	1	11, 12	Course fee applicable; (H) Principles of Engineering Design	EGG 1040 & CAD 2456	6
(H) Engineering Projects	H, C	1	10, 11, 12	Introduction to Drafting & Design Concepts	EGT 1110	3
Manufacturing						
Principles of Manufacturing A		0.5	9, 10, 11, 12	Safety glasses required; course fee applicable; co-scheduled with Design Thinking: Introduction to Engineering Design		
Principles of Manufacturing B		0.5	9, 10, 11, 12	Safety glasses required; course fee applicable; Principles of Manufacturing A		
Introduction to Machining	C	1	10, 11, 12	Safety glasses required; course fee applicable; Principles of Manufacturing B	MAC 1005	4
CNC Manufacturing	C	1	10, 11, 12	Safety glasses required; course fee applicable; Introduction to Machining	MAC 1005	4

Automotive & Welding

Survey of Automotive Technology

This course will provide students with an introductory experience in automotive technology. Students will participate in hands-on activities (such as maintaining a vehicle) and learn about career opportunities within the automotive industry through guest speakers or upper-class interaction.

Survey of Welding

This course will provide students with an introductory experience in welding. Students will participate in hands-on activities (such as grinding metal) and learn about career opportunities within the welding industry through guest speakers or upper-class interaction.

Aviation & Aerospace

Introduction to Aviation and Aerospace

This course will provide an introduction to the aviation and aerospace industry and provide an entry level examination of Aviation career opportunities. Students will explore the concepts and principles of Aviation and delve into general practices of the aerospace field. Areas of study are aviation history, pilot training, airplane structure, engines, basic aerodynamics, flight environment, airports, aviation weather, and navigation. In addition, the course exposes the student to the history of manned space flight.

Aviation Weather and Aerodynamics

This course develops basic meteorological concepts that apply to aviation. Emphasis is on the use of national weather service reports and forecasts to evaluate flight conditions. The course also prepares students for the weather section of the FAA Private Pilot Knowledge examination. This course studies the basic principles of aerodynamics, including airfoil shapes and aerodynamic forces, airplane performance, stability and control, strength limitations, and the application of these to specific flight situations. Included in this course are flight performance with airflow in the sub-, trans-, and supersonic envelope.

Construction Trades

Woodworking Technology I

This course provides an overview of the planning, design, layout, and technical drawing interpretation for practical use in woodworking, cabinetmaking, and mill working. Different cabinet and furniture styles used, various wood products and materials, and proper tool selection may also be covered. Students will be introduced to the different construction processes in the cabinetmaking, furniture making, and millwork industries. Students will learn about measurement, layout, shop drawings and cutting lists. They will gain a basic understanding of the various kinds of materials used in the industry. Students will learn to use selected woodworking tools and machinery. Correct and safe use of tools and equipment is emphasized. The construction of several projects will develop student's woodworking skills. Introduces basic squaring procedures and the beginning of basic woodworking through the assembly of a small bookshelf. Students will be responsible for purchasing their own materials. The minimum woodshop fee is $40 in order to complete the minimum class project.

Woodworking Technology II

Expands the skills learned in Woodworking Technology I. Teaches advanced cabinetry and squaring procedures as well as basic lathe use through the assembly of a bedside table with a drawer. Students will be responsible for purchasing their own materials. Take home project costs usually range from $40-$150 depending upon the project the student chooses to complete.

Carpentry Technology I

Carpentry Technology prepares students for careers in residential and commercial carpentry. Students will be able to frame floors, walls, ceilings, roofs, and stairs while safely employing tools and interpreting construction drawings to complete projects. Emphasis is placed on demonstrating proper measurement and application of mathematical concepts. Students will gain an understanding of wood grades and construction methods and learn skills such as laying sills and joists; erecting sills and rafters; applying sheathing, siding, and shingles; setting door jambs; and hanging doors. Carpentry courses may teach skills for rough construction, finish work, or both. Students learn to read blueprints, draft, use tools and machines properly and safely, erect buildings from construction lumber, perform finish work inside of buildings, and do limited cabinet work. Carpentry courses may also include career exploration, good work habits, and employability skills. Teaches the basics of homebuilding as well as jobsite introduction and basic hand tool use.

Carpentry Technology II

This course of the Carpentry program will focus on stairs, residential and commercial drawings, heavy steel framing, thermal or moisture barriers, steel stud framing, drywall installation and finishing, suspended ceilings, window, door and cabinet installation. Throughout the course, students will interpret construction drawings to complete projects, implementing material estimating procedures and safe working practices. Standards in this course also expand on principles of the construction industry and delve deeper into business and project management strategies. Teaches advanced home building techniques as well as leadership roles by leading their own crew on the jobsite through the entire home building process.

Electrical Construction I

Electrical Construction covers approaches to commercial and industrial building wiring in conformance with the current National Electrical Code and local codes using electric metallic tubing and other raceways. This course also includes exploration of OSHA's electrical safety-related work practices and how they are applied to the work environment. Students will acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment, and the reading of electrical drawings, schematics, and specifications.

Engineering & Design

Design Thinking: Introduction to Engineering Design

Develop creative confidence and problem solving skills. During this course, you will be introduced to the CCHS CTE programs and use the "design thinking" process to identify problems, ideate solutions, develop ideas, and create prototypes. You will critically and creatively problem solve real-world problems by engaging "user-centered design" concepts. You will also be introduced to AutoCAD and create 2D vector drawings used to manufacture products. This course is co-scheduled with Principles of Manufacturing A.

