CHEROKEE TRAIL HIGH SCHOOL

COURSE CATALOG 2026 - 2027

FORGE YOUR OWN TRAIL

Cherokee Trail Course Catalog Introduction

WELCOME to Cherokee Trail High School! The Cherokee Trail High School Course Catalog contains important information about the courses to be offered during the upcoming school year. This information will be helpful as you select courses. Careful planning is essential for a successful and rewarding experience at Cherokee Trail High School. Parents, teachers, counselors, and administrators should all be involved in assisting you to develop a comprehensive plan allowing for variety, specific interests, and special preparation for the future. It is important to emphasize that your counselor is available to assist you in your course selections, but the final responsibility for course selections rests with the student and the parents. We urge you to play an active role in this important task. We are here to help you.

Each year, Cherokee Trail High School creates a new master schedule based on data derived from the student course request process. These course requests represent decisions made collaboratively with the student, the teachers, the counselor, and parents. Based on these requests, courses are scheduled, faculty members are employed, textbooks are purchased, and classrooms are allocated. Due to this, only schedule errors, not schedule changes, will be considered. See the Schedule Change Policy page for more details.

For the most up-to-date Course Catalog, please go to our website at:

https://www.cherrycreekschools.org/cherokeetrail

Notification of Nondiscrimination: Cherry Creek School District No. 5 (“District”) does not discriminate on the basis of race, color, national origin, sex, age, sexual orientation, or disability in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of their operations. Cherokee Trail High School does not discriminate in enrollment or access to any of its available programs. The lack of English language skills shall not be a barrier to admission or participation in District activities and programs. The district also does not discriminate in its hiring or employment practices.

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Cherokee Trail High School
25901 East Arapahoe Road
Aurora, CO 80016
(720) 886-1900

Updated 01.30.2026

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CHEROKEE TRAIL

HIGH SCHOOL

25901 East Arapahoe Road, Aurora, CO 80016
College & Career Center: 720-886-1981 CEEB Code: 060-086

Principal: Jean Griego-Incitti
Cherokee Trail Administration
Cherokee Trail Website

Counseling Coordinator: Lindsay Gillespie
College & Career Coordinator: Nick Jasurda
College & Career Center Website

Counseling Team

Sasha Bowden Shondra Carpenter Sarah Crook Sameen DeBard Brooke Gabrielli
Lindsay Gillespie Nick Jasurda Susan Krueger Jesse Martinez Kelsey Riley Kedar Witte

SCHOOL DATA & OVERVIEW

2024-2025 School Year Data
94% of IB students earned the IB Diploma
193 students took **602** IB exams
1,111 students took **1,995** AP exams
84% of students scored a **3+** on AP exams
829 students took at least one concurrent enrollment course
AP Honor Roll School & AP Access Award

~3,156 total students
~824 students in the class of **2026**
97% graduation rate (class of 2025)

2025-2026 Demographics
Central/Native American: >1%
Asian: 10%
Black/African American: 11%
Latino/a: 19%
White: 51%
Hawaiian/Pacific Islander: >1%
Multiple Races: 8%

CLASS OF 2025 POSTSECONDARY DATA

4-Year College/University: 67%
2-Year/Community College: 9%
Career & Technical Education: 6%
Military (Enlistment): 3%
Workforce: 13%
Gap Year: 2%

CLASS OF 2025 ACADEMIC DATA

6 Semesters
Highest Weighted: 4.77
Weighted Median Range: 3.4
Mean Weighted: 3.27
Highest Unweighted: 4.0
Unweighted Median Range: 3.19
Mean Unweighted: 3.06

Cherokee Trail
Mean ERW: 545
Mean Math: 526
Mean Comp: 1071
Cherry Creek School District
Mean ERW: 534
Mean Math: 512
Mean Comp: 1046

Advanced Placement
28 AP Classes Offered
International Baccalaureate
29 IB Classes Offered
Application required for program
Pre-IB (9 & 10); IB (11 & 12)
Concurrent Enrollment
18 CE/DE Classes Offered
Students must qualify for credit
Honors/Pre-AP/Pre-IB
9 Classes Offered
Honors (9-12); Pre-AP & Pre-IB (9-10)
College Preparatory
Standard level, unweighted classes
Career & Technical Education
CTE courses are offered at CTHS and the Cherry Creek Innovation Campus (CCIC)

- Core course titles from CCIC will begin with "CP." CTHS and CCIC CTE course lists are available on pages 18 & 19 of the CTHS Course Catalog. CCIC course descriptions begin on page 132.

Grading Scale: A=90-100% B=80-89% C=70-79% D=60-69% F=59%
Marking System:
Unweighted GPA: A=4.0 B=3.0 C=2.0 D=1.0 F=0.0
Weighted GPA: A=5.0 B=4.0 C=3.0 D=1.0 F=0.0
AP, Pre-AP, Honors, IB, and Pre-IB classes receive the same weighted grades.
Graduation Requirements:
Minimum 22 Credits Required: 1 credit=1 year
English: 4 credits, Math: 3 credits, Science: 3 credits, Social Studies: 3 credits, Practical/Fine Arts/CTE: 1.5 credit, Health & Wellness: 2.0 credits, Elective: 5.5 credits
Graduation Competencies: All students must demonstrate competency in Reading/Writing/Communication and Mathematics

CHEROKEE TRAIL

ADVANCED COURSES

Complete course catalog is available under "Academics" at www.cherrycreekschools.org/cherokeetrail

Honors/Pre-AP/Pre-IB Courses

English: Pre-AP English 9 & 10, Pre-IB English 9 & 10, English Honors
Social Studies: Pre-AP World History & Geography
Math: Geometry/Precalculus Honors, Algebra 2/Precalculus Honors,
Science: Biology Honors, Chemistry Honors
World Languages: Spanish 4 Honors,

Advanced Placement (AP)

AP Capstone: AP Seminar, AP Research
English: Language & Composition, Literature & Composition
Social Studies: Human Geography, Government, US History, Macroeconomics, Psychology, World History, African American Studies
Math: Statistics, Precalculus, Calculus AB, Calculus BC
Science: Environmental Science, Biology, Chemistry, Physics 1, Physics C
World Languages: Spanish Language and Culture
Engineering Technologies and Computer Science: Computer Science Principles, Computer Science A
Performing/Visual Arts: Music Theory, Drawing, 2D Art & Design Graphic Design, 3D Art & Design
Communication Arts: 2-D Art & Design Photography

Concurrent Enrollment (CE)

English: English Composition I, English Composition II, Intro to Literature I, Year Long English Composition I
Social Studies: US History to Reconstruction/US History Since Civil War
Math: College Algebra Semester, College Algebra w/ Algebra Lab, College Trigonometry, Intro to Statistics w/ Quantitative Lab
Science: Phys Geo: Climate & Ecology w/ Lab, Intro to Human Disease, Science of Biology w/ Lab
Business: Sports & Entertainment Marketing
Engineering Technologies and Computer Science: Computer Aided Design (Dual Enrollment), Engineering Design CTE
***Career & Technical Education (CTE):** Intro to Health Care, Comprehensive Medical Terminology

*In addition to CTE courses available at Cherokee Trail, students may take courses at the Cherry Creek Innovation Campus (CCIC). These courses will appear on CTHS transcripts. View the CCIC school profile at www.cherrycreekschools.org/ccic.

International Baccalaureate (IB)

English: English HL 1 & 2
Social Studies: History of the Americas HL, History-The 20th Century HL, TOK 11 & 12
Math: Math Applications SL 1 & 2, Math Analysis SL 1 & 2, Math Analysis HL 1 & 2
Science: Sports Exercise and Health Sciences SL, Physics HL/SL 1 & 2, Biology HL/SL 1 & 2
World Languages: French SL 4 & 5, Spanish SL 4 & 5
Business: Business Management SL, Business Management HL 1 & 2
Engineering Technologies and Computer Science: Design Technology HL/SL 1 & 2
Performing/Visual Arts: Visual Arts SL 1, Visual Arts HL 1 & 2

Our actions will ignite the genius and nurture the goodness within us all.
~CTHS Mission Statement

Course Catalog Terminology

AP (ADVANCED PLACEMENT PROGRAM): The Advanced Placement program is a national academic program sponsored by the College Board. Students are required to take the national exam if they wish to have the Advanced Placement designation on their transcript and be considered for Advanced Placement credit at the college level. All AP courses have weighted grades (see definition below).

ALTERNATING BLOCK SCHEDULE: Approximately 93- minute classes meet on alternating days for the entire year. Each day is designated as “A” or “B”, and each day has periods 1 – 4.

BACCALAUREATE: In the European sense, a “baccalaureate” is a diploma supporting the transition from school to university by means of examinations and/or evidence of successful performance. At Cherokee Trail High School, there are distinct baccalaureate programs (academic pathways) offered that prepare students for college, university, and career opportunities. Junior and senior students are expected to participate in one of the three programs.

COREQUISITE: A corequisite is a course students must be concurrently enrolled in to qualify for a specific course.

CREDIT (HIGH SCHOOL UNIT OF CREDIT): One unit of credit equals two completed semesters of high school work. One semester of completed high school work earns 0.5 credits. All students must earn a minimum of 22 credits (per Board policy) to participate in graduation and receive their diplomas.

CUMULATIVE GPA: A student’s earned Grade Point Average for the total time they are in high school, concluding at the eighth semester or end of their senior year.

GPA: The student’s earned Grade Point Average for one semester or one year.

GRADES - UNWEIGHTED: Courses award the student 4 pointsforanA,3pointsforaB,2pointsforaC, 1 point for a D, and 0 points for an F. GPA range is 4.0-0.

GRADES - WEIGHTED: Some courses award 5 points foranA,4pointsforaB,3pointsforaC,1pointfora D and 0 points for an F. For this year, the following courses have weighted grades: all AP, Honors, IB classes (excluding World Language levels 1-3), Pre-AP, Pre-IB, World Languages levels 4 and 5, and postsecondary courses which are either a continuation of a weighted high school course or a course which exceeds the high school weighted course. GPA range is 5.0-0.

IB INTERNATIONAL BACCALAUREATE PROGRAM: The International Baccalaureate (IB) Program is a comprehensive and rigorous two-year curriculum for junior and senior students, which leads to international exams in six subjects and the International Baccalaureate Diploma. The aim of the IB Program is to develop inquiring, knowledgeable, and caring young people who will help to create a better and more peaceful world through intercultural understanding and respect

NCAA APPROVED: All student-athletes considering playing at the collegiate level need to be aware of the NCAA rules governing approved courses.

PRE-IB/PIB (PRE-INTERNATIONAL BACCALAUREATE): Prep classes to prepare students accepted into the IB program for their junior and senior year coursework.

PREREQUISITE: A prerequisite is what must be completed before enrolling in a course. This may include a prior course, teacher approval, or placement test.

SATISFACTORY/UNSATISFACTORY GRADING: Students will receive a satisfactory or unsatisfactory grade based on the requirements of the course. Students will receive credit towards graduation, but the credit will not be calculated into the GPA.

Graduation Requirements

In pursuit of its mission to ensure that all students reach their learning potential, the Board of Education recognizes that high school shall be generally considered a four-year course of study. Therefore, graduation requirements are based on units of credit earned in grades nine through twelve. A unit of credit is defined as the amount of credit given for the successful completion of a course that meets the required hours of instruction as defined in state law.

To prepare students for a successful postsecondary education and work experience, the Board of Education strongly encourages students to participate in a rigorous academic core curriculum consisting of four years of English, four years of Mathematics, four years of Science, and three years of Social Studies.

Minimum Units of Credit Needed to Graduate

A minimum of 22 units of credit shall be necessary for high school graduation. In addition to the 16.5 required units, all other credits shall be considered as electives and may be selected from the entire curricular offering.

Subject	Required Credits	Important Notes
English	4.0	
Mathematics	3.0	
Science	3.0	
Social Studies	3.0	Including 1 credit in US History and 0.5 credit in Civics/Government
Wellness/Fitness	2.0	Including 0.5 credit in Health.
Fine Arts/Practical Arts/CTE	1.5	Business, Career and Technical Education, CMAD, Performing Arts
Minimum Total Required Credits	16.5	
Minimum Total of Elective Credits	5.5	
Minimum Total Credits	**22.0**	

Academic Waivers

- **4 Core Waiver:** Academic core subjects include English, Math, Science, Social Studies, and World Languages. All students will be expected to enroll in a minimum of four academic core units per semester. Seniors are expected to enroll in four core units or a minimum of three AP/IB/CE/CTE courses. Any consideration of a waiver of this expectation will be approved on an individual basis by the principal or administration designee. Academic Waiver Requests must be submitted on form IKF1E.

- **Athletic Waiver:** Student athletes who have completed a season of athletics may be granted a one-time waiver of 0.5 of the required 1.5 units of physical education. This waiver does not reduce the total number of units required for graduation. Academic/physical education waiver requests must be submitted on form IKF2E.

- **Fine Arts/Practical Arts Waiver:** Seniors who have completed three years of AVID OR three years of Student Leadership, AND are currently enrolled in AVID or Student Leadership, may be granted a one-time waiver of 0.5 of the required 1.5 units of Practical/Fine Arts. This waiver does not reduce the total number of units required for graduation.

Graduation Requirements (cont'd)

Cherry Creek School District Course Requirements for Graduation

Board Policy IKF

A minimum of 22 units of credit shall be necessary for high school graduduation.

English	4.0 units
Mathematics	3.0 units
Science	3.0 units
Social Studies	3.0* units
PE	1.5 units
Health	0.5 units
Fine Art/CTE	1.5 units
Electives	5.5 units

*Includes 1 credit in U.S. History and 0.5 credit in Civics/Government.

Essential Skills Critical for Success in College and Career

- Innovation / Creativity
- Critical Thinking
- Real-World Experience
- Problem Solving
- Curiosity / Inquiry
- Relevancy
- Working in Teams
- Communication Skills
- Project-Based Learning
- Flexibility / Adaptability

Competency Menu of Options (Regulation IKT-E)

In addition to required coursework, all students must demonstrate career or college readiness in Reading/Writing/Communicating and Mathematics through at least one option below:

Basis	Reading/Writing/Communication	Mathematics
Next Generation Accuplacer	241 Reading 236 Writing	255 Arithmetic 230 Quantitative Reasoning, Algebra and Statistics (QAS)
Classic Accuplacer	62 Reading 70 Sentence Skills	61 Elementary Algebra
ACT	18	19
ACT Work Keys	Bronze or higher	Bronze or higher
Advanced Placement (AP)	2	2
ASVAB (AFGT Score)	31st percentile	31st percentile
Concurrent Enrollment	Passing grade	Passing grade
International Baccalaureate (IB)	4	4
SAT	470	500
District Capstone	Secondary Literacy Assessment	Portfolio of Skills Exam
Industry Certificate	District Determined	District Determined
Performance-Based Learning (PBL)	State Determined	State Determined

Schedule Correction Policy

Students are expected to make their course selections during the registration window in the spring semester of each school year. These course selections represent decisions that are made collaboratively with the student, teachers, the student's counselor, and the student's parents. Based upon these requests, faculty members are employed, sections are created, textbooks are purchased, and rooms are allocated. The schedules students receive in August reflect these requests and are set for the entire school year.

Schedule Correction Deadlines

Schedule repairs	First 2 days of the semester
WP/WF window	Beginning of week 2 of the new semester to End of week 4
Drop F window	Beginning of week 5
Level change to a higher-level course	Beginning of semester through First 9 weeks
Level change to a lower-level course	Weeks 5 to 9

Attendance and ALL schedule corrections

Students are responsible for attendance and grades in the originally scheduled class until the change is confirmed in PowerSchool. It is the student's responsibility to confirm any schedule changes with their counselor before attending the new class.

Schedule Repairs

Students may meet with their counselor to address the following schedule error corrections:

- Student does not have the prerequisite to take a scheduled class
- Student has already passed the class and it is not a repeatable class
- Level changes (requires a fully completed Level Change Form. See below for procedure)
- Error in the schedule (Missing a core class or short the required number of classes for grade level)
- Additional classes to meet college requirements/ graduation requirements.

Requests that will NOT be considered:

- Elective changes
- Teacher changes
- Periods off/lunch preferences
- Changes to accommodate parent/student work schedules

**** ALL SCHEDULE ERRORS MUST BE ADDRESSED IN PERSON BY THE STUDENT DURING THE FIRST TWO DAYS OF SCHOOL. EMAIL REQUESTS WILL NOT BE CONSIDERED. ****

2nd Semester Schedule Repairs

- Must meet the criteria above.
- Scheduling errors can be addressed in person by the student during the first two days of the semester following the scheduling policy outlined above.

Schedule Correction Policy (cont'd)

Course Withdraw Pass and Withdraw Fail

If it is necessary to drop a class during the first four weeks of the semester, a WP/WF form will be required.

- When a student, despite his/her own significant efforts, is unable to continue satisfactorily in a class, the student's teacher may initiate a WP/WF request on the student's behalf. The process is completed upon final approval of the Department Coordinator, student's parent, and counselor.
- A grade of WP/WF will be entered on the student's transcript as an indication of work attempted.
- WP/WF will not be calculated into the student's cumulative grade point average.
- If the drop makes the student short the required number of courses, the student will not be allowed to drop the class.

Drop F

After the fourth week of the semester, a student requesting to drop a class will receive an F on their transcript.

- The student must obtain a Drop with an F form from their teacher.
- A permanent grade of F will be recorded on the transcript and negatively impacts the student's GPA.
- If the drop makes the student short the required number of courses, the student will not be allowed to drop the class.
- Drop with an F form must be approved by the department coordinator and must also be signed by the student's teacher, parent, and counselor.

Level changes

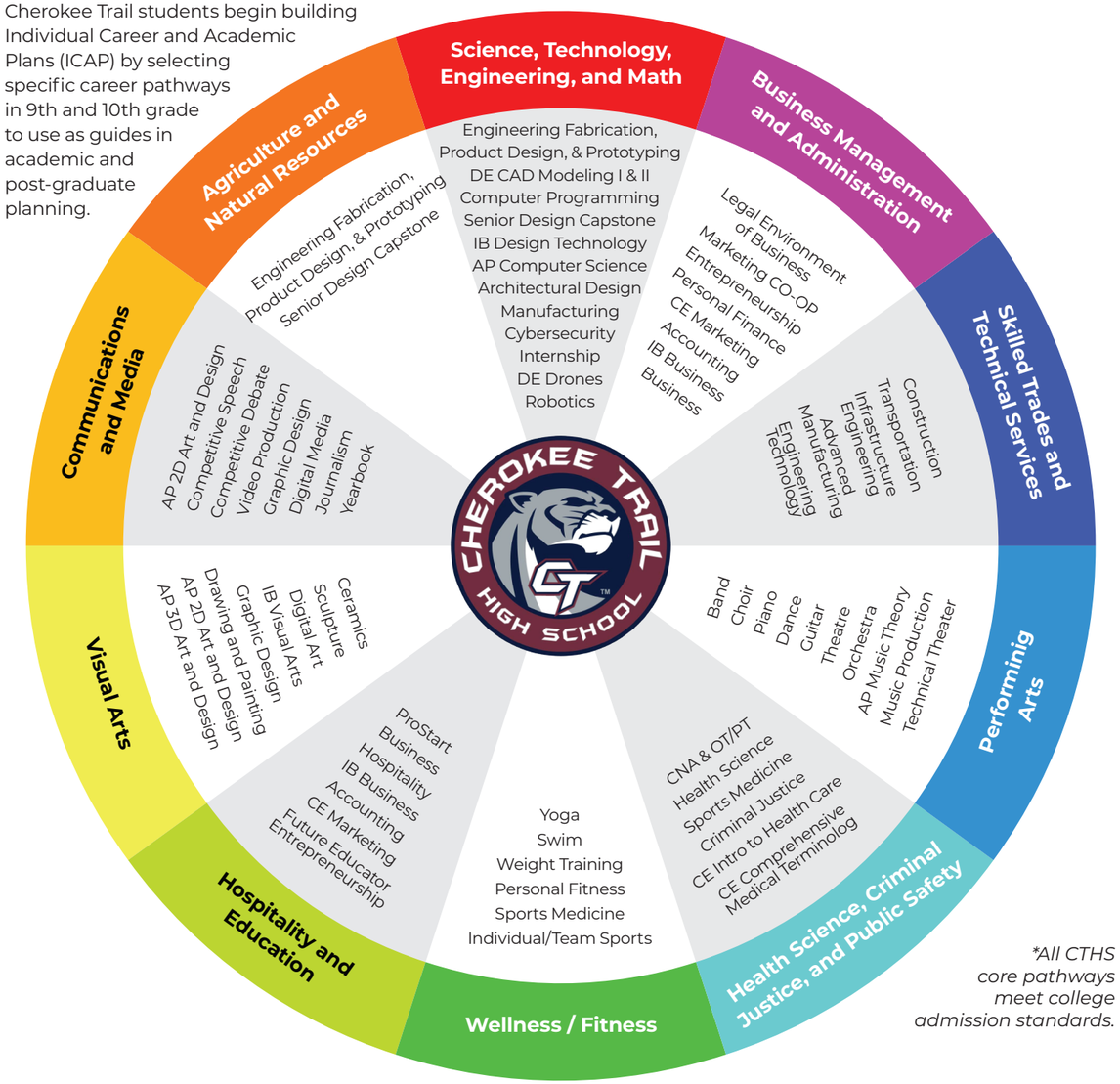
A level change is appropriate only if it is determined that the student is either above or below the current class's academic level. The decision to change levels is made by the teacher, parent, and the student. As students were allowed to select their core classes in the spring, any student who wishes to level change down must remain in the class for four weeks before a level change will be considered; additionally, the student must take the first unit test. Students who wish to level change up may initiate the level change process immediately.

If a level change is appropriate, the procedure below should be followed:

- The student must first discuss the level change with their teacher. If the teacher agrees with the change, they will send the student to the department coordinator.
- If the department coordinator also agrees with the level change, they will provide the student access to the electronic Level Change Form.
- Once the form is submitted, the parent must email the department coordinator affirming their approval of the change.
- Before the level change process may begin, the student must have completed all homework, assignments, and tests to the best of his/her ability and must have sought assistance from the teacher.
- Level changes may be made up through the end of the first 9 weeks of the semester.
- The letter grade at the time of the level change accompanies the student to the new class.
- Level changes are only for core classes (i.e., chemistry honors to chemistry).

CTHS Career Pathway Plans of Study

Cherokee Trail students begin building Individual Career and Academic Plans (ICAP) by selecting specific career pathways in 9th and 10th grade to use as guides in academic and post-graduate planning.



**All CTHS core pathways meet college admission standards.*

9th Grade
English 9 (Pre-AP, Pre-IB)
World Geography (Pre-AP, AP)
Algebra 1 or higher
Biology (H)
World Language

10th Grade
English 10 (Pre-AP, Pre-IB)
Government/Economics (AP)
Geometry or higher
Chemistry (H, AP)
World Language

11th Grade
English 11 (AP, IB, H)
US HIstory (AP, IB, CE)
Algebra 2 or higher (AP, IB, CE)
Physics (AP, IB)
World Language (AP, IB, H)

12th Grade
English 12 (AP, IB, CE)
Senior Social Studies (AP, IB)
College Algebra or higher (AP, IB, CE)
Senior Science (AP, IB, CE)
World Language (AP, IB, H)

IB = International Baccalaureate | AP = Advanced Placement | CE = Concurrent Enrollment | H = Honors

CTHS Beyond the Trail (BTT)

Individual Career and Academic Plan (ICAP)

ICAP is a multi-year process that intentionally guides students in academic, career, and post-secondary exploration. Through our BTT ICAP lessons, students will develop the awareness, knowledge, attitudes, and skills to create their own meaningful and powerful Pathways of Purpose to be career and college ready.

9th Grade

BTT 101: Introduction to CT & Resources
Students learn what resources are available to them at CT.

BTT 102: Academic Study Methods & Resources
1. Students learn about different methods for studying.
2. Students identify their individual preferences for studying.
3. Students access resources to prepare for finals.

BTT 103: Academics and Course Planning
1. Students learn about CT graduation requirements.
2. Students learn about different Post-Secondary pathways and indicate which one they are considering.
3. Students learn to calculate their GPA.
4. Students conference with their counselor regarding course registration for the next school year.

10th Grade

BTT 201: Career Pathway Discovery
1. Students complete personality and skills research using a Myers-Briggs-based survey in Naviance.
2. Students connect personality traits to a list of matching career choices.
3. Using the list of matching career choices, student make connections to post-graduate options.

BTT 202: Planning for Final Two Years of High School
1. Students review graduation requirements and benchmarks.
2. Students review post-secondary options and CTHS Plans of Study.
3. Students conference with their counselor regarding course registration for the next school year.

11th Grade

BTT 301: Researching Post-Secondary Pathways
1. Students learn about specific resources that will help them investigate and explore their post-secondary plans.
2. Students meet with their counselor in a junior conference to review selected career and post-secondary pathway.
3. Students select the appropriate post-secondary pathway based on individual career interest.
4. Students begin research on specific colleges and/or programs.
5. Students conference with their counselor regarding course registration for the next school year.

12th Grade

BTT 401: Implementing the ICAP
1. Students complete a survey indicating their post-secondary plans, and then attend a lesson by counselors specific to their plan.
2. Using Naviance, students finalize a list of possible colleges and/or programs that best fit selected career interests.
3. Students meet with their counselor in a senior conference to review post-secondary plan and begin implementation.
4. Students graduate with a completed Individual Career and Academic Plan (ICAP).

Beyond the Trail

Students continue on to 4-year college/university, 2-year community college, military, Career and Technical Education program, gap year, or straight to work.

Planning for College

College Admission

The Colorado Commission of Higher Education (CCHE) has developed the Higher Education Admission Requirements (HEAR). To be considered for admission to any four-year public institution in Colorado, students must demonstrate successful completion of the following coursework:

English	**4 credits**
Math - Algebra 1 level and higher	**4 credits**
Natural Sciences - 2 credits must be lab-based	**3 credits**
Social Sciences - At least 1 credit of U.S. or World History	**3 credits**
Foreign Language - Must be the same language	**1 credit**
Academic Electives - See note below	**2 credits**

NOTE 1: An academic credit, often referred to as a Carnegie credit, is equivalent to one full year of credit in a specific subject.

NOTE 2: For examples of acceptable HEAR courses, academic electives, and answers to frequently asked questions, go to:

https://highered.colorado.gov.

Hover over “Students” and click on “Preparing for College” and then “Admissions Eligibility.”

It is important to note that admission officers at these institutions will give preference to students who have demonstrated competence in a rigorous course of study over students who attain a good grade point average by taking fewer demanding courses.

**Please be aware that these requirements differ slightly from Cherry Creek School District graduation requirements.*

Factors Influencing College Admission

According to the 2023 “State of College Admis- sion Report,” the following factors, in order of importance, were:

1. **High school grades in college prep courses**
2. **Total high school grades (all courses)**
3. **Strength of high school curriculum**
4. **Positive character attributes**
5. **Essay or writing sample**
6. **Student’s interest in attending**
7. **Counselor recommendation**
8. **Teacher recommendation**
9. **Extracurricular activities**
10. **High school class rank**
11. **Admission test scores (ACT, SAT)**
12. **Portfolio**
13. **Interview**
14. **Work**
15. **Stategraduationexamscores**
16. **Subject test scores (AP, IB)**

More Planning for College

College Recommendations

Academics:

- Choose a rigorous course load. Take challenging courses. Colleges would rather see a lower grade in a more challenging course than the "easy A." Remember the best scenario is good grades in challenging classes.
- Make sure your courses are appropriate and in a logical progression. Use your Individual Career and Academic Plan (ICAP) to ensure you are on the right track.
- Enroll in at least 4 core classes (English, Social Studies, Math, Science, World Language) each semester.
- Get to know your counselor and teachers. These are the people who will be writing your recommendations.
- Keep your best work. Colleges may offer you a chance to submit supplementary material that demonstrates your achievements.
- Establish good study habits. Grades in the academic core areas (English, Math, Science, Social Studies, and World Languages) are the best predictors of success in college.
- Read! Studies have shown that one of the best preparations for college admission tests (SAT/ACT) is to read regularly.

Extracurricular:

- Find activities, both in and out of school, that you enjoy and that provide an outlet for your non-academic side.
- Go for quality rather than quantity. Colleges admire students who put significant effort into one or two activities rather than students who put little time into many activities.

Sample College Admission

Admission criteria to colleges and universities vary. On a continuum of expectations and requirements, the following examples provide general indicators.

Most Selective Colleges/Universities
Examples: Harvard University, Stanford University, Duke University, Vanderbilt University, Colorado School of Mines

Minimum of 18 core units: English 4, Math 4, Social Studies 3-4, Science 3-4, World Language 3-4, 4+ Advanced Placement Courses or IB Courses Grades and test scores: GPA 4.0+, SAT 1300+, 32+

Selective Colleges/Universities
Examples: University of Denver, University of Colorado at Boulder, Brigham Young University, Baylor University, University of Nebraska, Creighton University

Minimum of 16 core units: English 4, Math 3-4, Social Studies 3, Science 2-3, World Language 2-3, Advanced Placement Courses or IB Courses Highly Recommended Grades and test scores: GPA 3.5+, SAT 1100+, ACT 23+

Competitive I Colleges
Examples: Colorado State University, University of Colorado at Denver, Arizona State University, University of Wyoming, Regis University

Minimum of 15+ core units: English 4, Math 3-4, Social Studies 3, Science 2-3, World Language 2-3, Advanced Placement or IB Courses Recommended Grades and test scores: GPA 3.3+, SAT 1100+, ACT 23+

Competitive II Colleges
Example: University of Northern Colorado, Colorado Mesa University, Metropolitan State University Denver, Fort Lewis College, Adams State University, Western Colorado University

Minimum of 14 core units: English 4, Math 3-4, Social Studies 3, Science 2-3, World Language 2
Grades and test scores: GPA 3.0+, SAT 1100+, ACT 20+

**The ACT and SAT college entrance exams have optional writing components. Please check with individual institutions.

Initial-Eligibility Standards

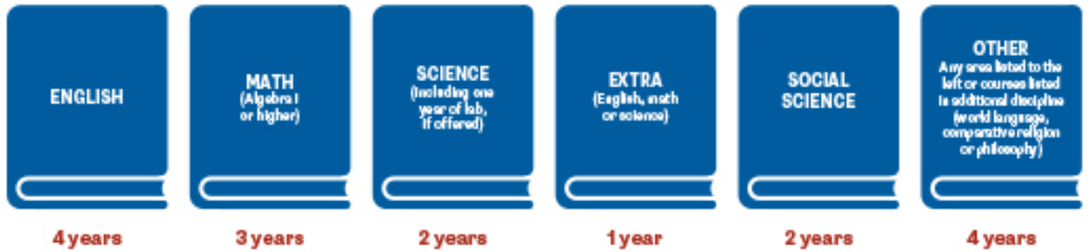
If you want to compete in NCAA sports, you need to register with the NCAA Eligibility Center at eligibilitycenter.org. Plan to register before your freshman year of high school. For more information on registration, visit on.ncaa.com/RegChecklist.

Academic Requirements

Division I and II schools require you to meet academic standards. To be eligible to practice, compete and receive an athletics scholarship in your first year of full-time enrollment, you must meet the following requirements:

Division I

1. Earn 16 NCAA-approved core-course credits in the following areas:



2. Complete your 16 NCAA-approved core-course credits in eight academic semesters or four consecutive academic years from the start of ninth grade. If you graduate from high school early, you still must meet core-course requirements.
3. Complete 10 of your 16 NCAA-approved core-course credits, including seven in English, math or science, before the start of your seventh semester. Once you begin your seventh semester, any course needed to meet the 10/7 requirement cannot be replaced or repeated.
4. Earn a minimum 2.3 core-course GPA.
5. Ask your high school counselor to upload your final official transcript with proof of graduation to your Eligibility Center account.

Division II

1. Earn 16 NCAA-approved core-course credits in the following areas:



2. Earn a minimum 2.2 core-course GPA.
3. Ask your high school counselor to upload your final official transcript with proof of graduation to your Eligibility Center account.

Division III

While Division III schools set their own admissions and academic requirements, international student-athletes (first-year enrollees and transfers) who are enrolling at a Division III school after Aug. 1, 2023, must be certified as an amateur by the Eligibility Center. Contact the Division III school you plan to attend for more information about its academic requirements.



Advanced Placement (AP) Courses

Advantages of taking AP Classes

- AP courses and exams begin the journey through college-level academic challenges.
- Collegiate institutions recognize applicants with AP experience are better prepared for the demands of college.
- Tuition savings are realized for students whose AP assessment performance awards them college credit. More than 1,400 collegiate institutions award a full year's credit (sophomore standing) to students presenting satisfactory grades on a specific number of AP exams.
- AP students are eligible for honors and other special programs in college.
- Research supports that high school students enrolled in AP courses have greater success in their first year of college.

AP Courses offered at CT

- English - AP Language, AP LIterature
- Math - AP Pre-Calculus, AP Calculus AB, AP Calculus BC, AP Statistics
- Science - AP Biology, AP Chemistry, AP Environmental Science, AP Physics 1, AP Physics C Mechanics and E &M
- Social Studies - AP African American Studies, AP Government, AP Human Geography, AP US History, AP Macroeconomics, AP Psychology, AP Research, AP Seminar, AP World History
- Electives - AP 2D Art & Design, AP 3D Art & Design, AP Business with Personal Finance, AP Computer Science Principles, AP Computer Science A, AP Drawing, AP Music Theory, AP Spanish Language

AP Considerations

- All CTHS students are encouraged to take at least one AP-level course
- AP course grades are weighted; however, students may earn lower grades due to the collegiate level of expectations.
  - AP students should expect a minimum of one and a half hours of homework each night per AP class.
- Before committing to multiple AP courses, students should consider the following:
  - Increased amount of homework
  - Increased rigor of coursework
  - Time management skills required to balance multiple high-level courses
- Extracurricular activities could impair the ability to fulfill course requirements.
- CTHS students enrolled in AP classes are expected to sit for May exams.
- AP exams cost $100 per exam, due in September.

AP Capstone Program

The College Board's AP Capstone is an innovative and engaging college-level program that complements and enhances discipline-specific AP courses. It's built on two courses offered at Cherokee Trail – AP Seminar and AP Research – that immerse students in the practice of critical skills needed to distinguish themselves in college and in life. AP Capstone encourages a passion for learning, transforming students into curious, collaborative, and independent critical thinkers with skills that are valued and sought after by colleges and universities.

Students who earn scores of 3 or higher in AP Seminar and AP Research, and on four additional AP Exams of their choosing, will receive the AP Capstone Diploma issued by The College Board. This signifies their outstanding academic achievement and attainment of college-level academic research skills. Students who earn scores of 3 or higher in both AP Seminar and AP Research but not on four additional AP Exams will receive the AP Capstone Certificate issued by The College Board. These stipulations are directed by The College Board.

Advancement Via Individual Determination (AVID) Program

The AVID Classroom

The Advancement via Individual Determination Program (AVID) is designed to push students to a higher rigor at an appropriate pace, while providing in-class support through an AVID class. It is directed towards college bound students who would thrive by building strong relationships with their teachers and peers, while also adding successful college skills to their toolbox.

The AVID class supports students through a variety of strategies. In the class, students work on skills such as time-management, Cornell notetaking, test-taking strategies, critical reading, research, collaboration, communication, inquiry, and organization. Teachers stress the importance of "writing as a tool for learning" and help support students through daily tutorial sessions led by trained tutors. The goal of the AVID tutorial session is to help students with the process of learning through inquiry and collaboration, rather than simply giving students the answers to their questions.

The foundation of the AVID program is to prepare and motivate students for college. Students have the opportunity to practice "mock" SAT and ACT exams so that they are fully prepared on test day. CT also offers an SAT prep course, and experts within the building work directly with AVID students to help prepare them for those exams. AVID classes also participate in motivational activities, including college and career research, community service-learning experiences, college-fairs, leadership conferences, and college field trips.