Introduction to Drafting & Design Concepts
Recommended prerequisite: Design Thinking: Introduction to Engineering Design. During this course, you will focus on employable mechanical design skills. You will engage in “design thinking” and “user-centered design” to expand your problem-solving and critical thinking ability while you participate in product development, 3D CAD modeling, and engineering layout. Introduction to product development concepts as well as fundamentals of Computer Aided Design (CAD) skills will be major focal points. You will also earn an industry certification in Solidworks in this course.

(H) Principles of Engineering Design
Prerequisite: Introduction to Drafting & Design Concepts. During this course, you will focus on employable architectural and structural design skills. You will explore architectural building practices, keys to efficient home design, fundamentals of structural mechanics, and develop engineering drawings for construction. You will enhance your CAD skills as well as develop a deeper application of “design thinking” and “user-centered design” to identify needs, ideate solutions, develop your ideas, and create a prototype of your product that meet the needs of stakeholders.

(H) Applied Engineering Design
Prerequisite: (H) Principles of Engineering Design. During this course, you will focus on applying engineering and design principles learned in previous courses. You will apply “design thinking” principles to develop and prototype innovative, novel, technical solutions to various complex social/engineering problems. You will also complete a senior design project of your choice and earn a 2nd industry certification in Solidworks. At the conclusion of this course, you will be a certified apprentice drafter as granted by the American Design and Drafting Association.

(H) Engineering Projects
Prerequisite: Introduction to Drafting & Design Concepts. Students develop and apply “design thinking” and “user-centered” design skills by addressing a range of mechanical, civil, social, architectural, structural, and/or economic problems. Working primarily in teams, students research and design solutions for problems, build and test prototypes, and develop solutions to real-life problems. Students gain experience working with CAD software, hand tools, and power tools while creating functional projects.

Manufacturing

Principles of Manufacturing A
In Principles of Manufacturing A, students are introduced to knowledge and skills used in the proper application of principles of manufacturing. The study of manufacturing technology allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities. Students will gain an understanding of what employers require to gain and maintain employment in manufacturing careers. This class is co-scheduled with Introduction to Engineering & Design.

Principles of Manufacturing B
Expands the knowledge learned in Principles of Manufacturing A.

Introduction to Machining
Basic fundamentals in the operation of machine tools are studied, including measuring tools, benchmark and layout, and tool grinding. The student performs various machine operations using the engine lathe, milling machine, vertical drills, and surface grinders. Second semester of this course covers additional blueprint reading, advanced inspection, tool and cutter grinding, horizontal mill setup and operation, CAD/CAM 2D, GD & T, conventional lathe operations, and intermediate milling machine and engine lathe.

CNC Manufacturing
This course covers fundamentals of computer numerical control (CNC), basic programming, machine setup and operation of CNC machines. The course begins with manual programming practices so that the student will understand the programming code and its structure. G & M codes, control functions, the letter address system, and math issues related to CNC are included. Standard safety conventions will be introduced for safe programming practice. This course allows for the further development of CNC skills with hands-on instruction related to the CNC milling machines, and CNC turning centers. The lab work includes operation of CNC machines to demonstrate the programming skills.

Course Name	Course Type	HS Credit	Grade Level	Prerequisites	PCC Course Equivalent	PCC Credit
Foundations of Multimedia Production		1	9, 10, 11, 12			
Technical Theatre	C	1	9, 10, 11, 12	Foundations of Multimedia Production	THE 1016 & 1031	6
Audio/Video Production I	C	1	10, 11, 12	Foundations of Multimedia Production	RTV 1005	3
Broadcast Production	C	1	10, 11, 12	Foundations of Multimedia Production and Audio/Video Production I	JOU 1005	3
Filmmaking	C	1	10, 11, 12	Audio/Video Production I	MGD 1064	3

Foundations of Multimedia Production
This course will introduce students to a variety of programs and occupations in the arts, audio/video technology and production. It will include design and performance, collaboration, management, promotion, and safety for use in stage and film.

Technical Theatre
This course introduces methods of constructing and painting scenery and properties, operating stage lighting and sound equipment, and implementing costumes and multimedia. This course explores the proper procedures of serving on stage crews and tool safety. Students can also earn a "List B" English credit from a full semester of participation in either their junior or senior year.

Audio/Video Production I
An introduction to film history, video basics, editing, media and the production process. Students can earn a “List B” English credit from a full semester of participation in either their junior or senior year.

Broadcast Production
An introduction to video broadcasting, studio work, advertising, and video editing for broadcast. Students can earn a “List B” English credit from a full semester of participation in either their junior or senior year.

Filmmaking
Students learn how to use digital video editing software to create, edit, and save movies. Students create movies using digital video clips, digital photos and music. The basics of shooting good video, capturing video from a camera to a computer, creating movies for the web, storytelling, and creating a finished product will be covered. Students will have the opportunity to become certified in Adobe Premiere. Students can earn a “List B” English credit from a full semester of participation in either their junior or senior year.