AVID and Elective Classes

AVID is a structured support program, not a separate curriculum. AVID students are open to a variety of electives based on their interests and current state requirements.

AVID and Advanced Courses

AVID students are expected to increase their rigor of classes each year. One-on-one conferences with the student's AVID teacher and the AVID counselor will help determine when a student is ready to increase their rigor. Advanced courses offered at CT include Advanced Placement (AP), Honors, International Baccalaureate (IB), and Concurrent Enrollment (CE). AVID students are expected to complete a minimum of one AP/IB or CE class while in high school. AP courses are offered in grades 9-12.

AVID Awards and Scholarships

Students who are involved in AVID are eligible to receive a series of additional awards and scholarships specifically designed for AVID students. Here are a few of these awards:

- AVID with Distinction: A graduation cord of distinction is granted to AVID students who complete 20+ hours of community service, maintain a 3.0 GPA or better, complete 3+ years of AVID, and are enrolled in the second semester of senior year, are a model AVID student, are accepted to a 4-year college or university, and complete a minimum of one AP/IB or Concurrent Enrollment class and sit for a standardized test.
- CCSD AVID Scholarship: Students who complete 3 years of AVID in CCSD are eligible to receive money from the CCSD AVID Scholarship Fund.
- Cherokee Trail AVID Scholarship: Students who complete 3 years of AVID in CCSD, including second-semester senior year, are eligible to receive money from the Cherokee Trail AVID Scholarship Fund.
- The Dell Scholars Program is offered to those high school students participating in an approved AVID program. The funding for each Dell Scholar is $20,000.
- Scholarship Application Assistance: The senior teacher and counselor work together to find other scholarships specifically for each student and assist students in their college applications.

Career and Technical Education at Cherokee Trail

In addition to courses offered at the home high school, students may also apply to take courses at the Cherry Creek Innovation Campus (CCIC). Some CCIC Pathways are an extension to CTE Pathways already offered at the home high school. Students can enroll in CCIC Pathways beginning in their 10th grade year. Courses listed with a CE (Concurrent Enrollment) or a DE (Dual Enrollment) allow students an opportunity to earn college credit. Industry certifications are also available in numerous pathways.

ACE

- ACE Career Development Foundations
- ACE Community WBL
- ACE Financial Literacy
- ACE In-school WBL
- ACE Career Development Applications
- ACE Success Systems

BUSINESS ADMINISTRATION

- Accounting I: Fundamentals of Accounting
- Acounting II: Principles of Accounting
- CE Marketing I: Principles of Mktg
- CE Marketing II: Soc Med and Advert Entrepreneurship
- IB Business Management SL
- IB Business Management HL I
- IB Business Management HL II
- Introduction to Business
- Legal Environment of Business
- Marketing Cooperative
- Personal Finance
- Sports Entertainment Marketing

COMPUTER SCIENCE / CODING

- AP Computer Science Principles
- AP Computer Science A
- Computer Programming I
- Computer Programming II
- CTE Internship - IT

DESIGN & MULTIMEDIA ARTS

- CTE Internship - Multimedia
- Digital Art I
- Digital Art II
- Graphic Design I
- Graphic Design II

DIGITAL MEDIA & COMMUNICATIONS

- CTE Internship - Digital Media
- Digital Media Studies
- Journalism
- Video Production I
- Yearbook

DRAFTING & DESIGN

- Architecture
- Architecture II
- DE 3D CAD Modeling 1
- DE 3D CAD Modeling 2
- IB Tech SL I, IB Tech SL II, IB Tech HL I, IB Tech HL II
- Senior Design Capstone
- Engineering Coop

ENGINEERING & TECHNOLOGY

- Engineering Product Design
- Engineering Prototyping
- Robotics and Automated Systems
- Tech Design Projects

HEALTH SCIENCE

- Comprehensive Medical Terminology (CE)
- Introduction to Health Care (CE)
- Sports Medicine
- Sports Medicine II
- Sports Medicine Internship

CTE DISTRICT-WIDE COURSES

These courses are available to all CCSD students and take place at various locations. For more information, please visit the CTE website.

- All courses offered at CCIC and Pathways
- Cosmetology/Esthetics (CE)
- Future Educator

WORK-BASED LEARNING (WBL) OPPORTUNITIES

Cherry Creek School District offers three (3) ways to experience real-world, hands-on learning in each pathway including:

- **Learning About Work** - provides exposure to different career clusters and pathways including career counseling, industry speakers and project-based learning.
- **Learning Through Work** - opportunities to interact with professionals from industry and community including internships and industry-sponsored projects.
- **Learning At Work** - pathway specific training that occurs at the work site and prepares students for employment in the industry including apprenticeships.

Cherry Creek Schools CTE Career & Technical Education Pathways of Purpose

For more information about CTE Pathways, Work-based Learning, Industry Certifications, or Concurrent Enrollment, please visit www.cherrycreekschools.org/cte

Concurrent Enrollment (CE) Courses

Concurrent Enrollment

Cherokee Trail High School works with Community College of Aurora (CCA) and Arapahoe Community College (ACC) to concurrently offer college and high school credit to qualifying candidates across many disciplines. To qualify for these opportunities, a student must first complete prerequisites which may include course completion of a qualifying score on Accuplacer, ACT, or SAT.

Concurrent Enrollment college credit is subject to course and teacher approval and completion of all required registration steps within the designated semester deadline. Courses are subject to cancellation for Concurrent Enrollment college credit due to unforeseen circumstances. Prerequisites for courses may change at any time.

Concurrent Enrollment Facts

- Students will also receive high school graduation credit for their CE course.
- Students must be enrolled in this class for the entire semester or year and finish with a grade of C or higher to earn college credit.
- Students are required to complete all necessary steps to qualify for Community College of Aurora credit. These steps include:
  1. Application to corresponding community college (online)
  2. Registration for College Opportunity Fund (COF); credit earned will be deducted from the COF lifetime account (145.0 credit hours).
  3. Satisfy prerequisites, qualifying test scores, or complete program self-assessment for placement.
  4. Complete online Course Agreement form for EACH course prior to established deadlines (student and parent online signatures)
- The college credit will be awarded through the corresponding community college.
- Students should check with their transferring institution regarding transferability of the course.
- Students may enroll in courses without earning college credit.

High School Course	Term	CCA Course - Qualifying Scores ACT, SAT, Next Gen Accuplacer	Credit Hours
CE Biology: Science of Bio w/Lab	Yearlong	BIO 1005*	4.0
CE College Algebra with Algebra Lab	Yearlong	MAT 0030 & MAT 1340	6.0
CE College Algebra	Fall	MAT 1340	4.0
CE College Trigonometry	Spring	MAT 1420	3.0
CE Comprehensive Medical Terminology	Fall or Spring	HPR 1040 - No qualifying scores required	3.0
CE English Composition I	Yearlong	ENG 1021	3.0
CE English Composition I	Fall	ENG 1021	3.0
CE English Composition II	Fall	ENG 1022 - 3 on AP Lang Exam	3.0
CE Introduction to Chicano Studies	Spring	ETH 2024*	3.0
CE Intro to Health Care	Fall or Spring	HPR 1001 & HPR 1004 - No qualifying scores required	4.0
CE Intro to Literature I	Spring	LIT 1015	3.0
CE Intro to Statistics w/Quantitative Lab	Spring	MAT 0020/1260 - ACTM 17 or SATM 200 or AAF 200	4.0
CE History of Latin America	Fall	HIS 2200*	3.0
CE Marketing 1: Principles of Mktg	Yearlong	MAR 2016	3.0
CE Marketing: Soc Med & Advert	Yearlong	MAR 1055 & MAR 2020	6.0
CE Phys Geo: Clim & Eco w/Lab	Yearlong	GEO 1012	4.0
CE US History to Reconstruction	Fall	HIS 1210 - 18 or SATV 470 or WR 236*	3.0
CE US History Since Civil War	Spring	HIS 1220 -18 or SATV 470 or WR 236*	3.0

Courses with * will accept exam score of 3+ in any AP English or AP Social Studies course to qualify.

Dual Enrollment (DE) Courses

Dual Enrollment

Cherokee Trail High School works with Metropolitan State University of Denver for Dual Enrollment (DE) to concurrently offer college and high school credit to qualifying candidates in the engineering and technology discipline. To qualify for these opportunities, a student must first complete prerequisites which may include course completion of a qualifying score on Accuplacer, ACT, or SAT.

Dual Enrollment college credit is subject to course and teacher approval and completion of all required registration steps within the designated deadline. Courses are subject to cancellation for Dual Enrollment college credit due to unforeseen circumstances. Prerequisites for courses may change at any time.

Dual Enrollment Facts

- Students will also receive high school graduation credit for their DE course.
- Students must be enrolled in this class for the entire year and finish with a grade of C or higher to earn college credit.
- Students can opt to sign up for Dual Enrollment and the process for enrolling will be shared with the class and supported through the teacher.
- Students will be charged $150 for the optional Dual Enrollment piece.
- The college credit will be awarded through Metropolitan State University of Denver.
- Students should check with their transferring institution regarding the transferability of the course(s) outside of MSU Denver.
- Students may enroll in courses without earning college credit.

High School Course	Term	MSU Course Qualifying Scores / Prerequisites	Credit Hours
DE 3D CAD Modeling 1	Yearlong	IND1450	3.0
DE 3D CAD Modeling 2	Yearlong	IND3660	3.0
DE Introduction to Drones	Semester	AES1040	3.0
DE Engineering Fabrication	Semester	IND1100	3.0

International Baccalaureate Diploma Program

What is IB?

The International Baccalaureate (IB) Program is a comprehensive and rigorous two-year curriculum for junior and senior students, which leads to international exams in six subjects and the International Baccalaureate Diploma. The aim of the IB Program is to develop inquiring, knowledgeable, and caring young people who will help to create a better and more peaceful world through intercultural understanding and respect.

IB Course of Study: 11th and 12th Grades

- Language A: English, Language & Literature. Includes selections from literary and non-literary texts.
- Language B (learned language): French or Spanish
- Individuals and Societies: History of the Americas and 20th Century History
- Experimental Sciences: Biology, Physics, or Sports Exercise Health Science
- Mathematics: Mathematical Analysis, Mathematical Applications
- Electives: Business and Management, Design Technology, Sports Exercise Health Science, Visual Arts, or a second subject from one other IB subject area.

Additional Requirements

- Extended Essay — no more than 4,000 words that provides the experience of independent research.
- Theory of Knowledge (TOK) — explores the relationships among various disciplines.
- CAS experiences (Creativity, Activity, Service) during both junior and senior years of high school.

The student who satisfies the demands of the IB curriculum demonstrates a strong commitment to lifelong learning, both in terms of the mastery of subject content, and the development of the skills and discipline necessary for success at the university level and in the competitive world.

International Baccalaureate®

IB at CT

Cherokee Trail allows for students to apply for an IB pathway that can begin in 9th grade; how- ever, students currently in 9th and 10th grades can apply to begin the following school year. Students interested in applying for IB should be committed to their academic learning in all core subjects and in either French or Spanish. An appreciation for global perspectives and learning beyond the school is also essential.

Advantages of the IB Diploma

- The IB Diploma is a symbol of academic integrity and intellectual promise that colleges and universities around the world recognize.
- Colleges and universities recognize that IB Diploma recipients are better prepared for demands of college and offer special scholarships, waive certain courses, and in some cases waive out-of-state tuition to Diploma holders.
- Students awarded the IB Diploma in Colorado receive at least 24 credits at state schools according to Colorado legislation passed in 2003 and upheld in 2023.
- Students develop themselves beyond the academic expectations set within school.

Baccalaureate Programs

STEM (Science, Technology, Engineering, and Mathematics) Baccalaureate

The world needs highly educated individuals in the areas of science, technology, engineering, and math. With this as our goal, Cherokee Trail High School offers a Science, Technology, Engineering, and Math (STEM) Baccalaureate. This baccalaureate is designed to prepare students for postsecondary coursework in these challenging fields. A student who partici- pates in the STEM Baccalaureate Program will complete coursework in upper-level math and science courses as well as specialize in one of two areas of technology: engineering technology or computer programming.

This Baccalaureate distinction is open to all students including those in the International Baccalaureate Program. To receive the STEM Baccalaureate, students must earn a weighted B or higher in all STEM courses applied to the Baccalaureate. Students will be honored at graduation with a green and silver cord.

Students must complete requirements in science, mathematics, and ALL requirements from one of the three areas of specialization with a weighted B or higher to qualify for the STEM Baccalaureate cord. In addition, students must maintain an overall cumulative GPA of 2.5 or higher and apply with a copy of their tran- script to the Activities Office by the deadline (usually mid-April of their senior year).

Business Distinction

This Liberal Arts Baccalaureate recognizes students who are proficient in business and marketing concepts and skills, which contrib- utes to their future success in their chosen careers.

To receive the Liberal Arts Baccalaureate in Business, students must complete the following:

- Students must earn a total of 4 points in Business and Marketing courses and earning a B or better.
- A 3-point minimum must be earned during the student's junior and/or senior year.
- Student must maintain an overall cumulative GPA of 2.5 or higher
- Students must submit the cord application with a copy of their transcript to the Activities Office by the deadline (usually mid-April of their senior year).

Communication Arts, Performing Arts, and Visual Arts

This Liberal Arts Baccalaureate recognizes students who demonstrate excellence in upper level communication, visual and/or performing arts while demonstrating a dedication to overall academic success.

- To receive the Liberal Arts Baccalaureate, students must complete the following:
- Two full credits in communication arts, visual arts, or performing arts with a B or higher in all courses applied toward this requirement.
- Of these, at least 1.5 credits must be taken during junior and/or senior year.
- At least 1.0 credit must be an eligible upper-level course. Courses that fulfill this requirement are indicated by "**LB**" in the course description portion of this guide. Students must be in the second year of the communication arts capstone course in order to count towards the LB requirement.
- Students must maintain an overall cumulative GPA of 2.5 or higher.
- Students must submit the cord application with a copy of their transcript to the Activi- ties Office by the deadline (usually mid-April).

CHERRY CREEK
INNOVATION CAMPUS

2026 – 2027 COURSE CATALOG

CLICK HERE

Course Catalog



WHY CHOOSE CCIC?

- Authentic Hands-on Industry Projects
- Concurrent and Dual Enrollment College Credits
- Industry Recognized Credentials
- Extracurricular Opportunities

EXPLORE CCIC:

The Cherry Creek Innovation Campus provides an opportunity for students to enroll in career and technical education courses across the following pathways:

- Aerospace Manufacturing
- Aerospace Technician - **NEW**
- Artificial Intelligence (AI)
- Automation, Robotics & Mechatronics (ARM) - **NEW**
- Automotive Service Technician
- Aviation Flight
- Aviation Maintenance
- Baking & Pastry - **NEW**
- Behavioral Health Tech
- Certified Nurse Aide
- Construction
- Culinary
- Cybersecurity
- Emergency Medical Technician (EMT) - **NEW**
- Entrepreneurship
- Film - **NEW**
- Hospitality Management
- HVAC - **NEW**
- Motion Design - **NEW**
- OT/PT
- Pharmacy Technician
- Project Management
- Resort & Event Management
- Veterinary Assistant - **NEW**
- Welding - **NEW**

APPLY

January 6, 2026 - February 13, 2026

FOR MORE INFORMATION

720-554-2600 www.ccic.cherrycreekschools.org 8000 S. Chambers Rd., Centennial, CO 80112

CHERRY CREEK PATHWAYS AT OVERLAND

2026 – 2027

COURSE CATALOG



WHY PATHWAYS AT OVERLAND?

- Authentic Industry Projects
- Concurrent and Dual Enrollment College Credits
- Industry Recognized Credentials
- Extracurricular Opportunities

EXPLORE PATHWAYS:

Pathways at Overland provides an opportunity for students to enroll in career and technical education courses across the following pathways:

- Healthcare Foundations
- Medical Assisting
- Patient Care Tech
- Pre-Law & Judicial Process
- Public Safety & Constitutional Law

APPLICATION OPENS:

January 6, 2026 -February 13, 2026

FOR MORE INFORMATION

720-747-3400 pathwaysatoverland@cherrycreekschools.org

Concurrent & Dual Enrollment

CHERRY CREEK
SCHOOL DISTRICT

I WANT FREE COLLEGE CREDIT

Successfully complete college classes at your high school and earn high school credit & college credit at the same time!

BENEFITS

- Take rigorous coursework to be prepared for the future.
- Reduce the amount of time to complete certifications, associates and bachelors degrees.
- Concurrent Enrollment courses are free which saves money on post secondary degree options. (Family pays a small portion of tuition for Dual Enrollment classes.)
- Many classes are Guaranteed Transfer to in-state 2 year and 4 year colleges. (https://cdhe.colorado.gov/guaranteed-transfer-pathways-general-education-curriculum)
- Starting in 26-27, many CE and DE classes will be weighted.

Examples of Concurrent Enrollment Offerings in CCSD High Schools

English Composition
Intro to Literature
College Algebra
College Trigonometry
College Calculus
Intro to Statistics
Math for Liberal Arts
US History to Reconstruction
US History since Civil War
Intro to Health Care
Comprehensive Medical Terminology
Criminal Justice and Law

Personal Finance
Accounting Principles
Marketing
Computer Aided Design
Engineering Design
Intro to PC Applications
Theatre
Digital Arts
Automotive Technology
Project Management for Entrepreneurs
Manufacturing Fundamentals
Intro to OT/PT

DO YOU ENJOY WORKING WITH KIDS?

JOIN
CHERRY CREEK'S
FUTURE EDUCATOR *Apprenticeship*





Did you know that you can get paid to work in a CCSD elementary school while also attending high school?

Additionally, you can earn up to 21 hours of FREE college credit through Community College of Aurora AND build your teamwork, communication and leadership skills!