Exceptional Student Services

Course Name	Course Type	HS Credit	Grade Level	Prerequisites	PCC Course Equivalent	PCC Credit
Language Arts 1		1	9, 10, 11, 12	IEP staffing and committee recommendation		
Language Arts 2A & 2B		1 or 2	9, 10, 11, 12	IEP staffing and committee recommendation		
Language Arts 3A & 3B		1 or 2	9, 10, 11, 12	IEP staffing and committee recommendation		
Language Arts 4A & 4B		1 or 2	9, 10, 11, 12	IEP staffing and committee recommendation		
Basic Skills Math I		2	9, 10, 11, 12	IEP staffing and committee recommendation		
Basic Skills Math II		1 or 2	9, 10, 11, 12	IEP staffing and committee recommendation		
CARE Math/Science		1	9, 10, 11, 12	IEP staffing and committee recommendation		
CARE Reading Writing/Social Studies		1	9, 10, 11, 12	IEP staffing and committee recommendation		
Character and Resource Education Lab (CARE)		1	9, 10, 11, 12	IEP staffing and committee recommendation		
Transition I		2	9, 10, 11, 12	IEP staffing and committee recommendation		
Transition II		2	9, 10, 11, 12	IEP staffing and committee recommendation		
Direct Instruction		1	9, 10, 11, 12	IEP staffing and committee recommendation		
Academic Improvement		0.25	9, 10, 11, 12	IEP staffing and committee recommendation		
Electronic Recycling		0.5	9, 10, 11, 12	IEP staffing and committee recommendation		
Greater Heights			Ages 18-21	Optional		

Language Arts I

This year-long course is designed for students who require a modified curriculum using a variety of strategies to improve their functional reading and writing skills in order to communicate their needs in a community setting. There is also a prescriptive, research-based curriculum that offers grade-level content which is highly modified to meet individual student needs.

Language Arts 2

This year-long course will allow students to explore the writing process and to build upon their reading and analysis skills. Students will write one to two paragraphs with a thesis statement, two or more details, and transitional phrases or wording. Students will learn to write drafts, use graphic organizers, and revise their writing. The writing aspect of this class includes the study of grammar and usage as well as vocabulary. The reading element of this course will integrate various close reading and reading comprehension skills, fluency, vocabulary, decoding skills, and written expression to help students improve their reading skills. Students will participate in novel studies to hone their reading and writing skills. Students will explore various research strategies in order to deliver presentations to their classmates.

Language Arts 3A & 3B

In this year-long course, students will develop the ability to craft insightful, well-structured essays that include a clear thesis statement, multiple supporting details, and transitions. The writing component of the class will also delve into essential aspects such as grammar, language usage, and vocabulary. Students will refine their close reading and comprehension skills, as well as continue to improve their fluency, vocabulary enrichment, and decoding techniques. Engaging in novel studies will provide a platform for practicing both their reading and writing proficiencies. Additionally, this course will equip students with research strategies that enable students to create engaging presentations for their peers, preparing them for future careers. The approach to writing and reading in this course aims to cultivate well-rounded and confident communicators who are equipped for success in their future endeavors.

Language Arts 4A & 4B

In this year-long course, students will focus on their research and writing skills. Students will develop the ability to craft insightful and well-structured research and argumentative essays, complete with clear thesis statements, supporting details, and smooth transitions. The writing component will also delve into vital elements such as grammar, language usage, and vocabulary. This comprehensive approach will equip students for both career and technical writing, as well as nurture their creativity in writing through personal narratives. Students will continue to refine their close reading and comprehension skills while exploring a rich variety of literary forms, from short stories and novels to poetry and plays. Beyond reading and writing, this course will also teach students how to compose and deliver informative and persuasive speeches. Students will delve into the works of Shakespeare and participate in classroom debates, where they'll learn to employ persuasive techniques like ethos, pathos, and logos. This class will equip students with research strategies that enable them to create engaging presentations, preparing them for future careers and academic pursuits.

Basic Skills Math I

This course is specifically designed for students who require a modified curriculum in the area of math. The course focuses on basic math calculations involving money, time, fractions, decimals, and measurement as daily life skills to solve real-world grade-level problems.

Basic Skills Math II

Basic Skills Math II is specifically designed for students who demonstrate below grade-level proficiency on their most recent evaluation. This year-long course focuses on real-world mathematical applications where students will work with whole numbers, fractions, decimals, percentages, integers, order of operations, geometric shapes, and variables, and setting up and solving one-step and two-step equations while working toward grade-level real-world mathematical problems preparing students for Foundations of Algebra. The curriculum may be modified as needed for individual students.

CARE Math/Science

This quarter-long course is designed to allow students to work on skills such as self-management and emotional regulation while working towards earning their math or science credits.

CARE Reading Writing/Social Studies

This quarter-long course is designed to allow students to work on skills such as self-management and emotional regulation while working towards earning their ELA and social studies credits.

Character and Resource Education Lab (CARE)

Students will explore and work on skills such as self-managing and self-direction within the educational environment. The course is tailored towards the student's individual social and academic needs.

Transition I

This year-long course is designed for students who require a modified curriculum to gain independent living skills in areas such as, but not limited to personal care, interpersonal skills, career education, independent living, personal finance, and community resources.

Transition II

This year-long course is designed for students who are on IEPs to help them develop independent living skills. Instruction includes topics such as obtaining and caring for a living space, exploring career options, practicing important job-related skills, personal finance, personal care, and community involvement.

Direct Instruction

This semester-long course is specifically designed to align with students' transitional IEPs. The course provides students with instruction that builds the necessary skills students require to become knowledgeable about the transition plan included in their IEP, as well as to obtain the necessary academic and work-based skills to become a self-directed, self-managing, and self-advocating adult. This class can fulfill academic credit requirements if approved by the student's IEP team, the IEP manager, and the administration.