Courses Offered as part of the Future Educator Pathway (FEP) Program in 2026-2027:

EDU 2211 Intro to Education
EDU 2088 Practicum II
COM 1150 Public Speaking
EDU 2611 Teach Learn & Tech w/AI

SCI 1055 Integrated Science 1 w/Lab
EDU 1551 Apprenticeship: Fostering Well Being, Belonging & Inclusion through Inquiry Based Practice
SCI 1056 Integrated Science 2 w/Lab

These courses align directly with the adult Aspiring Educator Pathway program in CCSD. Learn more at https://www.cherrycreekschools.org/programs-and-services/aspiring-educator-pathway/aspiring-educator-pathway

To learn more about the Future Educator Apprenticeship, scan the QR code above, or fill out the interest survey on https://www.cherrycreekschools.org/academics/career-and-innovation/work-based-learning/future-educator-program.

CCSD Work-Based Learning

How does it work? Internships and Apprenticeships provide students 1.0 Elective/Practical Fine Arts credits per semester to experience work-based learning during the school day. Students must apply for opportunities on the Job Board and be selected by a company in order to be placed in a CCSD Internship or Apprenticeship.

CTE Internships

Internships are for exploration.
If you are interested in an industry, this is a great way to shadow and experience a career in real life. Internships are a short-term commitment that can help you decide if a path after high school is really for YOU.

- **Juniors and seniors** who are enrolled or have completed at least 1 related CTE course can apply
- Can be **paid or unpaid**
- **Short-term commitment** (about 100 hours per semester at the internship site)
- Get **real-world exposure** to an industry
- **Shadow** industry professionals
- Can be in the summer, fall, or spring semesters

Internship information in multiple languages

Apprenticeships

Apprenticeships are for students who are committed to a specific career path.
This is an opportunity to gain relevant experience and grow in your field while still in high school. This is a real, long-term, job commitment. Get ahead of your peers by starting work early.

- **Must be 16** years old by the start of apprenticeship to apply
- **Always a paid employee** of company fulfilling a real job position
- **Long-term commitment** (between 2-to-3 years)
- Always **begin working in high school** and stay with company 1-to-2 years after graduation
- **Mentorship** from industry professionals
- Begin in **entry-level** position and gain skills necessary to advance in career
- Company will support obtainment of **certifications** and/or some relevant college credit

Apprenticeship information in multiple languages

Work-based Learning Job Board

On students' my.cherrycreek
https://cherrycreekschools.my.site.com/student/s/wbl-jobboard

11/25/2025

Seal of Biliteracy for High School Diplomas

Minimum Requirements

Colorado Senate Bill 17-123 authorizes the Local Educational Agency (LEA) to grant a Seal of Biliteracy for high school diplomas for graduating high school students who attain proficiency or higher in one or more world languages in addition to attaining proficiency or higher in English. To meet Colorado Seal of Biliteracy for High School Diplomas minimum requirements, a graduating student must:



Demonstrate proficiency or higher in English by completing all of the English Language Arts (ELA) course work required for graduation with an overall grade point average of at least 3.0 in the required ELA courses **AND *one of the listed requirements below:***

- Scoring 470 or higher on the SAT section of "Evidenced-Based Reading and Writing"
- Scoring 25 or higher on ACT both in English and Reading
- Scoring 3 or higher on the Advanced Placement (AP) English Language and Composition or the AP English Literature and Composition exam
- Scoring 4 or higher on the English A, English Literature A or English A1 of the International Baccalaureate exam

AND



Demonstrate proficiency or higher in a World Language (WL) by completing ***one of the listed requirements below:***

- Scoring 3 or higher on World Language Advanced Placement exam
- Scoring 4 or higher on World Language International Baccalaureate exam
- Successfully completing a 4-year high school course of study of a single World Language with an overall grade-point average of at least 3.0
- Achieving a passing score on nationally recognized test*

**If World Language AP test is not available: Achieving a passing score on a CDE identified summative test in WL that is comparable in rigor to the AP test can be accepted. If CDE identified test is not available: LEA-created test or body of evidence that demonstrates knowledge of the WL can be accepted.*

COLORADO
Department of Education

The Seal of Biliteracy is an award issued by a state department of education or local school district to recognize a graduating student who has attained proficiency in English Language Arts and one or more World Languages. The recognition of attaining biliteracy becomes part of the high school permanent record via their transcripts. The seal certifies attainment of biliteracy for students and is a statement of accomplishment that further supports a student's preparedness for college/career and for engagement as a global citizen. For more information, see the **Seal of Biliteracy Requirements** on the Cherokee Trail High School website.

What is Cherry Creek Elevation High School?
Cherry Creek Elevation is Cherry Creek School District's online and blended learning school, serving students in grades 6-12. Cherry Creek Elevation offers many courses in various subject areas that students can take at no cost while remaining enrolled at Cherokee Trail High School. For a full list of courses and information on how to apply, please visit the Course Registration Guide and Apply for Enrollment at https://www.cherrycreekschools.org/elevation.

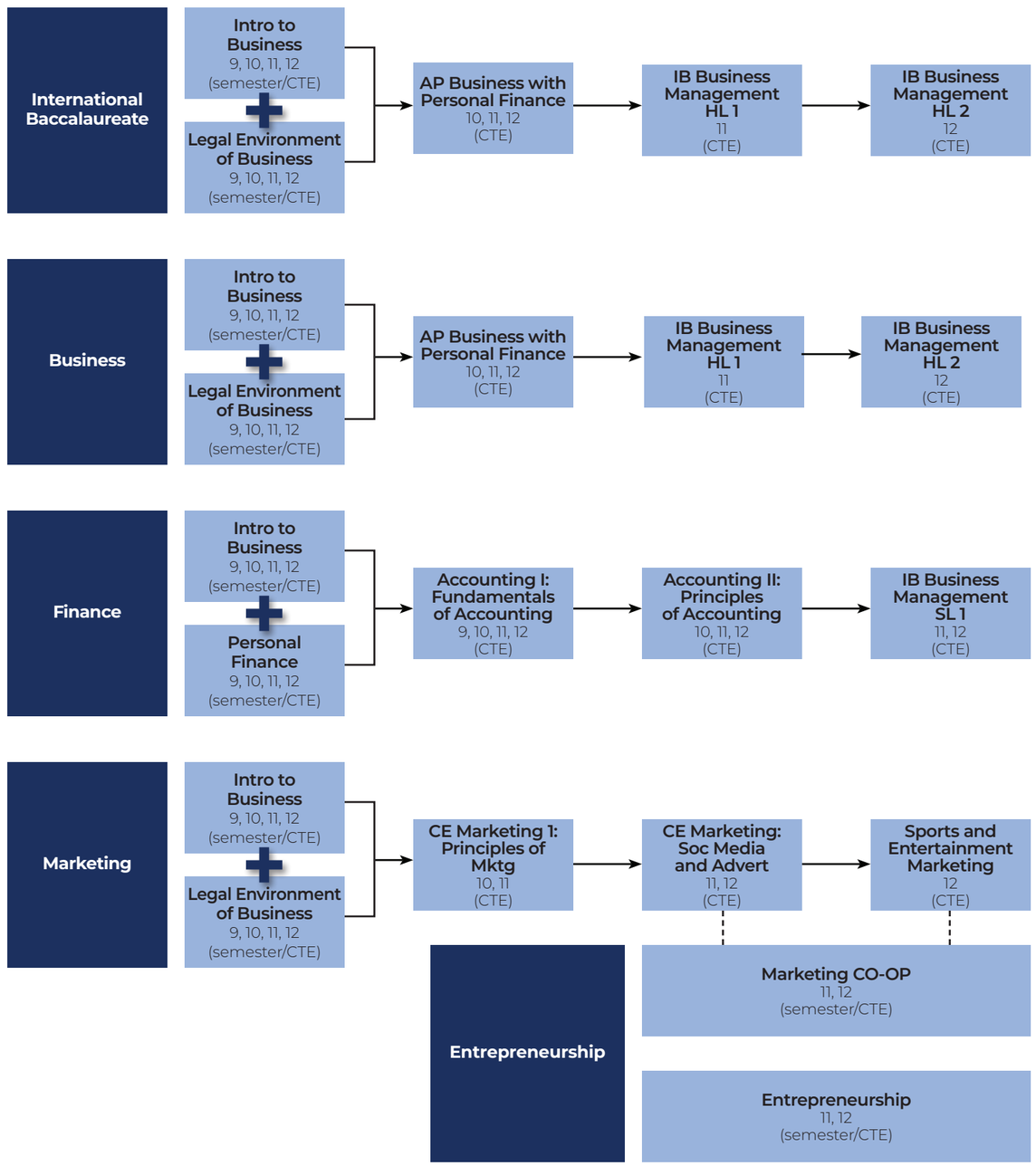
Elevation Q&A: Is Online Learning Right for Me?
The online student must take responsibility for his or her own learning. In any online education program, the student must be a self-directed learner, have the internal motivation to manage his or her own learning, and have a basic grasp of computer and internet navigation skills.

Part Time Enrollment
Cherry Creek Elevation high school awards credit through a quarter system. Students interested in taking part-time classes at Cherry Creek Elevation must meet with their Cherokee Trail counselor to discuss their desired courses prior to applying for a part-time class at Cherry Creek Elevation. Any courses taken through part-time status at Cherry Creek Elevation must be in addition to full time status at Cherokee Trail. ****Subject to approval based on availability at Elevation.**

For students enrolled in Cherokee Trail High School, any course taken through Cherry Creek Elevation is considered a supplemental online course.

Students may see a list of supplemental online courses through the Course Catalog for Cherry Creek Elevation HERE

Business Department Pathways



Business Department Courses

The purpose of the Business Department at Cherokee Trail High School is to provide students with meaningful instruction for and about business, computer technology, marketing, and technology systems. A broad, comprehensive curriculum imparts the skills necessary to succeed in an increasingly complex information-based society. The ability to process and manipulate data has become the most important determiner of economic success, on both the individual and business level. Successfully analyzing and communicating information to others has always been a vital skill in the business world. In this new electronic age, these skills are now intertwined with technology. Cherokee Trail High School's vision is to graduate students who are knowledgeable in many areas of business and marketing, poised and professional, comfortable, and proficient in using technology in all its forms, and possess the essential skills needed for life-long learning.

AP BUSINESS WITH PERSONAL FINANCE CTE LB W

Grades: 10
Year: 1.0 Fine Arts/Practical Arts credits
This course fulfills the HB 25-1192 Financial Literacy graduation requirement.
AP Business with Personal Finance introduces students to the knowledge and skills they'll need to grow their careers, manage money, and get a head start toward the most popular college major in the U.S. Developed in partnership with college faculty and industry leaders, the yearlong course offers students the opportunity to earn college credit and an employer-endorsed credential.

ACCOUNTING 1: FUNDAMENTALS OF ACCOUNTING CTE LB

Grades: 9, 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credits
Introduces accounting fundamentals with an 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. Students are encouraged to join Future Business Leaders of America (FBLA) as leadership activities provide opportunities to make connections between the school, community, and the business world. Emphasis is placed on service, social and competitive events.

ACCOUNTING 2: PRINCIPLES OF ACCOUNTING CTE LB

Grades: 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credits
Prerequisite: Accounting 1
Co-requisite: FBLA Membership
This course introduces accounting principles for understanding the theory and logic that underlie procedures and practices for business organizations. Major topics include the accounting cycle for service and merchandising companies, internal control principles and practices, notes and interest, inventory systems and costing, and plant and intangible asset accounting. Students are required to join Future Business Leaders of America (FBLA) as leadership activities provide opportunities to make connections between the school, community and the business world. Emphasis is placed on service to others, social and competitive events.

CE MARKETING 1: PRINCIPLES OF MKTG CTE LB

Grades: 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credits
Co-requisite: DECA membership
This course will build skills in sales, marketing, communications, and professionalism. Some units of study are advertising, promotion, marketing, display, selling, merchandising, marketing math, and job-seeking skills. This course presents the analysis of theoretical marketing processes and the strategies of product development, pricing, promotion and distribution, and their applications to businesses and the individual consumer.

CE MARKETING 2: SOC MED & ADVERT CTE LB

Grades: 11, 12
Year: 1.0 Fine Arts/Practical Arts credits
Prerequisite: Marketing 1 or teacher recommendation
Co-requisite: DECA membership
This course teaches students how to use social media as a business strategy and covers how to match that strategy with the goals of the business. This course addresses current trends, ethics, regulations, legal challenges, strategy, content development, and change management. This course helps students develop a better understanding of how marketing with social media is similar to and different from traditional marketing and how to best use online methods to further business goals. Advertising examines the principles and practices of advertising and its relationship to business to promote a business or organization. Areas of major emphasis include advertising principles, strategies, media, copy and layout, and ethical considerations.

Business Department Courses

ENTREPRENEURSHIP CTE LB

Grades: 11, 12
Year: 0.5 Fine Arts/Practical Arts credits
In this course, students will demonstrate the culmination of their learning within the business program, mastering the essential skills and knowledge required to start and operate a successful business. Through hands-on learning and working alongside real entrepreneurs, students will explore key aspects of small business management, including branding, marketing, financing, human resources, bookkeeping, and more. By applying theories, concepts, and problem-solving techniques in a variety of simulated scenarios, students will deepen their understanding of fundamental business areas such as Accounting, Business Law, Ethics, Entrepreneurship, Computer Information Systems, Finance, Management, Marketing, Operations, Project Management, Risk Management, and Strategic Planning. The course culminates in a capstone project that showcases students' ability to integrate these concepts and prepares them to confidently launch and grow their own businesses.

IB BUSINESS MANAGEMENT HL 1 CTE LB W

Grades: 11
Year: 1.0 Fine Arts/Practical Arts credits
Prerequisite: Acceptance to IB program
IB Business and Management courses prepare students This course prepares students to take the Higher Level, year-two International Baccalaureate Business Management exam. In line with Individual and Society courses, it emphasizes problem-solving through data interpretation, analytical tools, and evaluation of quantitative and qualitative factors. Students also build a strong understanding of essential business terminology, concepts, and principles.
Membership in DECA is strongly encouraged.

IB BUSINESS MANAGEMENT HL 2 CTE LB W

Grade: 12
Year: 1.0 Fine Arts/Practical Arts credits
Prerequisite: IB Business Management HL1 or SL
IB Business and Management Level 2 prepares students to take the International Baccalaureate Business Management exam at either the Standard or Higher Level. Aligned with Individual and Society courses, it emphasizes problem-solving through identifying issues, interpreting data, applying analytical tools, and evaluating both quantitative and qualitative outcomes. Students also develop a strong foundation in essential business terminology, concepts, and principles.
Membership in DECA is strongly encouraged.

IB BUSINESS MANAGEMENT SL CTE LB W

Grades: 11, 12
Year: 1.0 Fine Arts/Practical Arts credits
This one-year course can serve as the 6th subject for IB Diploma candidates or as the capstone course in the business pathway for non-IB students. IB Business and Management prepares students to take the International Baccalaureate Business Management exam at the Standard Level. Aligned with Individual and Society courses, it emphasizes problem-solving through identifying issues, interpreting data, applying analytical tools, and evaluating both quantitative and qualitative outcomes. Students also develop a strong foundation in essential business terminology, concepts, and principles.
Membership in DECA is strongly encouraged.

INTRODUCTION TO BUSINESS CTE LB

Grades: 9, 10, 11, 12
Semester: 0.5 Fine Arts/Practical Arts credits
This course is ideal for anyone interested in owning, working for, or engaging with a business. Students explore entrepreneurship and business management

Business Department Courses

while learning how fundamental business principles apply in local, national, and global settings. Topics include career development, business ownership, finance, economics, marketing, management, operations, human resources, regulations, and business ethics. Students are encouraged to join Future Business Leaders of America (FBLA), where leadership activities help connect school, community, and the business world through service, social events, and competitions.

LEGAL ENVIRONMENT OF BUSINESS CTE LB
Grades: 9, 10, 11,12
Semester: 0.5 Fine Arts/Practical Arts credits
Legal Environment of Business emphasizes public law, regulation of business, ethical considerations, and various relationships existing within society, government, and business. Specific attention is given to economic regulation, social regulation, labor-management issues, environmental issues, and contract fundamentals. This course analyzes the role of law in social, political, and economic change in business environments. Students are encouraged to join Future Business Leaders of America (FBLA) as leadership activities provide opportunities to make connections among school, community, and the business world. Emphasis is placed on service, social and competitive events.

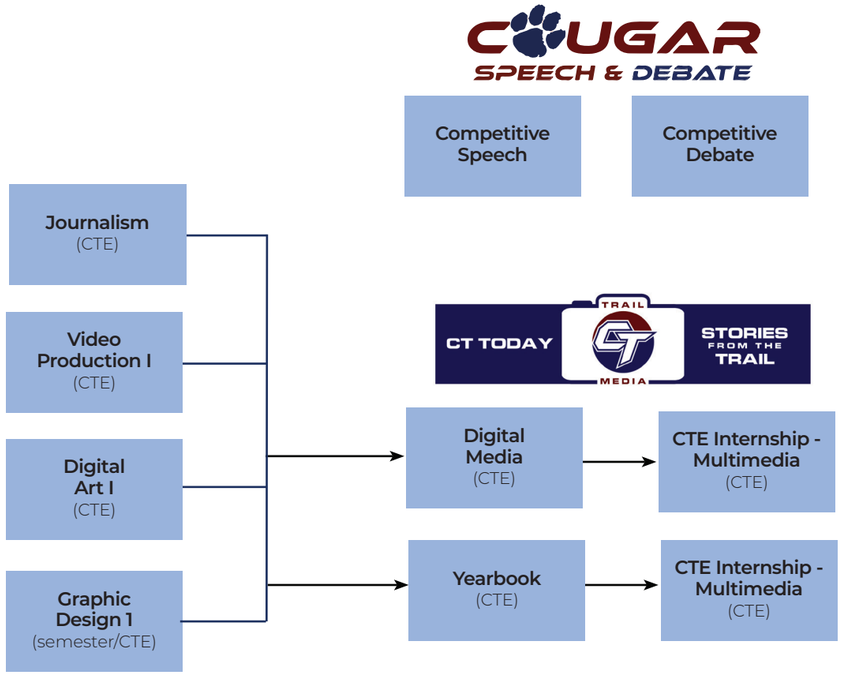
MARKETING CO-OP CTE LB
Grades: 11, 12
Semester: 1.0 Fine Arts / Practical Arts credits / 125 hours
Prerequisite: Marketing 1
Co-requisite: DECA membership
Course Type: Alternative Instruction/Work-Based Learning
Marketing CO-OP is a work-based learning (WBL) course that includes a continuum of activities that occur in the workplace, providing the learner with hands-on, real-world experience. The course further develops marketing content knowledge and skill development with simultaneous work experience. Students must complete an initial employer agreement and a reflection of the WBL experience.