Academic Improvement

This quarter-long course builds independent skills that focus on identifying and strengthening strategies to be successful with academic work, along with social skills, and problem-solving skills for real-life situations. This support provides students with the ability to successfully meet the challenges of work in high school and beyond.

Electronic Recycling

Students will learn entry-level job skills including customer service, workplace safety, hand tools, inventory, and production methods in an actual business setting. Soft work skills like teamwork, problem-solving, work ethic, dependability, and attitude are emphasized during the course. Additionally, students will learn basic electronics and computer hardware terminology and some basic computer repair techniques in the advanced sections.

Greater Heights

Greater Heights is the 18-21 Transition Program for Cañon City Schools. This program is a unique program designed to facilitate movement from school to post-school activities that are aligned with individual transition needs and goals. This program was added to our career pathways for students who have ongoing transition needs identified in their IEPs by the IEP team. Most students choosing this pathway have met the minimum graduation requirements. Students who have met the minimum graduation requirements may participate in a "social graduation" but cannot accept a high school diploma. FAPE (free and appropriate education) ends once a diploma has been received by the student.

Greater Heights is the 18-21 Transition Program for Cañon City Schools. This program is a unique program designed to facilitate movement from school to post-school activities that are aligned with individual transition needs and goals. This program was added to our career pathways for students who have ongoing transition needs identified in their IEPs by the IEP team. Most students choosing this pathway have met the minimum graduation requirements. Students who have met the minimum graduation requirements may participate in a “social graduation” but cannot accept a high school diploma. FAPE (free and appropriate education) ends once a diploma has been received by the student.

Greater Heights is in a professional office building located at 425 Main Street in Cañon City. We follow the Cañon City Schools Calendar. We pick up and drop off our young adults who live within our district. The young adults have the option of getting breakfast and lunch provided by Cañon City Schools free of charge. We arrive at our office at approximately 8:15 AM to begin our day. We have lunch from 12:00-1:00. The programming part of our day ends at 1:00 PM.

Greater Heights is a skill-based program, not age-based. Support gradually decreases as the individual progresses and gains confidence and independence. We partner with our community to build lifelong skills. Expectations serve as the compass that guides individuals toward growth and success. Parents are equal partners and collaboration with families is essential.

Services are provided in the following areas:

- Determine appropriate post-secondary education opportunities
- Provide work experience opportunities in competitive or supportive settings
- Promote independent living skills
- Build self-determination and leadership skills
- Build skills to safely navigate the community
- Assist in establishing linkages with community resources offering long-term residential and/or vocational support
- Understand post-secondary options
- Develop competence in computer and digital literacy skills
- Build self-advocacy skills

IN! Inclusive Higher Education Program Description - Inclusive higher education is an option for students with intellectual disabilities to attend college. Inclusive higher education is made for students who may need additional support to be successful in college. Students who attend a college offering inclusive higher education do not need to meet the regular admissions criteria for college; instead, they are evaluated on their unique abilities and desire to go to college. Students typically take three classes each semester. Two classes are chosen from the college's course catalog based on the student's area of interest. The third course is a specialized course designed to support students with ID. Students apply directly to the inclusive service office at the school of interest to them. There are no SAT/ACT, GPA, or prerequisite course

requirements. In general, students must have a documented intellectual disability, have completed high school (students may choose to participate in their school district 18-21/transition program before attending college), and have a desire to go to college.

Individuals with ID are fully included members of the student body. Students earn a Comprehensive Higher Education Certificate in their area of study and are graduating with more meaningful jobs, greater independence, increased community involvement, and holistic growth.

Colorado currently offers four inclusive higher education (IHE) programs:

IHE Programs	
Arapahoe Community College Elevate at ACC https://www.arapahoe.edu/elevate-acc	Regis University GLOBAL Inclusive Program https://www.regis.edu/global
University of Colorado at Colorado Springs Office of Inclusive Services https://www.uccs.edu/inclusiveservices	University of Northern Colorado Go On and Learn (GOAL) http://www.unco.edu/unc-goal

Designed for Students Who:

- Have a documented intellectual disability with need for additional support in academic career, social, and independent living skills
- Do not meet traditional college entrance criteria and/or would benefit from modifications to fully access college coursework
- Have a desire to go to college. Express interest in living and working as independently as possible after college
- Have completed K-12 education (students may participate in their district transition or 18-21 program before starting inclusive programs)
- Can participate in class and campus activities with support
- Wish to pursue a certificate credential

Course Name	Course Type	HS Credit	Grade Level	Prerequisites	PCC Course Equivalent	PCC Credit
Dramatic Arts						
Drama I		1	9, 10, 11, 12	Course fee applicable		
Drama II	C	1	9, 10, 11, 12	Drama I	THE 1005	3
Drama III	C	1	10, 11, 12	Drama II	THE 1005	3
Technical Theatre						
Technical Theatre	C	1	9, 10, 11, 12	Foundations of Multimedia Production	THE 1016 & 1031	6
Audio/Video Production I	C	1	10, 11, 12	Foundations of Multimedia Production	RTV 1005	3
Broadcast Production	C	1	10, 11, 12	Foundations of Multimedia Production and Audio/Video Production I	JOU 1005	3
Filmmaking	C	1	10, 11, 12	Audio/Video Production I	MGD 1064	3

Dramatic Arts

Drama I
An introduction to all aspects of the theatre world. Students will act, design, learn theatre history and apply makeup.