PERSONAL FINANCE LB
Grades: 9, 10, 11, 12
Semester: 0.5 Fine Arts/Practical Arts credits
This course fulfills the HB 25-1192 Financial Literacy graduation requirement.
This course builds essential financial life skills, including budgeting, the car-buying process, and introductory investing, and research shows that students who take personal finance courses tend to have higher credit scores and are more likely to establish emergency savings. Students will explore core topics such as saving, borrowing, career planning, retirement and estate planning, insurance, and income taxes while developing a personal financial philosophy. Participation in Future Business Leaders of America (FBLA) is encouraged, as its leadership activities help students connect school, community, and the business world through service, social events, and competitions.

SPORTS & ENTERTAINMENT MARKETING CTE LB
Grades: 11, 12
Year: 1.0 Fine Arts/Practical Arts credits
Prerequisite: Marketing 1
Co-requisite: DECA membership
With Sports and Entertainment Marketing students will explore the management principles practiced by successful businesses in the sports and entertainment fields. Topics covered will include sports & entertainment management, college and amateur sports, professional sports, product management, human resources, legal and ethical issues, managing change, customer relations, and much more. This class will define the importance and role of marketing, media, and public relations in the event planning industry. Students will also identify marketing and communication tools such as social media, promotional events, and networking. Further, students will design a marketing plan that includes target market research, communication tools, objectives, strategies, and implementation.

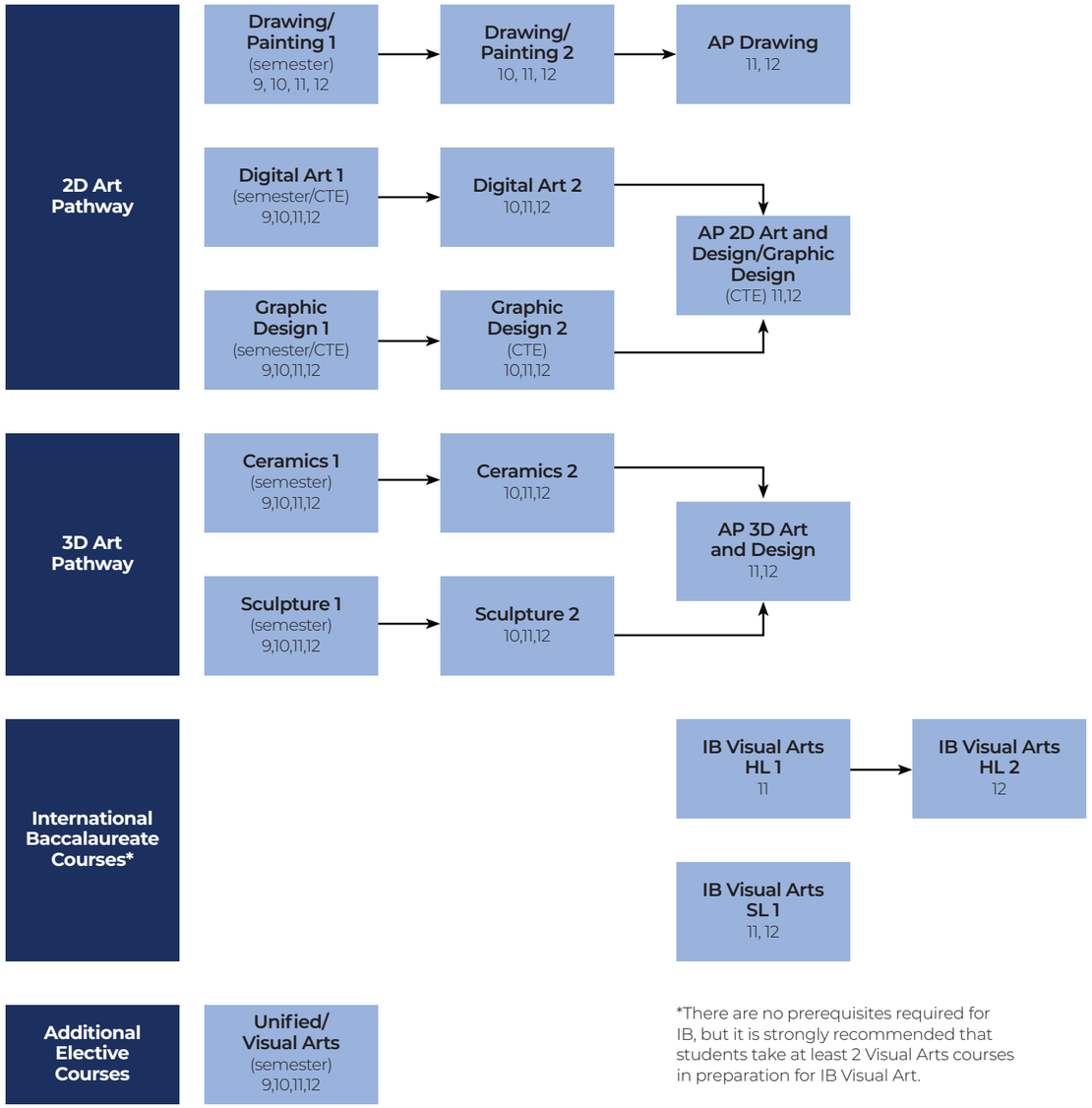
Communication, Media, Art, and Design Department Pathways

Students are encouraged to take two (2) Introductory Courses before joining a year-long class/co-curricular program. Courses in the CMAD Pathways can be use to meet the Practical Arts credit requirement for graduation.



CT COURSE	Crosswalk to CTE STATE NAME
Graphic Design I	Graphic Design and Illustration I (A)
Graphic Design II	Graphic Design and Illustration II (A/B)
Digital Art I	Graphic Design and Illustration I (B)
Digital Art II	Adobe Photoshop A
Video Production I	Audio/Video Production I (A)
Journalism	Reporting A
Yearbook	Level 1 - Print Media I (A) | Level 2 - Print Media II (A/B) Level 3 - Editing A | Level 4 - Capstone Digital Media + Communications
Digital Media	Level 1 - AV Production (B) | Level 2 - AV Production II (A/B) Level 3 - Editing A/B | Level 4 - Capstone Digital Media + Communications

Communication, Media, Art, and Design Department Pathways



*There are no prerequisites required for IB, but it is strongly recommended that students take at least 2 Visual Arts courses in preparation for IB Visual Art.

Communication, Media, Art, and Design Department Courses

The department of Communication, Media, Art and Design is for students who value project-based learning, creativity and storytelling. Be it writing, broadcasting, multimedia, or the studio arts, our programs emphasize knowledge and real-world experience. Students will tap into passion and unlock potential by enhancing their ability to communicate with others in a variety of ways.

COMMUNICATION COURSES

COMPETITIVE DEBATE LB

Grades: 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credits
Prerequisite: Beginning Debate
Fee: $150/year

This course may be repeated for credit. By selecting this course, you are indicating a desire to join the CT Speech and Debate team. This elective course focuses on research-intensive, formalized debate. This course is co-curricular, and students are required to participate in speech and debate competitions which are held on selected weekdays and Saturdays. The course will prepare students to successfully compete in individual or partner debates. Considerable class time will be used to organize, research, outline, present, and critique debates. Students will review debate theory and apply this theory as they prepare polish and rehearse for competition. Students will gain membership in the National Speech and Debate Association through their participation at required competitions.

COMPETITIVE SPEECH LB

Grades: 9, 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credits
Fee: $150/year

This course may be repeated for credit. By selecting this course, you are indicating a desire to join the CT Speech and Debate team. Speech/Debate is competitive speaking, acting, and debate. This elective course focuses on the first two of those three categories of competitive events. The course is co-curricular, and students are required to participate in speech and debate competitions on selected weekdays and Saturdays. Areas of intensive study include Original Oratory, Informative Speaking, Extemporaneous Speaking, and Interpretation of Literature. Specific event descriptions can be found at https://www.speechanddebate.org/competition-events/. Students will gain membership in the National Speech and Debate Association through their participation at required competitions.

MULTIMEDIA COURSES

AP 2D DESIGN CTE LB W

Grades: 10, 11, 12
Year: 1.0 Fine Arts credit
Prerequisite: Yearbook
Fee: $30 (professional certification)

This course is for students who have expressed an interest in completing the AP 2-D Design Portfolio in Design. Emphasis will be placed on the completion of a volume of student-directed pieces within a specific investigation. Effective visual communication and written skills will be emphasized. There is an expectation that a student will work outside of class time, if needed, to complete the volume of work necessary for the AP 2-D Portfolio. Students will be expected to participate in the portfolio submission in April.

AP 2D ART & DESIGN GRAPHIC DESIGN CTE LB W

Grades: 10, 11, 12
Year: 1.0 Fine Arts credit
Certifications: Adobe Photoshop
Prerequisite: Graphic Design II
Fee: $30 (professional certification)

This course offers high school students an opportunity to explore Visual Arts with a focus on graphic design and the AP 2-D Design Portfolio. Students will create a substantial body of work aligned with College Board requirements, develop personal concentrations, and strengthen visual communication and analysis skills. Portfolio submission in April is required, and work outside class is expected. A course fee covers consumable materials; some additional supplies may be needed.

Communication, Media, Art, and Design Department Courses

CTE INTERNSHIP - IT CTE LB
Grades: 10, 11, 12
Semester: 1.0 Fine Arts/Practical Arts Credit
Prerequisite: Application
Course Type: Alternative Instruction/Work-Based Learning
Grading System: S/US
This course may be repeated for credit.
The internship program provides selected students with hands-on experience in Information Technology (IT) careers. This internship offers meaningful, real-world learning that connects classroom knowledge of hardware, software, networking, cybersecurity, and technical support with authentic application in a professional IT environment. Students will receive training, supervision, and coaching from a CCSD educator while completing tasks that reflect industry expectations.

CTE INTERNSHIP - MULTIMEDIA CTE LB
Grades: 10, 11, 12
Semester: 1.0 Fine Arts/Practical Arts Credit
Prerequisite: Application
Course Type: Alternative Instruction/Work-Based Learning
Grading System: S/US
This course may be repeated for credit.
The internship program provides selected students with hands-on experience in Multimedia and Digital Content Creation careers. This internship connects classroom learning digital design and multimedia with real-world application in a professional creative environment. Students will receive training, supervision, and guidance from a CCSD educator while completing tasks that reflect industry expectations.

DIGITAL ART I CTE
Grades: 9, 10, 11, 12
Semester: 0.5 Fine Arts credit
Certifications: Adobe Photoshop
Fee: $15 (professional certification)
A course for those who want to learn how to paint using the computer. Students will learn a variety of digital painting techniques. Tablets and Photoshop will be the primary means of painting. This course will focus on a foundation of drawing techniques, as well as color theory, identifying and replicating texture materials and drawing/painting a variety of subject matter. We will look at art that is found in CGI, video games, movies, animation and much more. For the beginner or the advanced artist, this course is for everyone.

DIGITAL ART II CTE
Grades: 10, 11, 12
Year: 1.0 Fine Arts credit
Certifications: Adobe
Fee: $25 (professional certification)
This course may be repeated for credit.
A course for students who wish to advance their skills in techniques of drawing, painting, and rendering using Digital media. This course concentrates on 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, and videos. The course competencies and outline follow those set out by the Adobe Certified Associate exam in Visual Communication Using Adobe Photoshop.

DIGITAL MEDIA STUDIES CTE LB
Grades: 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credits
Certifications: Adobe Premiere, Adobe After Effects
Prerequisite: Journalism, Video Production I, Photography, Graphic Design I, Digital Art I
Fee: $30 (professional certification)
This course may be repeated for credit.
As they plan and produce the school news media (CT-TV and CTHSToday.org), students will study journalistic-style storytelling and the basic requirements of investigative reporting. In addition, students will examine the production of all digital media platforms, the history of journalism, and journalistic ethics. Students will be responsible for every aspect of creating a news media platform: reporting, news and editorial writing, interviewing, editing, photography and videography, layout and design, filming, lighting, editing, post-production techniques, advertising design, advertising sales, and positive public relations. Students enrolled in this class will develop mastery in the Adobe Creative Suite, specifically Adobe Premiere, Adobe Photoshop and Adobe After Effects. Students should plan to work periodically after school, evenings, and/or weekends.

Communication, Media, Art, and Design Department Courses

GRAPHIC DESIGN I CTE
Grades: 9, 10, 11, 12
Semester: 0.5 Fine Arts credit
Certifications: Adobe Illustrator
Fee: $15 (professional certification)
This course is designed for students who are interested in learning and exploring design and print production. Students will learn and use Adobe Illustrator and Photoshop to produce professionalquality graphics. Students will gain an understanding of advertising, poster and T-shirt production, photo and text manipulation and digital drawing. Students will also learn the principles of design and how they apply to the art they create.

GRAPHIC DESIGN II CTE
Grades: 10, 11, 12
Year: 1.0 Fine Arts credit
Certifications: Adobe Illustrator
Prerequisite: Graphic Design I
Fee: $25 (professional certification)
This course may be repeated for credit.
This course provides a hands-on, project-based, extended study of graphic design principles and their application to more complex, real-world design problems. Students learn advanced techniques within the Adobe CC Design Suite to gain mastery in creating visual communications with this digital tool. Students will build on prior knowledge of the Adobe programs within this course.

JOURNALISM CTE
Grades: 9, 10, 11, 12
Semester: 0.5 Fine Arts/Practical Arts credits
Fee: $15
This course is designed to introduce students to the process and structure of a publication class. Students will learn the ins and outs of digital photography, digital page layout using Adobe InDesign, and interviewing, copywriting, and copyediting skills. Part of the semester-long course will include an in-depth study of scholastic press law and analysis of the professional media's coverage of current events. As part of this course, students may contribute to one of CT Journalism's student publications: CT-TV, cthstoday.org, and/or The Legend in a limited capacity.

VIDEO PRODUCTION I CTE
Grades: 9, 10, 11, 12
Semester: 0.5 Fine Arts/Practical Arts credits
Fee: $15
Video Production is a course that explores the fascinating world of digital video and television production. Students work in collaborative teams to produce video projects using small cameras while learning the basics of studio and field production, lighting, and sound. Special emphasis is placed on creativity and the writing process. Part of the semester-long course will include an in-depth study of scholastic press law and an analysis of the professional media's coverage of current events. As part of this course, students may contribute to one of CT Journalism's student publications: CT-TV, cthstoday.org, and/or The Legend in a limited capacity.

YEARBOOK CTE LB
Grades: 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credits
Certifications: Adobe InDesign, Adobe Photoshop
Prerequisite: Journalism, Video Production I, Photography, Graphic Design I, or Digital Art I
Fee: $30 (professional certification)
This course may be repeated for credit.
Students will plan and produce the CTHS yearbook, The Legend. Students will be responsible for every aspect of yearbook production including the following: taking photographs and writing captions, planning, and designing layouts, researching, writing copy and headlines, editing, promoting, and distributing the book, and selling advertisements. Meeting deadlines to create the yearbook will often require time not only during class, but also after school, evenings, and/ or on weekends. Students enrolled in this class will develop mastery in the Adobe Creative Suites, specifically Adobe Photoshop and Adobe In-Design.

STUDIO ART COURSES

AP 3D ART & DESIGN LB W
Grades: 10, 11, 12
Year: 1.0 Fine Arts credit
Prerequisite: Ceramics 2 or Sculpture 2
Materials Fee: $60 (design materials)
This course is for students who have expressed an interest in completing the AP 3-D Design Portfolio. Emphasis will be placed on the completion of a volume of student-directed pieces within a sustained investigation. Effective visual communication skills and written skills will be emphasized. There is an expectation that a student will work outside of class time, if needed, to complete the volume of work necessary for the AP 3-D portfolio. Students enrolled in this class will be expected to participate in the portfolio submission in April. The course fee exists to cover the cost of materials and equipment.

AP DRAWING LB W
Grades: 10, 11, 12
Year: 1.0 Fine Arts credit
Prerequisite: Drawing/Painting 2
Materials Fee: $60 (paint/tools)
This course is for students who have expressed an interest in completing the AP Drawing Portfolio or the AP 2-D Design Portfolio. Units are presented in accordance with College Board Exam requirements. Emphasis will be placed on the completion of a volume of student-directed quality pieces. Students will be required to develop their own personal concentrations. Effective visual communication skills, written, and oral analysis skills will be emphasized as well. There is also an expectation that a student will work outside of class time to assist in completing the volume of work necessary for the portfolio. Students enrolled in this class will be expected to participate in the portfolio submission in April. The course fee exists to cover the cost of materials and equipment.

CERAMICS 1
Grades: 9, 10, 11, 12
Semester: 0.5 Fine Arts credit
Materials Fee: $25 (clay/tools)
This course is a hands-on studio class designed for those art students who like to create in clay. Students will create pieces using hand-building techniques such as pinch, slab, and coil. Students will learn to throw and trim ceramic pieces using the potter's wheel. They will be introduced to a variety of ceramic surface treatments including cone 6 reduction glazes, underglazes, and cold finishing techniques. The final for this course is a project designed to combine the conceptual process with the culmination of skills taught throughout the semester.

CERAMICS 2
Grades: 10, 11, 12
Year: 1.0 Fine Arts credit
Prerequisite: Ceramics 1
Materials Fee: $50 (clay/tools)
This course may be repeated for credit.
This course is a continuation of Ceramics 1 with an emphasis on hand-building, wheel throwing, surface treatments, and the development of a digital portfolio. Using hand-building techniques, students will be introduced to mold making and coil building larger than 14 inches. Using the pottery wheel, students will learn to stack ceramic pieces, as well as throw lids for cylinders, and spouts for teapots. Students will engage in slip casting and burnout firing techniques, as well as self-directed ceramic pieces. Students will also continue to develop ceramic surfaces through experimentation with stain washes, saggar firing, decals, mixing their own cone 6 reduction glaze, and glaze testing. The course will focus on historical and contemporary ceramics as a means of cultural and artistic expression. The final will be the presentation and critique of the student's digital portfolio of 3-dimensional artwork.