Drama II
An advanced study in theater. Students will research theater history, participate in advanced actor movement, direct, write, and produce plays.

Drama III
This course is focused on advanced acting and character development, through acting exercises and historical play studies. It also covers playwriting, directing, and production of plays for an evening performance. Students can also earn a "List B" English credit from a full semester of participation in either their junior or senior year.

Technical Theatre

Technical Theatre
This course introduces methods of constructing and painting scenery and properties, operating stage lighting and sound equipment, and implementing costumes and multimedia. This course explores the proper procedures of serving on stage crews and tool safety. Students can also earn a "List B" English credit from a full semester of participation in either their junior or senior year.

Audio/Video Production I
An introduction to film history, video basics, editing, media and the production process. Students can earn a “List B” English credit from a full semester of participation in either their junior or senior year.

Broadcast Production

An introduction to video broadcasting, studio work, advertising, and video editing for broadcast. Students can earn a “List B” English credit from a full semester of participation in either their junior or senior year.

Filmmaking

Students learn how to use digital video editing software to create, edit, and save movies. Students create movies using digital video clips, digital photos and music. The basics of shooting good video, capturing video from a camera to a computer, creating movies for the web, storytelling, and creating a finished product will be covered. Students will have the opportunity to become certified in Adobe Premiere.

Course Name	Course Type	HS Credit	Grade Level	Prerequisites	PCC Course Equivalent	PCC Credit
Instrumental Music						
Marching Band		1	9, 10, 11, 12	Course fee applicable; past participation in middle school band program or with permission of the instructor; participation in semester two Symphonic Band required		
Symphonic Band		1	9, 10, 11, 12	Course fee applicable; participation in semester one Marching Band required; audition and selection by director		
Percussion		1	9, 10, 11, 12	Instructor approval only		
Jazz Band		1	9, 10, 11, 12	Instructor approval only		
Music Theory						
Music Appreciation		1	9, 10, 11, 12			
Music Theory A		0.5	10, 11, 12			
Music Theory B		0.5	10, 11, 12	Music Theory A		
Music Technology and Production		1	10, 11, 12			
Vocal Music						
Concert Choir		1	9, 10, 11, 12	Course fee applicable		
Tiger Ladies		2	10, 11, 12	Audition and selection by director; course fee applicable		
Encore!		2	10, 11, 12	Audition and selection by director; course fee applicable		
Vocal Music Performance		0.5	10, 11, 12	Course fee applicable; must be concurrently enrolled or have passed a vocal performance ensemble (Tiger Ladies, Encore!)		

Instrumental Music

Marching Band

The Marching Band is a competitive musical ensemble that performs at all home football games, several marching contests, pep rallies, assemblies, and parades. This course is required of all students who wish to participate in other band programs. Exceptions only to be made after conference with instructor and instructor approval. There are performance dress requirements/costs and activity fees.

Symphonic Band
The Symphonic Band and Wind Ensemble are performing ensembles that participate in formal concerts and festivals for 2nd through 4th quarters. This course is required of all students who wish to participate in other band programs. There are performance dress requirements/costs and activity fees. Participation in Marching Band is required; exceptions only to be made after conference with instructor and instructor approval.

Percussion
Percussion class is designated for CCHS Symphonic Band/Wind Ensemble percussionists only. Percussionists will work on concert band literature, percussion ensemble literature, and begin work on the upcoming school year's competitive field show music. All percussionists are required to perform with Symphonic Band and/or Wind Ensemble throughout the concert season.

Jazz Band
This course is an in-depth study of advanced instrumental techniques as they relate to jazz literature. The Jazz Band will participate in local concerts, festivals, and community activities. Students are required to perform with Symphonic Band and/or Wind Ensemble throughout the concert season; exceptions only to be made after conference with instructor and instructor approval.

Music Theory

Music Appreciation
Covers the basic materials of music, musical forms, media, and genres. This course emphasizes the development of tools for intelligent listening and understanding of music. Students will not perform in a formal concert, but may be required to attend designated concerts as part of the course.

Music Theory Part A
Students will learn skills and gain knowledge that are foundational to the understanding of music, including notation, pitch, rhythm, meter, and key.

Music Theory Part B
Students will develop a deeper understanding of more complex musical elements, including chord theory, transposition, harmonic progression and composition.

Music Technology and Production
Students will learn the technical use of live sound equipment; music recording and production equipment; digital audio recording and mixing software; and compositional software. In addition to technical skills, basic music theory, composition, and critical evaluation skills will be taught.

Vocal Music

Concert Choir
Concert Choir is a semester long introductory vocal performance class where students are introduced to basic music theory and a variety of styles and genres of music and performance through singing. Additional performances are also required as part of the course grade. There are performance dress requirements.

Tiger Ladies
Tiger Ladies is an advanced auditioned women's choir with an emphasis on the mastery of a variety of styles and genres of music and performance. Basic and intermediate music theory will be included in the curriculum. Students who are selected to be in Tiger Ladies will be enrolled for the entire school year in which they make the commitment. Additional performances and outside obligations are also required as part of the course grade. There are performance dress requirements.

Encore!

Encore is an auditioned mixed chorus for the most advanced vocal music students at CCHS and emphasizes the mastery of a variety of styles and genres of music and performance. Basic, intermediate, and advanced music theory will be included in the curriculum. Students who are selected to be in Encore! will be enrolled for the entire school year in which they make the commitment. Additional performances and outside obligations are also required as part of the course grade. There are performance dress requirements. CCHS Madrigals Singers are chosen each year from members of Encore providing an additional performance opportunity. Academic Honors Credit for Music is available to senior Encore members in good standing who meet credit requirements and pass both a Music Theory Exam and a Performance Jury. See instructor for more information.

Vocal Music Performance

This course is designed to help students prepare for auditions, contests, honors juries, and/or performances beyond the classroom. Students will prepare/master vocal solo/ensemble performances in various styles including classical art songs and music theater. Students will learn/practice proper, and stylistically appropriate, vocal techniques. In addition, students will be coached on acting and presentational skills. Individual and group performances are required for this course. (Must be concurrently enrolled or have passed a vocal performance ensemble (Tiger Ladies, Encore!) or per instructor approval)

Course Name	Course Type	HS Credit	Grade Level	Prerequisites	PCC Course Equivalent	PCC Credit
Arabic						
Arabic I	C	1	9, 10, 11, 12		TBD	
Arabic II	C	1	9, 10, 11, 12	Arabic I	TBD	
French						
French I		1	9, 10, 11, 12			
French II		1	9, 10, 11, 12	French I		
Spanish						
Spanish I		1	9, 10, 11, 12			
Spanish II		1	9, 10, 11, 12	Spanish I		
(H) Spanish III	H	1	10, 11, 12	Spanish II or teacher recommendation		
(H) Spanish IV	H	1	11, 12	Spanish III or teacher recommendation; new students must be assessed by Spanish teacher to be placed in Spanish IV		

Arabic

Arabic I
Students will develop a basic understanding of Arabic. Students will have the opportunity to develop beginner skills in speaking, reading, writing, and listening. Knowledge will be enhanced through the introduction of culture and geography. Students will spend a significant time in Arabic I learning the alphabet, Arabic orthography, and pronunciation. Active participation is required.

Arabic II
Intermediate students will have the opportunity to use and reinforce fundamental skills learned in Arabic I in addition to studying basic grammar, verb forms, sentence structure, and acquisition of new vocabulary. Increased communication will be developed through speaking, reading, writing, and listening. Students are challenged to interact and communicate in Arabic. Cultural studies will enhance learning opportunities.

French

French I
Students will develop a basic understanding of French. Students will have the opportunity to develop skills in speaking, reading, writing, and listening. Knowledge will be enhanced through the study of culture, history, and geography. Basic sentence structure is introduced. Active participation is required.

French II
Intermediate students will have the opportunity to use and reinforce fundamental skills. Increased communication will be developed through speaking, reading, writing, and listening. Students are challenged to interact and communicate in French. Cultural studies will enhance learning opportunities.

Spanish

Spanish I

Students will develop a basic understanding of Spanish. Students will have the opportunity to develop skills in speaking, reading, writing and listening. Knowledge will be enhanced through the study of culture, history and geography. Basic sentence structure is introduced. Active participation is required.

Spanish II

Intermediate students will have the opportunity to use and reinforce fundamental skills. Increased communication will be developed through speaking, reading, writing and listening. Students are challenged to interact and communicate in Spanish. Cultural studies will enhance learning opportunities.

(H) Spanish III

Level three students will continue to have the opportunity to use and reinforce fundamental and more advanced language skills. Increased and higher level communication will be developed through speaking, reading, writing, and listening. New grammatical structures are presented and previous grammar is reviewed. Cultural studies will enhance learning opportunities.

(H) Spanish IV

Emphasis is placed on the use of everyday, practical conversational skills, acquisition of new vocabulary, and review of grammatical structures. Written and oral analysis of Spanish and Latin American literature is included in the course.

Course Name	Course Type	HS Credit	Grade Level	Prerequisites	PCC Course Equivalent	PCC Credit
Printmaking	C	1	9, 10, 11, 12	Course fee applicable	ART 1501	3
Drawing & Painting		1	9, 10, 11, 12	Course fee applicable		
Drawing II	C	1	9, 10, 11, 12	Course fee applicable; Drawing & Painting	ART 1201	3
Painting II	C	1	9, 10, 11, 12	Course fee applicable; Drawing & Painting	ART 1301	3
(H) Advanced Studio Art	H, C	1	10, 11, 12	Course fee applicable; Drawing & Painting, Drawing II, and Painting II	ART 1110	3
Ceramics I		0.5	9, 10, 11, 12	Course fee applicable		
Ceramics II		0.5	9, 10, 11, 12	Course fee applicable; Ceramics I		
Ceramics I & II	C	1	9, 10, 11, 12	Course fee applicable	ART 1703	3
(H) Advanced Ceramics	H, C	1	10, 11, 12	Course fee applicable; Ceramics I and Ceramics II	ART 1704	3
AP Art and Design	AP, C	2	11, 12	Course fee applicable; complete four other art classes	ART 1002 & 1201	6

NOTES:

- For particular courses, students will be required to furnish their own supplies (i.e. clay, sketchbooks, canvases, etc.) based on the projects they choose. Course fees vary depending on the class.

Concurrent Enrollment for Ceramics requires students to take I and then II in one semester. For example, Ceramics I (quarter 1) and Ceramics II (quarter 2).