Communication, Media, Art, and Design Department Courses

DRAWING/PAINTING 1
Grades: 9, 10, 11, 12
Semester: 0.5 Fine Arts credit
Materials Fee: $25 (paint/tools)
This course opens the possibilities of drawing and painting for students to work from observation and imagination. Media covered include, but are not limited to, pencil, colored pencil, pen and ink, acrylic paints, collage, and printmaking. Students are exposed to a variety of artwork, art styles, critical thinking skills, and techniques.

DRAWING/PAINTING 2
Grades: 10, 11, 12
Year: 1.0 Find Arts credit
Prerequisite: Drawing and Painting 1
Materials Fee: $50 (paint/tools)
This course may be repeated for credit.
Students will be introduced to and focus on exploring many new mediums and techniques used in modern contemporary drawing, painting, and printmaking. Media covered include, but are not limited to, acrylic paints, watercolors, pastels, pen and ink, fabric painting, woodburning, and a variety of mixed media techniques. Historical and contemporary artist movements and theories are studied, and techniques are explored. This course develops critical thinking and sharpens visual observations in solving visual problems as well as developing advanced drawing and painting skills.

IB VISUAL ARTS HL1 LB W
Grade: 11
Year: 1.0 Fine Arts credit
Prerequisite: Acceptance to the IB Diploma Program
Materials Fee: $60 (design materials)
This first year of a two-year course, which prepares students for the Higher-Level (HL) Visual Arts exam, is open to International Baccalaureate (IB) Diploma candidates as a sixth subject. Students study art history, art styles, and artwork from international and multi-cultural points of view. Students demonstrate creative thinking skills, explore techniques, and solve visual arts problems through the production of studio work and development of Investigation Workbooks, culminating in a personal art show and oral exam, in which all students are expected to participate, during the last quarter of their senior year. Contact the department coordinator for required summer assignments.

IB VISUAL ARTS HL 2 LB W
Grade: 12
Year: 1.0 Fine Arts credit
Prerequisite: IB Visual Arts HL 1
Materials Fee: $60 (design materials)
Required: Summer Work
This second year of a two-year course, which prepares students for the Higher-Level (HL) Visual Arts exam, is open to International Baccalaureate (IB) Diploma candidates as a sixth subject. Students study art history, art styles, and artwork from international and multi-cultural points of view. Students demonstrate creative thinking skills, explore techniques, and solve visual arts problems through the production of studio work and the development of Investigation Workbooks, culminating in a personal art show and oral exam, in which all students are expected to participate, during the last quarter of their senior year.

IB VISUAL ARTS SL 1 LB W
Grades: 11,12
Year: 1.0 Fine Arts credit
Prerequisite: Acceptance to the IB Diploma Program
Materials Fee: $60 (design materials)
This one-year course, which prepares students for the Standard-Level (SL) Visual Arts exam, is open to International Baccalaureate (IB) Diploma candidates as a sixth subject. Students study art history, art styles, and artwork from international and multi-cultural points of view. Students demonstrate creative thinking skills, explore techniques, and solve visual arts problems through the production of studio work and development of Investigation Workbooks, culminating in a personal art show and oral exam, in which all students are expected to participate, during the last quarter of the year.

Communication, Media, Art, and Design Department Courses

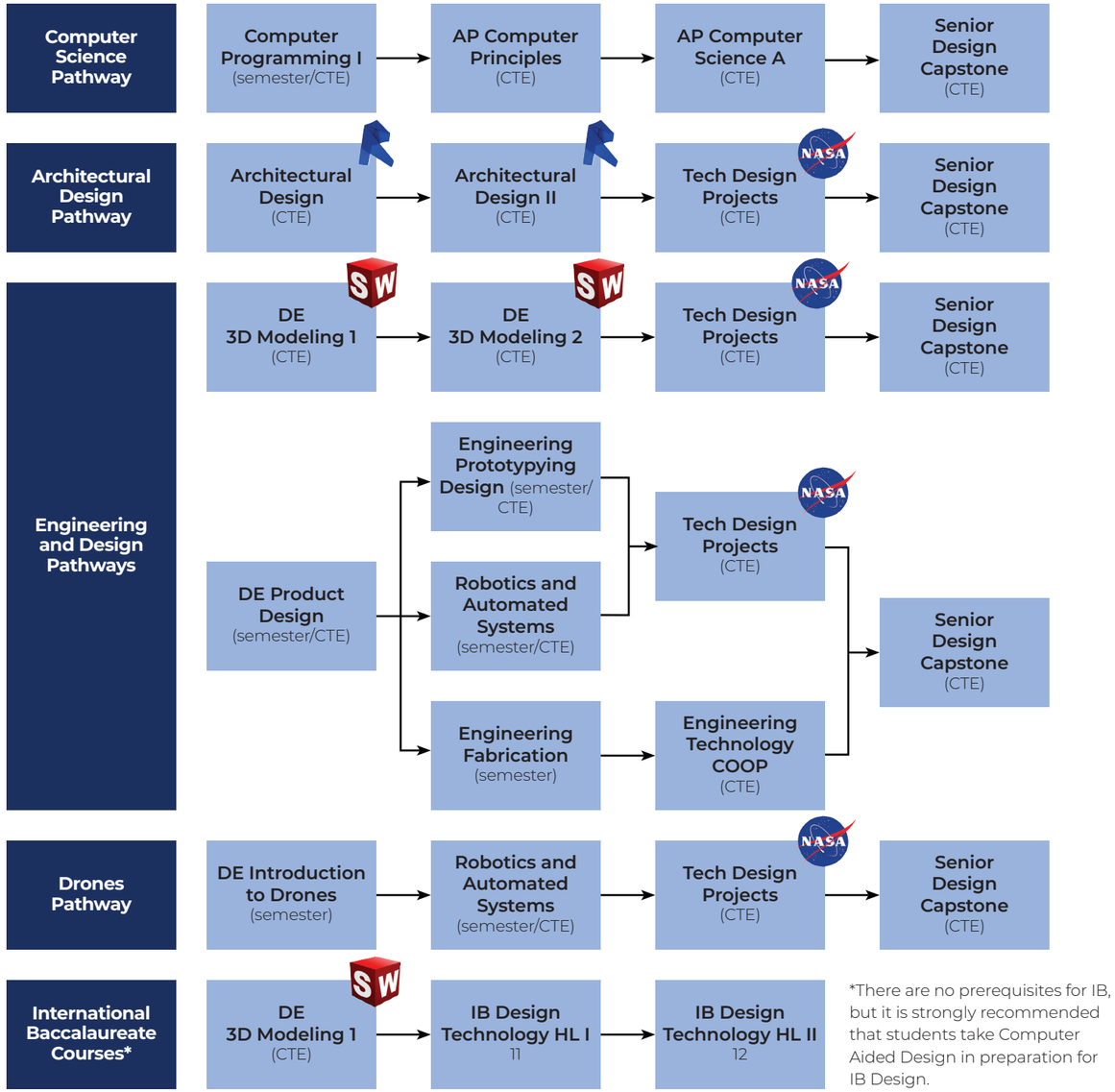
SCULPTURE 1
Grades: 9, 10, 11, 12
Semester: 0.5 Fine Arts credit
Recommended: Previous 3-D art experience
Materials Fee: $25 (design materials)
This course explores the 3-dimensional design principles of sculpture and relief work. Students will learn additive and subtractive techniques. Students will build armatures and experience a variety of materials, such as air-dry clay, glass, papier mâché, plaster, metals, and wire. The final for this course is a project designed to combine the conceptual process with the culmination of skills taught throughout the semester.

SCULPTURE 2
Grades: 10, 11, 12
Year: 1.0 Fine Arts credit
Prerequisite: Sculpture 1
Materials Fee: $50 (design materials)
This course may be repeated for credit.
This course builds upon the skills and techniques learned in Sculpture 1. In addition, students explore non-traditional materials and examine artwork from a historical and cultural perspective. The final for this course will be the presentation and critique of the student's digital portfolio of 3-dimensional artwork.

UNIFIED VISUAL ARTS
Grades: 9 ,10, 11, 12
Semester: 0.5 credit
This course may be repeated for credit.
This class provides an opportunity to earn a visual arts credit while assisting CT students with disabilities engage in variert of art activities. All students will learn about visual arts, inclusion, and valuing differences.

Engineering Department Pathways

The course offerings in the Engineering, Design, and Computer Science Department allow students to explore many areas of interest and encourage ALL students to try as many courses as possible.



*There are no prerequisites for IB, but it is strongly recommended that students take Computer Aided Design in preparation for IB Design.

NASA HUNCH Design and Prototype Program

Industry Certification Available: Autodesk Certified User - Revit

Industry Certification Available: Multiple SOLIDWORKS certifications

Engineering Technologies and Computer Science Department Courses

These courses offer students a variety of experiences that will help them choose and prepare for 21st -century technology careers. Students who take these classes gain skills in innovation and design that are critical for careers such as Engineering, Programming, Architecture, Robotics, and Alternative Energy, as well as high-tech careers that have not yet been invented. Classroom instruction connects to the REAL world of work and future career opportunities.

AP COMPUTER SCIENCE A CTE STEM W

Grades: 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credits
Prerequisite: Computer Programming 1 or AP Computer Science Principles
AP Computer Science A is an introductory, college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. Students are encouraged to join the Technology Student Association (TSA) as leadership activities provide opportunities to make connections among the school, community, and the business world. Emphasis is placed on service, social, and competitive events.

AP COMPUTER SCIENCE PRINCIPLES CTE STEM W

Grades: 9, 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credits
AP Computer Science Principles is an introductory college-level computing course. Students cultivate their understanding of computer science through working with data, collaborating to solve problems, and developing computer programs as they explore concepts like creativity, abstraction, data and information, algorithms, programming, the internet, and the global impact of computing. Students are encouraged to join the Technology Student Association (TSA) as leadership activities provide opportunities to make connections among the school, community, and the business world. Emphasis is placed on service, social and competitive events.

ARCHITECTURAL DESIGN CTE STEM

Grades: 9, 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credits
Fee: $25 (Architectural model supplies)
This course builds advanced skills in architectural engineering and design. Students use CAD software to create house plans that meet city codes, including floor, plot, electrical, foundation, and elevation plans, and construct a model frame house. Emphasis is placed on blueprint reading, real-world applications, and architectural design software. Students are encouraged to join TSA for leadership and competitive opportunities. Industry certification as an Autodesk Certified User in Revit is available.

ARCHITECTURAL DESIGN II CTE STEM

Grades: 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credits
Certificaiton: Autodesk Certified User for Rivet
Fee: $25 (Architectural model supplies)
This course builds on Architectural Design, focusing on complex residential and commercial projects using advanced design software. Students will create construction documents, physical models, and explore designs through Virtual Reality (VR). Topics include 3D rendering, BIM, sustainable design, LEED principles, and interior aesthetics. A professional portfolio and the opportunity to earn Autodesk Revit certification are included. Students are encouraged to join TSA for leadership and competitive experiences.

COMPUTER PROGRAMMING I CTE STEM

Grades: 9, 10, 11, 12
Semester: 0.5 Fine Arts/Practical Arts credits
This course introduces the fundamentals of computer programming, emphasizing standard coding techniques, logic tools, and problem-solving strategies. Students will learn to plan multi-step procedures, write and debug programs, and convert workflow diagrams into coded instructions. TSA membership is encouraged for leadership and competitive opportunities.

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Engineering Technologies and Computer Science Department Courses

DE 3D CAD MODELING 1 CTE STEM

Grades: 9, 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credits
Certificate: CSWA, CSWP
DE: IND 1450 Technical Drawing / 3 credit hours
Dual Enrollment Fees (Optional): $150
Computer Aided Design is an entry-level design class developed to teach students how to use various drawing instruments to read and create technical drawings and 3D parts. This course is designed for students interested in exploring careers related to engineering, product design, and drafting. Student projects will demonstrate skills and software valued in related industries. The course will culminate with students taking the Certified SolidWorks Associate exam, an industry-level certification exam used to demonstrate a student's level of expertise using SolidWorks which focuses on basic computer-aided drafting skills using the SolidWorks software.

DE 3D CAD MODELING 2 CTE STEM

Grades: 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credits
Prerequisite: Computer Aided Design
Certificate: CSWP, CSWPA, CSWE
DE: IND 3660 Computer Aided Modeling / 3 credit hours
Fee: $25 (3D printing/laser cutting supplies)
Dual Enrollment Fees (Optional): $150
Engineering Design is the second in a series of classes offered in mechanical design/engineering. This course allows students to further their skills in design and problem solving. The emphasis of Engineering Design will be on applying and utilizing the design process to develop products, systems, or processes. Students will be responsible for researching, designing, and constructing a prototype using both CADD and/or fabrication. Students are required to join the TSA as leadership activities provide opportunities to make connections between the school, community, and the business world. Emphasis is placed on service to others, social and competitive events. Students enrolled in this class will have the opportunity to obtain multiple SOLIDWORKS industry certifications.

DE ENGINEERING FABRICATION STEM

Grades: 10, 11, 12
Semester: 1.0 Fine Arts/Practical Arts credits
Prerequisite: Engineering Product Design or DE 3d CAD Modeling 1
Fee: $25 (Laser cutting, CNC project supplies)
This course may be repeated for credit.
Students will learn to safely use tools such as 3D printers, laser engravers, CNC mills/routers, and select power tools to design and create personal projects. The course emphasizes manufacturing principles, workplace safety, and hands-on application of academic skills. Students gain insight into industry expectations and career readiness in manufacturing. TSA membership is encouraged for leadership and competitive opportunities.

ENGINEERING PRODUCT DESIGN CTE STEM

Grades: 9, 10, 11, 12
Semester: 0.5 Fine Arts/Practical Arts credits
Certificate: CSWA-AM
Fee: $25 (3D printing, laser cutting, paint supplies)
Designed to introduce students to the STEM cluster for students interested in learning more about careers in engineering and technology. This course covers basic skills required for engineering and technology fields of study. Upon completion of this course, students will be able to identify and explain the steps in the engineering design process. They can evaluate an existing engineering design, use fundamental sketching and engineering drawing techniques, complete simple design projects using the engineering design process, and effectively communicate design solutions to others. Students are encouraged to join the Technology Student Association (TSA) as leadership activities provide opportunities to make connections between the school, community, and the business world. Emphasis is placed on service to others, social and competitive events.

ENGINEERING PROTOTYPING CTE STEM
Grades: 9, 10, 11, 12
Semester: 0.5 Fine Arts/Practical Arts credits Prerequisite: Engineering Product Design
Fee: $25 (3D printing, laser cutting, paint supplies)
The course covers essential knowledge, skills, and concepts required for postsecondary engineering and technology fields of study. Upon completion of this course, proficient students can describe various engineering disciplines, as well as admissions requirements for postsecondary engineering and engineering technology programs in Colorado. Students will participate in various engineering design challenges, including large-scale catapults, designing their own drones to fly through a course and designing their own scale RC car to race in the parking lot. Technology Student Association resources and events are integrated in this upper-level class. Students are required to join the TSA as leadership activities provide opportunities to make connections between the school, community, and the business world. Emphasis is placed on service to others, social and competitive events.

ENGINEERING TECHNOLOGY COOP CTE
Grades: 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credits
Prerequisite: Product Design or IB Design Technologies
This course can be repeated for credit.
Students will work in the Engineering Technologies Fab Lab to produce custom products and learn the business side of a fabrication shop. Skills include order processing, supply chain management, fabrication, fulfillment, customer service, and quality assurance. This course builds technical and employability skills for future careers. TSA membership is encouraged for leadership and competitive opportunities.

IB DESIGN TECHNOLOGY HL I CTE STEM W
Grades: 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credits
Prerequisite: Acceptance to the IB Diploma Program
Fee: $30 (3D printing, laser cutting, paint supplies)
This course focuses on problem-solving through design principles, practical investigation, and theory. Students learn to apply the design cycle to create innovative solutions using available resources, considering social, technological, and environmental factors. No prior experience is required. Emphasis is on adaptability, critical thinking, and developing optimal solutions. Students are encouraged to join TSA for leadership and competitive opportunities.

IB DESIGN TECHNOLOGY HL II CTE STEM W
Grade: 11, 12
Year: 1.0 Fine Arts/Practical Arts credits
Prerequisite: IB Design Technology HL 1
Fee: $30 (supplies to complete IA project)
This course builds on skills from HL I, focusing on advanced design processes to solve real-world problems. Students gather and analyze information, plan interventions, and create innovative solutions while considering social, technological, and environmental factors. TSA membership is encouraged for leadership and competitive opportunities.