Printmaking

Students are introduced to the production of multiple images from a single design using monoprint, collagraph, and relief printing processes. An emphasis on design thinking will encompass this uniquely exciting, yet ancient form of art-making.

Drawing & Painting

Students will gain an understanding of the skills and concepts used in the two-dimensional arts through the practice of drawing AND painting. Students will focus on using drawing concepts and painting techniques through a variety of mediums, gaining more control over design principles and personal voice. Participants will also learn about artists, cultures, and time periods.

Drawing II

Investigates the various approaches and media that students need to develop drawing skills and visual perception. Participants will also explore expressive drawing techniques with an emphasis on formal composition, black and white, and color media and content or thematic development.

Painting II

Participants continue to explore techniques, materials, and concepts used in painting processes in a variety of painting mediums to depict form and space on a two-dimensional surface with emphasis on composition and content development. Large scale paintings requiring group work and off-campus painting projects will be a highlight of this course.

(H) Advanced Studio Art

A studio class for sophomores, juniors, and seniors with a desire to improve and increase artistic skills by working with a variety of media while studying traditional, modern, and contemporary art. Students will increase their understanding of art concerns and develop their own unique artwork.

Ceramics I

Students explore ceramic work by learning traditional hand-building methods. Ceramic work is connected to typical functional ware and students design the work they create with personal interests in mind.

Ceramics II

Using modern techniques in hand-built ceramic art, students create pieces that emphasize personal vision of concepts and themes. Various contemporary ceramic artists will also be explored in order to gain a deeper understanding of current work in the field of ceramics.

Ceramic I & II

College credit is only available when taken in the same semester consecutively. Students explore ceramic work by learning traditional hand-building methods. Ceramic work is connected to typical functional ware and students design the work they create with personal interests in mind. Using modern techniques in hand-built ceramic art, students create pieces that emphasize personal vision of concepts and themes. Various contemporary ceramic artists will also be explored in order to gain a deeper understanding of current work in the field of ceramics.

(H) Advanced Ceramics

Utilizing hand-building and wheel-throwing techniques, students will develop ceramic work that pushes their personal comfort zones. Students explore concepts of their interest by developing a body of work that pushes boundaries in clay-making, often choosing to make large-scale and/or complicated work.

AP Art and Design

Students produce a college-level portfolio based on an artistic investigation of the students' choosing. Practice, experimentation, and revision are overarching processes leading to quality work that is evaluated by College Board in May (all portfolio types are offered - AP Drawing, AP 2D Art & Design, and AP 3D Art & Design).

Physical Health & Education

Course Name	Course Type	HS Credit	Grade Level	Prerequisites	PCC Course Equivalent	PCC Credit
Choices		0.5	9	Required Freshman course		
Body Works		0.5	9, 10, 11, 12	Course fee applicable		
Foundations of Crossfit		0.5	9, 10, 11, 12			
Weightlifting		0.5	9, 10, 11, 12			
Introduction to Sports for Life		0.5	9, 10, 11, 12	Course fee applicable		
Advanced Sports for Life		0.5	9, 10, 11, 12	Course fee applicable		

Choices
This required graduation course includes classroom lessons, guest speakers, projects and activities/discussions that encompass the importance of mental, social-emotional and physical health. Focus will be on the effects of media on health, managing stress, relationships, decision-making, substance abuse, and mindfulness.

Body Works
This course will introduce students to cardiovascular workouts such as aerobics, walking/jogging, circuit training, and other aerobic activities. Topics covered in this course include healthy eating, health risk factors, components of anaerobic vs. aerobic workouts, strength training, self-defense, relaxation and stress reduction. There will be a fee for a required activity that is in our community. More information will be given in class.

Foundations of Crossfit
This course is designed to improve student fitness by utilizing the CrossFit fitness model. The course will focus on creating a positive and infectious environment where students will be motivated to improve their individual fitness levels.

Weightlifting
This course is designed for those interested in lifting weights and improving their athletic performance. A variety of lifts and bodyweight movements will be incorporated into a daily workout that if performed to expectations, will improve athletic performance. All students who are involved in CCHS sports should take this class at least twice if possible.

Sports for Life
This course will consist of sports and activities that are designed to teach and promote teamwork, sportsmanship, and fair play while participating in a variety of activities that promote a healthy lifestyle. This is an entry-level class. There will be a fee for a required Bowling unit. More information will be given in class.

Advanced Sports for Life
This class is designed for the students who enjoy competing at a high level with like-minded students in sports and athletic activities. Teamwork, sportsmanship, and fair play are always expected. Competitive play will be encouraged and expected. There will be a fee for a required Bowling unit. More information will be given in class.

Course Name	Course Type	HS Credit	Grade Level	Prerequisites	PCC Course Equivalent	PCC Credit
Capstone						
Capstone	C	0.5	12		AAA 1009	3
TigerTECH 10		1	10	Enrolled in the PTECH program		
TigerTECH 11		1	11	Enrolled in the PTECH program		
TigerTECH 12	C	1	12	Enrolled in the PTECH program	AAA 1009	3
Leadership						
Link Crew Leadership		1	11, 12	Interview and selection process		
Invent2Prevent	C	1	10, 11, 12		AAA 1009	3
Friend-to-Friend		0.5	10, 11, 12	Maintain passing grades in all other courses; meet with course instructor on a weekly basis; strong desire to work with high needs students to make an impact in their lives; demonstrates appropriate behaviors in all academic settings; at least one recommendation from one adult working in the building		
Miscellaneous						
Student Assistant		0.25	10, 11, 12	Teacher recommendation		
Credit Recovery		Varies	9, 10, 11, 12	Failed a course; $55 fee per quarter/course; grade will not appear on student's transcript until the fee is paid		
PCC Independent Block	C	Varies	11, 12	Taking an online or on-campus PCC course	Varies	Varies
Independent Block		0	12	Counselor approval; must be on-track for graduation		

Course Name	Course Type	HS Credit	Grade Level	Prerequisites	PCC Course Equivalent	PCC Credit
Work Based Learning						
PaICE (Professional and Internship Community Experience) – Work Study		1	11, 12			
PaICE (Professional and Internship Community Experience) – Internship		1	11, 12			

Capstone

Capstone
Students will prepare for and schedule their Capstone final evaluation and complete the remaining items in their Capstone Graduation Portfolio. The grade in this class is directly related to the outcome of the Capstone final evaluation. It will either be a “Fail,” “Pass,” or “Pass with Honors credit.”

TigerTECH 10
This course is for PTECH students only and is required for all PTECH students. Students will begin their Capstone project while honing Cañon City School's seven Traits and Skills. Students will also gain valuable knowledge and skills to help them learn to be efficient college students to ensure success in the PTECH program.

TigerTECH 11
This course is for PTECH students only. Students will continue their Capstone project while honing Cañon City School's seven Traits and Skills. Students will also gain valuable knowledge and skills to help them learn to be efficient college students to ensure success in the PTECH program.

TigerTECH 12
This course is for PTECH students only and is required for all PTECH students (students who complete their Capstone early and are in good academic standing, can opt-out at the PTECH Coordinator's discretion). Students will complete their Capstone project while honing Cañon City School's seven Traits and Skills. Students will also gain valuable knowledge and skills to help them learn to be efficient college students to ensure success in the PTECH program. The grade in this class is directly related to the outcome of the Capstone final evaluation.

Leadership

Link Crew Leadership
This course is intended to tap the potential and maximize the benefits of the selected CCHS Link Crew leaders. These benefits include increased sense of community, improved school climate, and successful transition of new students into The Pride culture. This class allows Link Crew leaders the time and opportunity to build and foster relationships with freshman and new students as well as opportunities to plan and implement all activities of The Pride.

Invent2Prevent
The Invent2Prevent program provides an opportunity for you and your teammates to create and activate your own products, tools, or initiatives to prevent targeted violence. In addition to becoming involved in reducing targeted violence and hate, the Invent2Prevent program builds a community of your peers from all over the United States who are interested in this important topic. Invent2Prevent empowers you to prevent targeted violence and hate through the development of dynamic, integrated projects. (Center for Prevention Programs and Partnerships, 2021).

Friend-to-Friend
This course is designed as an elective 0.5 credit per quarter which is earned by enrolled students supporting special needs students in a class in which both are enrolled. The Friend Support student will be a "help-meet" to the special needs student to which they are assigned. The Friend Support student will meet weekly with the course instructor to articulate concerns and communicate how the Friend-to-Friend relationship is progressing. During these meetings, the Friend Support student will learn support techniques, understanding of individual differences, and leadership skills.

Miscellaneous

Student Assistant
Assistants perform a variety of tasks as assigned by staff. It will be the student's obligation to seek out a staff member in need of assistance and supply the guidance office with a signed form from that staff member. Student assistants may be employed in the following areas: library, individual teachers, guidance office, main office, nurse's office, custodial, etc. Students may be an assistant only one block per day. This course is graded pass/fail and will not count towards GPA, total grade points, or class rank. The student will receive 0.25 credit for each quarter. Students not maintaining enough credits to graduate on time may not sign-up for a student assistant position without the permission of the principal.

Credit Recovery
After failing a course, a student no longer has the option of retaking that course in the classroom. The student may take the course either during summer school or during designated credit recovery periods through our Tigers Online Program. There is a fee for each credit recovery course taken.

PCC Independent Block
This is an independent study block for students enrolled in an in-person or online PCC course that is offered through PCC and is not on the CCHS campus.

Independent Block
No credit offered for this class. Students must either be off-campus, in the library, or in the commons area.

Work Based Learning

PaICE (Professional and Internship Community Experience) – Work Study
School-to-Career Program will provide an opportunity for every high school student to gain first hand experience in his/her career choice through a wide variety of partnerships with businesses, professionals and agencies in the Fremont County area. As a Junior or Senior, students may participate in either the shadow/internship or the paid cooperative work experience within PaICE. Students participating in the internship program have the opportunity to earn school credit and a scholarship while work study students earn school credit and are directly paid by their employers.

PaICE (Professional and Internship Community Experience) – Internship
School-to-Career Program will provide an opportunity for every high school student to gain first hand experience in his/her career choice through a wide variety of partnerships with businesses, professionals and agencies in the Fremont County area. As a Junior or Senior, students may participate in either the shadow/internship or the paid cooperative work experience within PaICE. Students participating in the internship program have the opportunity to earn school credit and a scholarship while work study students earn school credit and are directly paid by their employers.

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Graphic Designer: Carolina Nieto

Compiler & Editor: Madison Tortessi

Student Intern: Luke Jantz

CCHS Staff