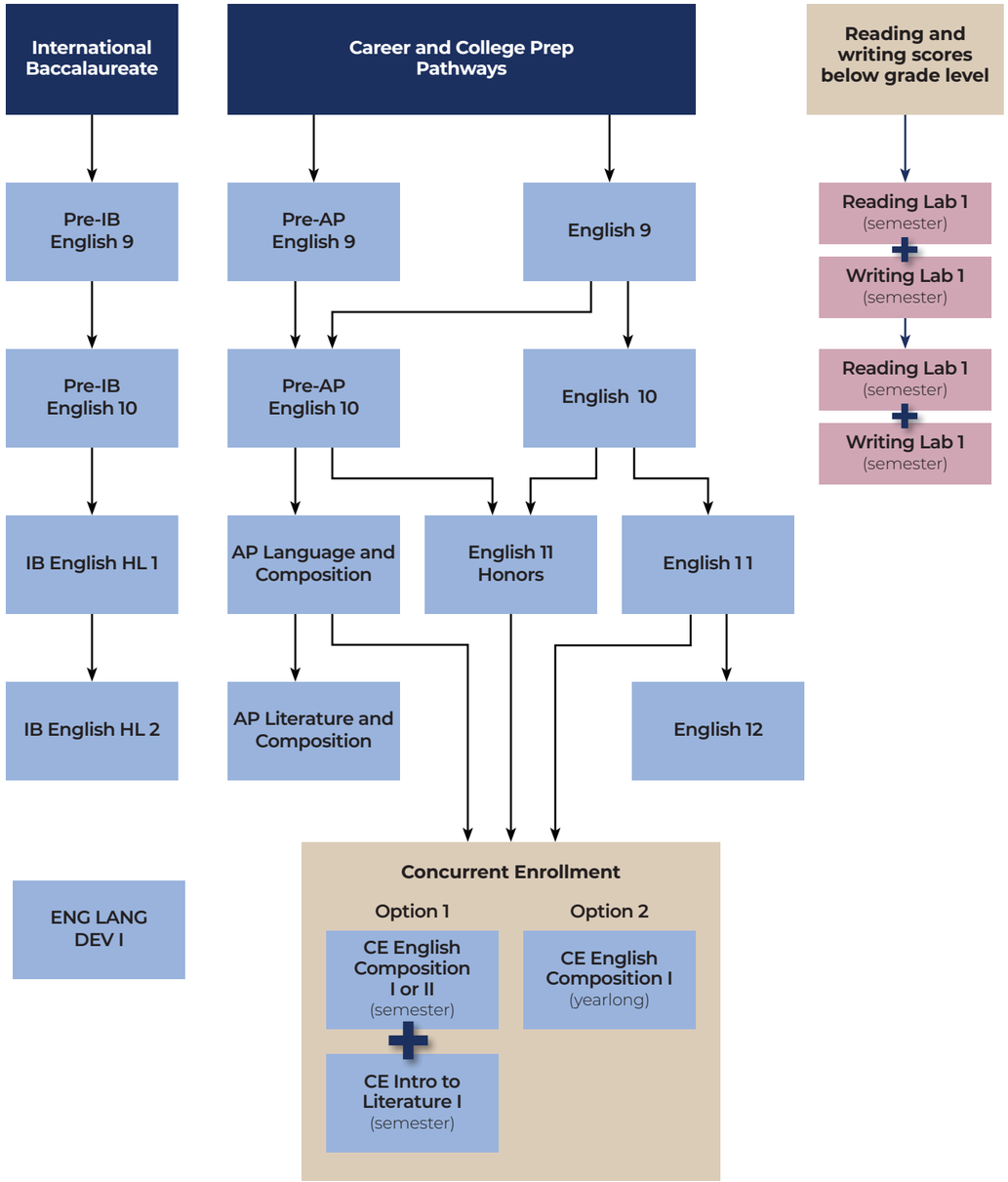
DE INTRODUCTION TO DRONES
Grades: 9, 10, 11, 12
Semester: 0.5 Fine Arts/Practical Arts credits
CE/DE: AES 1040 / 3 credit hours
Certification: FAA Trust Recreational
This course introduces students to the fundamentals of drone operation and safety. Students will begin with flight training on a simulator before progressing to hands-on practice with mini drones in netted environments. They will earn the FAA TRUST recreational certification, explore drone components and regulations, and develop precision flying skills. The course also covers core concepts needed to pass the FAA Part 107 Remote Pilot Exam, preparing students for commercial drone certification.

ROBOTICS & AUTOMATED SYSTEMS CTE STEM
Grades: 9, 10, 11, 12
Semester: 0.5 Fine Arts/Practical Arts credits
Prerequisite: Engineering Technology 1 or Computer Programming 1
This course explores robotics and automation through building, programming, and troubleshooting robotic systems. Students use VEX Robotics to design solutions for challenges like obstacle courses, races, and tug-of-war, while learning sensors, motors, actuators, and the engineering design process. The class includes simulations and competitions aligned with state and national standards. Students gain hands-on experience with automation technologies and ethical practices, and are encouraged to join TSA for leadership and competitive opportunities.

SENIOR DESIGN CAPSTONE: (SEMESTER AND YEARLONG) CTE STEM
Grades: 11, 12
Semester: 0.5 Fine Arts/Practical Arts credits Yearlong: 1.0 Fine Arts/Practical Arts credits
Prerequisite: Teacher approval
Fee: $30 (Capstone project supplies)
Students complete one or more independent projects, documenting work in an engineering notebook or on social media, and presenting at school events. This course emphasizes time management, independent learning, and advanced work in Drafting and Design programs. Projects may include specialized study, project-based learning, or preparation for industry certification. TSA membership is encouraged for leadership and competitive opportunities.events.

TECH DESIGN PROJECTS CTE STEM
Grades: 10, 11, 12
Yearlong: 1.0 Fine Arts/Practical Arts credits
Prerequisite: Teacher approval
Fee: $25 (NASA Hunch or TSA projects)
In this hands-on, collaborative course, students work in teams to design and complete real-world projects that integrate science, technology, engineering, and math. Projects are evaluated by industry professionals and may include participation in prestigious programs such as NASA HUNCH or TSA competitions. This experience allows students to apply classroom knowledge to authentic challenges, develop problem-solving skills, and showcase innovation on a national stage.
Learn more about NASA HUNCH at https://nasahunch.com.

English Language Arts Pathways



English Language Arts Courses

English language arts are central to all learning Through integrated reading, writing, and speaking instruction, students actively construct meaning. As they study literature, both modern and from long ago, written by people from many racial, ethnic, and cultural groups, students grow in their understanding of their own world and the worlds of others. The study of the writing process focuses on content, organization, fluency, word choice, and conventions, so that students may find their own voices.

AP ENGLISH LANGUAGE AND COMPOSITION

NCAA W

Grades: 11, 12

Year: 1.0 English credit

Prerequisite: Pre-AP English 10, Pre-IB English 10, or American Lit Honors

The course is designed for academically motivated students who read and write well above grade level. The course is fundamentally a first-year college composition class. Students will study examples of various kinds of writing: biographies, essays, fiction, and poetry. The writing is analytical and expository, with practice in writing time-limited compositions in class. Students will prepare for the Advanced Placement English Language and Composition exam at the end of the year. Grades are weighted. It is expected that all students enrolled in this class will sit for the May exam. Exam fees apply.

AP ENGLISH LITERATURE AND COMPOSITION

NCAA W

Grade: 12

Year: 1.0 English credit

Prerequisite: American Literature Honors or AP English Language and Composition

This course is designed for accelerated students who wish to prepare for the AP Literature and Composition exam. Students will examine selected works ranging from classics to contemporary works. Students will analyze a work's structure, style, and themes as well as such smaller-scale elements as the use of imagery, symbolism, and tone. Students will strengthen their ability to write literary analysis, reflective essays, and timed compositions. Grades are weighted. It is expected that all students enrolled in this class will sit for the May exam. Exam fees apply.

CE ENGLISH COMPOSITION I NCAA W

Grade: 12

Semester: 0.5 English credit

CE:

Prerequisite: 11th Grade English

**** To receive CE credit, student must have grade waiver or qualifying score (Accuplacer, ACT, AP, SAT)***

This course aligns with the Community College of Aurora course. Eligible students who earn a C or better in the class will receive 3 community college credits. These are guaranteed transfer credits to public colleges and universities in Colorado. This concurrent enrollment-credit course emphasizes the planning, writing, and revising of compositions, including the development of critical and logical thinking skills. This course includes a minimum of five compositions that stress analytical, evaluative, and persuasive/argumentative writing. Students taking semester long CE English Composition I MUST enroll in CE Intro to Literature 115 second semester.

CE ENGLISH COMPOSITION I NCAA W

Grade: 12

Year: 1.0 English credit

Prerequisite: 11th Grade English

**** To receive CE credit, student must have grade waiver or qualifying score (Accuplacer, ACT, AP, SAT)***

This course aligns with the Community College of Aurora. Eligible students who earn a C or better in the class will receive 3 community college credits. These are guaranteed transfer credits to public colleges and universities in Colorado. his concurrent enrollment-credit course emphasizes the planning, writing, and revising of compositions, including the development of critical and logical thinking skills. This course includes a minimum of five compositions that stress analytical, evaluative, and persuasive/argumentative writing.

CE ENGLISH COMPOSITION II NCAA W

Grade: 12

Semester: 0.5 English credit

Prerequisite: 3 or higher on AP Lang Exam or CE English Composition I at another school

**** To receive CE credit, student must have grade waiver or qualifying score (Accuplacer, ACT, AP, SAT)***

This course aligns with the Community College of

Aurora. Eligible students who earn a C or better in the class will receive 3 community college credits. These are guaranteed transfer credits to public colleges and universities in Colorado. This course expands and refines the objectives of CE English Composition I. This course emphasizes critical and logical thinking and reading, problem definition, research strategies, and writing analytical, evaluative, and/or persuasive papers that incorporate research. Students taking semester long CE English Composition II MUST enroll in CE Intro to Literature I.

CE INTRO TO LITERATURE I NCAA W

Grade: 12
Semester: 0.5 English credit
Prerequisite: English Composition I, or English Composition II.
**** To receive CE credit, student must have grade waiver or qualifying score (Accuplacer, ACT, AP, SAT)***
This course aligns with the Community College of Aurora. Students who earn a C or better in the class will receive 3 community college credits. These are guarantee transfer credits to public colleges and universities in Colorado. This concurrent-enrollment credit course introduces students to the fiction, poetry, and drama read at the college-level. The course emphasizes active and responsive reading, literary analysis and critique, and analytical writing.

ENGLISH 9 NCAA

Grade: 9
Year: 1.0 English credit
This course includes reading, oral communication, composition, and study skills. The four major genres – short story, novel, poetry, and drama – are taught with attention to understanding main idea, supporting details, author's purpose, and literary techniques. The composition program includes narrative and expository writing, reinforces usage and grammar skills, and introduces the student to literary analysis. Study skills are reviewed throughout the course and include note taking, text annotation, and media skills. To complement the 9th grade year in social studies, the focus is on World Literature – myths, legends, and modern works.

ENGLISH 10 NCAA

Grade: 10
Year: 1.0 English credit
This course reinforces reading, oral communication, composition, vocabulary, grammar and usage, and research skills. Both fiction and nonfiction are taught within the context of themes. In keeping with the social studies and science department curricula, one focus is to help students understand how science, technology, and economic activity have developed, changed, and affected societies. Students will study persuasion and argumentation through the writing of a 5–7-page research paper.

ENGLISH 11 NCAA

Grade: 11
Year: 1.0 English credit
Prerequisite: English 10
This is a survey course in American Literature. Students will study non-fiction along with drama, short stories, poetry, and novels. By reading a broad variety of American authors, students will gain an increased understanding and appreciation of the American experience. The writing in the course is structured to develop skills for college and includes most of the expository types – narration, description, definition, classification, cause-effect, and argumentation. Vocabulary study and mechanics and usage work are included as well.

ENGLISH 11 HONORS NCAA W

Grade: 11
Year: 1.0 English credit Prerequisite: English 10
This is an English course designed to prepare students for college-level work in their senior year. In addition to studying a variety of genres and authors, students will begin to develop rhetorical analysis skills through their reading and writing. This class is designed for students with a strong work ethic who wish to pursue more rigorous coursework. The writing in the course is structured to develop skills for college and success on timed writing exercises and includes a focus on most of the expository forms. Vocabulary study and mechanics and usage work are included as well. Grades are weighted.

English Language Arts Courses

ENGLISH 12 NCAA

Grade: 12
Year: 1.0 English credit
Prerequisite: Junior-level English
The purpose of the course is to ensure that students meet the college readiness standards as defined by CCSD and CDE graduation requirements in writing and reading. Students enrolled in this class will research, organize, develop, and express their ideas in essays typical of those required in college classes. As part of their development of reading strategies, students will read a variety of fiction and non-fiction pieces. Student choice will be a driving force behind the texts used in this class. Students will also complete portions of the college application process, such as writing their entrance essays, during the fall semester of the course.

IB ENGLISH HL 1 NCAA W

Grade: 11
Year: 1.0 English credit
Prerequisite: Acceptance to the IB Diploma Program
This is the first level of a two-year, in-depth study of both literary and non-literary texts designed to prepare IB candidates for the English A: Language and Literature HL assessments required of the International Baccalaureate program. Students analyze texts for their literary and linguistic excellence, social significance, and personal meaning. Students prepare and present both written and oral commentaries and analyses. They complete the Individual Oral and keep a Learning Portfolio that will later guide the writing of the Higher-Level Essay.

IB ENGLISH HL 2 NCAA W

Grade: 12
Year: 1.0 English credit
Prerequisite: IB English HL 1
This course continues the advanced study of literary and non-literary texts in preparation for the IB HL assessments. Students deepen their analytical skills through written and oral commentaries, complete the Individual Oral, and use their Learning Portfolio to develop the Higher-Level Essay. The course builds on Year 1 and supports students in mastering the skills needed for the final IB examinations

LITERATURE AND COMPOSITION

Semester: 0.5 English credit
Prerequisite: Coordinator Approval
This project-based course builds essential reading, writing, and communication skills aligned with state standards for workplace readiness. Students engage with a variety of literary and informational texts while completing real-world writing tasks, collaborative projects, and presentations. The course emphasizes critical thinking, clear written expression, and practical literacy skills that prepare students for success in both academic and professional settings.

PRE-AP ENGLISH 9 NCAA W

Grade: 9
Year: 1.0 English credit
Prerequisite: Teacher recommendation
Ninth grade students, who read a minimum of two years above grade level, have demonstrated a strong writing ability, and possess a willingness to engage in challenging work, will study World Literature. The focus is similar to English 9, with more rigorous reading and deeper literary analysis. A structured vocabulary program is taught, along with grammar and usage skills. The goal is to prepare students for AP work during junior/senior years.

PRE-AP ENGLISH 10 NCAA W

Grade: 10
Year: 1.0 English credit
Prerequisite: English 9
Students who read a minimum of two years above grade level and possess strong writing skills will continue to develop the skills necessary for success in AP courses by studying a variety of fiction and nonfiction. In addition to literary analysis, students will study types of expository writing: cause-effect, comparison-contrast, definition, argumentation, and more. A research paper is required. Vocabulary and usage study will continue. The goal is to prepare students for AP work during junior/senior years.

English Language Arts Courses

PRE-IB ENGLISH 9 NCAA W
Grade: 9
Year: 1.0 English credit
Prerequisite: Acceptance to IB Diploma program Ninth grade students, who read a minimum of two years above grade level, have demonstrated a strong writing ability, and possess a willingness to engage in challenging work, will study World Literature. The focus is similar to that of English 9, with more rigorous reading and deeper literary analysis. A structured vocabulary program is taught, along with grammar and usage skills. The goal is to prepare students for IB work during junior/senior years. Grades are weighted.

PRE-IB ENGLISH 10 NCAA W
Grade: 10
Year: 1.0 English credit
Prerequisite: Acceptance to the IB Diploma Program
Students who read a minimum of two years above grade level and possess strong writing skills will continue to develop the skills necessary for success in IB courses by studying a variety of fiction and nonfiction. In addition to literary analysis, students will study types of expository writing: cause-effect, comparison -contrast, definition, argumentation, etc. A research paper is required. Vocabulary and usage study will continue. The goal is to prepare students for IB work during junior/senior years. Grades are weighted.

ENGLISH SUPPORT CLASSES

Students who need additional support in English Language Arts or English Aqusition will be enrolled in a support course in addition to the level English course. Students will earn general elective credit for all English support courses. English support courses do not count towards English graduation credit

ENG LANG DEV 1
Grades: 9, 10, 11, 12
Semester: 1.0 English (*max 1.0 of English credit, additional credits will be general elective credit)
Prerequisite: ELA teacher approval
This course may be repeated for credit.
English Language Development 1 is designed to develop and grow the English language proficiency of multilingual learners across the foundational domains of listening, speaking, reading, and writing, using content-specific academic language.

ENG LANG DEV 2
Grades: 9, 10, 11, 12
Semester: 1.0 general elective credit
Prerequisite: ELA teacher approval
This course may be repeated for credit.
English Language Development 2 is designed to develop and grow the English language proficiency of multilingual learners across the foundational domains of listening, speaking, reading, and writing, using content-specific academic language.

NEWCOMER
Grades: 9, 10, 11, 12
Year: 1.0 general elective credit
Prerequisite: ELA teacher approval
This course is intended only for students who's native or first language is not English. The curriculum includes reading skills, vocabulary development, literature, composition, and the development of academic language. Class size and organization permit a highly individualized program. This course runs based on enrollment need. This course will not count as a core year for NCAA clearinghouse.

English Language Arts Support Courses

READING LAB 1
Grade: 9
Semester: 0.5 general elective credit
Prerequisite: Assessment data
Co-requisite: Grade level English
The goal of Reading Lab 1 is to develop the skills of its students so that they can become proficient readers, to approach all texts with confidence, and to find texts that the students enjoy reading. As part of their study, students will learn reading strategies such as questioning the text, making connections, inferencing, and chunking. Students taking this class will also enjoy the benefits of small class sizes.

READING LAB 2
Grade: 10, 11
Semester: 0.5 general elective credit
Prerequisite: Assessment data
Co-requisite: Grade level English
The goal of Reading Lab 2 is to continue the work that students began in Reading Lab 1. The course continues to develop the skills of its students so that they can become proficient readers, to approach all texts with confidence, and to find texts that the students enjoy reading. As part of their study, students will learn reading strategies such as questioning the text, making connections, inferencing, and chunking. Students taking this class will also enjoy the benefits of small class sizes.

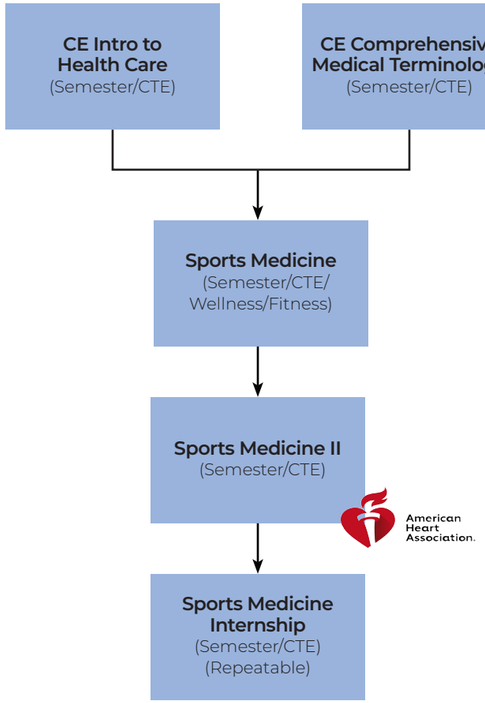
WRITING LAB 1
Grade: 9
Semester: 0.5 general elective credit
Prerequisite: Assessment data
Co-requisite: Grade level English
This class is designed to improve the writing skills of its students and ultimately create students who think positively about themselves as writers. As part of their study, students will receive specific instruction on mechanics, usage, and grammar. Students will also practice all steps of the writing process in the context of a writing workshop. Students taking this class will also enjoy the benefits of small class sizes.

WRITING LAB 2
Grade: 10
Semester: 0.5 general elective credit
Prerequisite: Assessment data
Co-requisite: Grade level English
In Writing Lab 2, students will continue to grow as writers by continuing the work they began in Writing Lab 1. Students will work to improve their writing skills and their impression of themselves as writers. As part of their study, students will receive specific instruction on mechanics, usage, and grammar. Students will practice all steps of the writing process in the context of a writing workshop. Students taking this class will also enjoy the benefits of small class size.

Health Sciences: Sports Medicine Pathway

This Pathway is suggested for any student
who is consideriing the medical field beyond high school.

The Health Science Pathway crosses multiple subjects and disciplines relative to the human body and health science. We encourage students to take courses beyond this pathway to best prepare themselves for future careers.



Health Sciences Department Courses

The Health Science pathway is suggested for any students who are looking to go into the medical field beyond high school. This pathway explores many different occupations in the medical field, while giving students job ready skills, an opportunity to talk with current medical professionals and a great foundation of knowledge for any medial career. The Health Science pathway crosses over multiple subjects and disciplines all relating to the human body and health science. We strongly encourage students to enroll in a variety of courses to prepare them for a Health Science Career.

CE COMPREHENSIVE MEDICAL TERMINOLOGY CTE

Grades: 9, 10, 11, 12
Semester: 0.5 elective credit (Fine Arts/Practical Arts)
Certification: AHA BLS for Healthcare Professional
Fee: $20 (professional certification)
This course introduces the student to the structure of medical terms with emphasis on using and combining the most common prefixes, roots, and suffixes. This includes terms related to major body systems, oncology, psychiatry, as well as clinical laboratory and diagnostic procedures and imaging. The class structure provides accepted pronunciation of terms and relative use in the healthcare setting. Students will also learn professional skills such as resume and cover letter writing along with interview skills.

CE INTRO TO HEALTH CARE CTE

Grades: 9, 10, 11, 12
Semester: 0.5 elective credit (Fine Arts/Practical Arts)
This class introduces health science with an overview of the 5 pathways that make up the health science clusters. The course addresses the foundations of standards including health maintenance, employability skills, teamwork, health care systems, communication, and legal issues in health care.

SPORTS MEDICINE CTE

Grades: 10, 11, 12
Semester: 0.5 elective credit (Wellness/Fitness)
This course provides students with a general overview of the field of sports medicine. It includes students with information about careers; scope of practice; legal and ethical responsibilities; injury prevention, treatment, and management; anatomy and physiology; nutrition; basic taping and wrapping techniques and administrative functions.

SPORTS MEDICINE II CTE

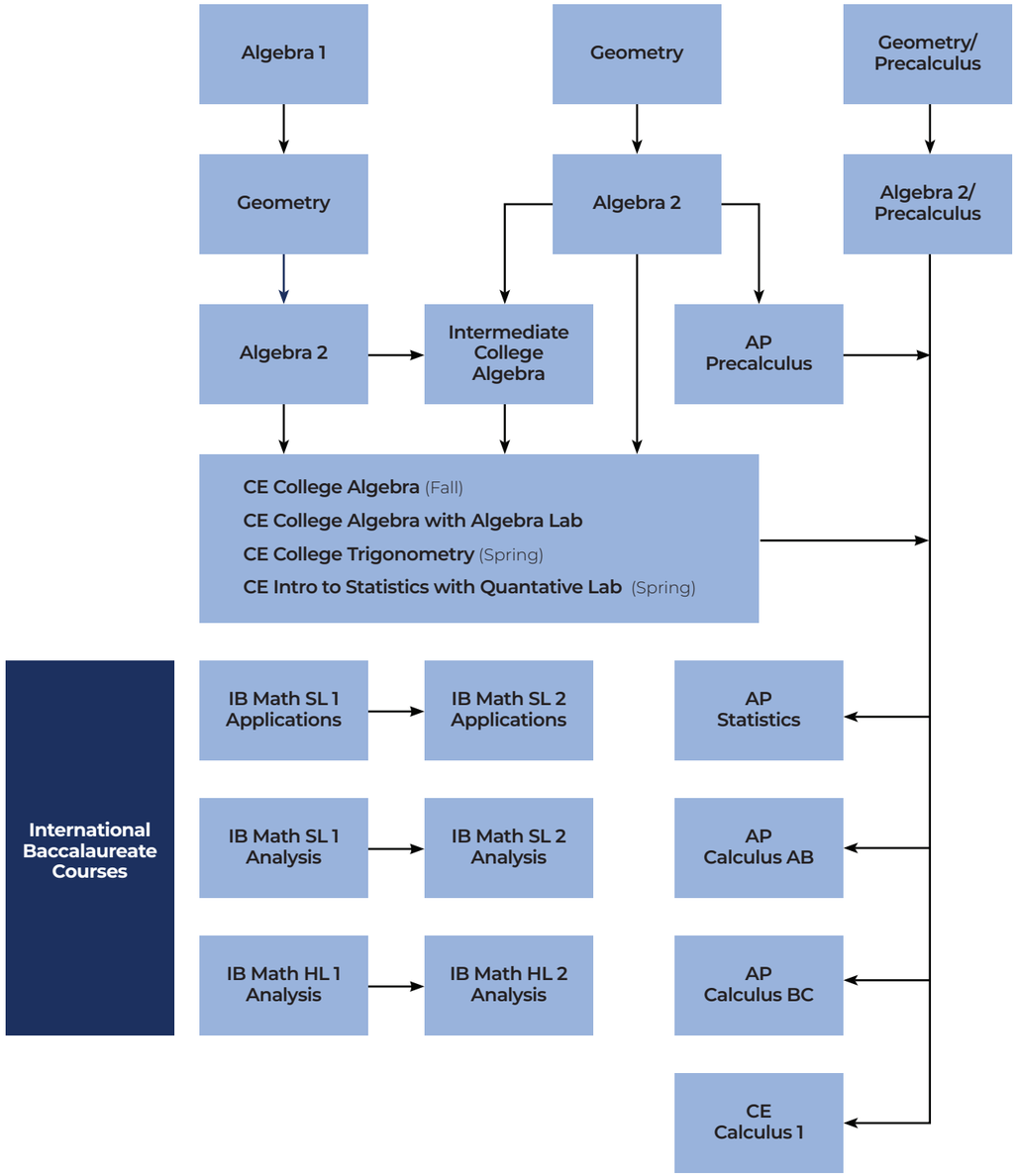
Grades: 11, 12
Semester: 0.5 elective credit (Fine Arts/Practical Arts)
Certification: AHA CPR/AED and First Aid
Fee: $15 (professional certification)
Sports Medicine II is an advanced CTE Health Sciences course for students who have completed foundational sports medicine classes. It builds expertise in injury assessment, treatment, rehabilitation, taping/bracing, emergency response, and administrative duties. Students gain hands-on experience through labs, and-practice scenarios. The course includes American Heart Association CPR and First Aid certification, equipping students for emergency situations.

SPORTS MEDICINE INTERNSHIP CTE

Grades: 11, 12
Semester: 1.0 elective credit (Fine Arts/Practical Arts) for 125 hours
Prerequisite: Sports Medicine II, application
Type: Alternative Instruction/Work-based learning
Grading: S/US
This course may be repeated for credit.
Sports Medicine Internship offers the field and clinical experience to apply the related sports medicine knowledge, skills, and abilities. This is a semester course in which students will receive credit for working alongside the UC Health Athletic Training Staff, at sporting events.

Math Department Pathways

A path for every student can be built based on these courses.
Not every student will follow these pathways exactly.
Please be sure to speak with your counselor, math teacher or math coordinator if you have specific questions.



Math Department Courses

The Mathematics Department recognizes the diverse interests of the student population. In this regard we have organized a multi-path program that may be tailored to meet individual needs. The student's counselor and mathematics teacher will assist the student in designing a mathematics curriculum within or across the paths. All students must complete 3 credits of mathematics to meet graduation requirements. The paths are:

- *College Prep*
- *Calculus HS Condensed*
- *Calculus MS Condensed*
- *Multi-Variable Calculus*

ALGEBRA 1 Semester 1 NCAA

Grade: 10, 11
Year: 1.0 Math credit
Prerequisite: Coordinator Approval
This Algebra 1 Credit Recovery course is designed to support students in meeting Colorado's math graduation requirement of 3.0 credits (this course will allow your student to earn Algebra 1 Semester 1 credit and grade replacement), strengthen foundational Algebra 1 skills, and better prepare students for success in Algebra 2 while working toward meeting Colorado Department of Education (CDE) math graduation competencies.

ALGEBRA 1 Semester 2 NCAA

Grade: 10, 11
Year: 1.0 Math credit
Prerequisite: Coordinator Approval
This Algebra 1 Credit Recovery course is designed to support students in meeting Colorado's math graduation requirement of 3.0 credits (this course will allow your student to earn Algebra 1 Semester 2 credit and grade replacement), strengthen foundational Algebra 1 skills, and better prepare students for success in Algebra 2 while working toward meeting Colorado Department of Education (CDE) math graduation competencies.

ALGEBRA 1 NCAA

Grade: 9, 10, 11, 12
Year: 1.0 Math credit
This course builds on middle school math, focusing on linear, exponential, and quadratic relationships. Students analyze functions in multiple forms, apply linear models to data, and explore sequences and trigonometry. Emphasis is on problem-solving and applying Mathematical Practice Standards.

ALGEBRA 2 NCAA

Grades: 10, 11, 12
Year: 1.0 Math credit
Prerequisite: Geometry
Required: Graphing Calculator
Students expand their understanding of functions to include polynomial, radical, and trigonometric functions, while continuing work with linear, quadratic, and exponential models. Topics include solving complex equations, logarithms, modeling periodic phenomena, and analyzing data with probability and statistics. Emphasis is on multiple representations and real-world applications.

ALGEBRA 2/PRE-CALCULUS HONORS NCAA W

Grades: 10, 11
Year: 1.0 Math credit
Prerequisite: Geometry/Pre-Calculus Honors or teacher recommendation
Required: Graphing Calculator
This rigorous, fast-paced course is designed for students planning to take AP Calculus or pursue STEM careers. It combines all Algebra 2 content with key Pre-Calculus topics, including parametric equations, advanced rational and logarithmic functions, trigonometric functions and identities, and limits. The course emphasizes conceptual understanding, procedural fluency, and application through the Mathematical Practice Standards.

Math Department Courses

AP CALCULUS AB NCAA STEM W

Grades: 11, 12
Year: 1.0 Math credit
Prerequisite: College Algebra and College Trigonometry, Trig/Pre-Calculus Honors, or Algebra 2/ Precalculus Honors
Required: Summer coursework
This course emphasizes a multi-representational approach to calculus, with results and problems being expressed graphically, numerically, analytically, and verbally. Topics include graphs and limits, differentiation, applications of differentiation, integration, and applications of integration. The pace and rigor of instruction will be geared toward preparing students for the AP exam, which they are expected to take in the Spring. Students should expect 1.5 hours of homework per class session and/or teacher led outside-of-class AP study sessions. Summer work for this course can be found on the school website.

AP CALCULUS BC NCAA STEM W

Grades: 11, 12
Year: 1.0 Math credit
Prerequisite: Algebra 2/Pre-Calculus Honors, Trig/Pre-Calc Honors, and teacher recommendation
This is the more rigorous of the two AP calculus courses we offer. Students will learn both the theoretical foundations and proper techniques of both differential and integral calculus and apply them extensively in problem-solving contexts. The pace and rigor of instruction will be geared toward preparing students for the AP exam, which they are expected to take in the Spring. Students should expect 1.5 hours of homework per class session and/or teacher led outside-of-class AP study sessions. Summer work for this course can be found on the school website.

AP PRECALCULUS NCAA W

Grades: 10, 11, 12
Year: 1.0 Math credit
Prerequisite: Algebra 2
Required: Graphing Calculator
This capstone course builds on Algebra, Geometry, and Algebra 2 while preparing students for AP Calculus AB/ BC. Topics include real-world modeling, polynomial, rational, exponential, logarithmic, trigonometric, and polar functions, along with compositions, inverses, and transformations. Students also study limits, vectors, and matrices, using multiple representations to deepen understanding of functions and graphs.

AP STATISTICS NCAA STEM W

Grades: 11, 12
Year: 1.0 Math credit
Prerequisite: Algebra 2
This is an advanced course in statistics. Topics include exploratory analysis of data, planning a study and collection of data, and producing statistical models using probability distributions and statistical inference. The pace and rigor of instruction will be geared toward preparing students for the AP exam, which they are expected to take in the Spring. Exam fees apply. Students should expect 1.5 hours of homework per class session and/or teacher led outside-of-class AP study sessions.

CE COLLEGE ALGEBRA NCAA W

Grades: 12
Semester: 0.5 Math credit
Prerequisite: Algebra 2
Required: Graphing Calculator
To receive CE credit, student must have grade waiver or qualifying score (Accuplacer, ACT, AP, SAT)
This course aligns with the Colorado Community College course and will cover advanced math topics necessary for college success in math or non-math related majors. Topics studied include graphs and applications of linear, quadratic, polynomial, and exponential functions; conic sections probability and statistics; and elementary trigonometry. Topics such as graphing of conic sections, introductions to sequences and series, permutations and combinations, the binomial theorem, and theory of equations will be included.

Math Department Courses

CE COLLEGE ALGEBRA W/ALGEBRA LAB NCAA W

Grades: 12
Year: 1.0 Math credit
Prerequisite: Algebra 2
Required: Graphing Calculator
To receive CE credit, student must have grade waiver or qualifying score (Accuplacer, ACT, AP, SAT)
This course aligns with the Colorado Community College course and will cover advanced math topics necessary for college success in math or non-math related majors. Topics studied include graphs and applications of linear, quadratic, polynomial, and exponential functions; conic sections; probability and statistics; and elementary trigonometry. Topics such as graphing of conic sections, introductions to sequences and series, permutations and combinations, the binomial theorem, and theory of equations will be included.

CE COLLEGE TRIGONOMETRY NCAA W

Grades: 12
Semester: 0.5 Math credit
Prerequisite: CE College Algebra
Required: Graphing Calculator
Must meet minimum scores on Accuplacer, ACT-M, or SAT-M
This course aligns with the Colorado Community College course and includes trigonometric functions (with graphs and inverse functions), identities and equations, solutions of triangles, complex numbers, and other topics as time permits.

CE INTRO TO STATISTICS W/QUANTITATIVE LAB NCAA W

Grade: 12
Semester: 0.5 Math credit
Prerequisite: CE College Algebra
To receive CE credit, student must have grade waiver or qualifying score (Accuplacer, ACT, AP, SAT)
This course aligns with the Colorado Community College course and explores data presentation, probability concepts, distributions, statistical inference, hypothesis testing, population comparisons, correlation, and regression. Students will use statistical software through an active, visual approach and work with real-world data on practical problems.

GEOMETRY NCAA

Grade: 9, 10, 11, 12
Year: 1.0 Math credit
Prerequisite: Algebra 1
This course builds on middle school concepts, focusing on formal geometric reasoning and proofs. Students explore transformations, congruence, similarity, constructions, and trigonometry of right triangles. Work includes two- and three-dimensional figures, coordinate geometry, and applying Mathematical Practice Standards to problem-solving.

GEOMETRY/PRECALCULUS HONORS NCAA W

Grades: 9, 10
Year: 1.0 Math credit
Prerequisite: Algebra 1
Required: Graphing Calculator
This rigorous, fast-paced course combines Geometry with key Pre-Calculus topics to prepare students for AP Calculus and STEM careers. In addition to full Geometry content, students study vectors, trigonometry, parametric and polar equations. Mathematical Practice Standards support conceptual understanding and fluency.

IB MATH SL 1 APPLICATIONS NCAA W

Grade: 10, 11
Year: 1.0 Math credit
Prerequisite: Acceptance to IB program
Required: Graphing Calculator
This course is designed for students who enjoy describing the real world and solving practical problems using mathematics; those who are interested in harnessing the power of technology alongside exploring mathematical models and enjoy the more practical side of mathematics. This course is part of a 2-year curriculum that prepares students to take the IB Mathematics Applications Standard level test in the Spring of the 2nd year.

Math Department Courses

IB MATH SL 2 APPLICATIONS NCAA W
Grades: 11, 12
Year: 1.0 Math credit
Prerequisite: IB Math SL 1 Applications
Required: Graphing Calculator
This course is designed for students who enjoy describing the real world and solving practical problems using mathematics; those who are interested in harnessing the power of technology alongside exploring mathematical models and enjoy the more practical side of mathematics. Students enrolled in this course take the IB Mathematics Applications Standard level test in the Spring.

IB MATH SL 1 ANALYSIS NCAA W
Grades: 10, 11
Year: 1.0 Math credit
Prerequisite: Acceptance to the IB program
Required: Graphing Calculator
This course is intended for students who wish to pursue studies in mathematics at university or subjects that have a large mathematical content; it is for students who enjoy developing mathematical arguments, problem solving and exploring real and abstract applications, with and without technology. This course is part of a 2-year curriculum that prepares students to take the IB Mathematics Analysis Standard level test in the Spring of the 2nd year.

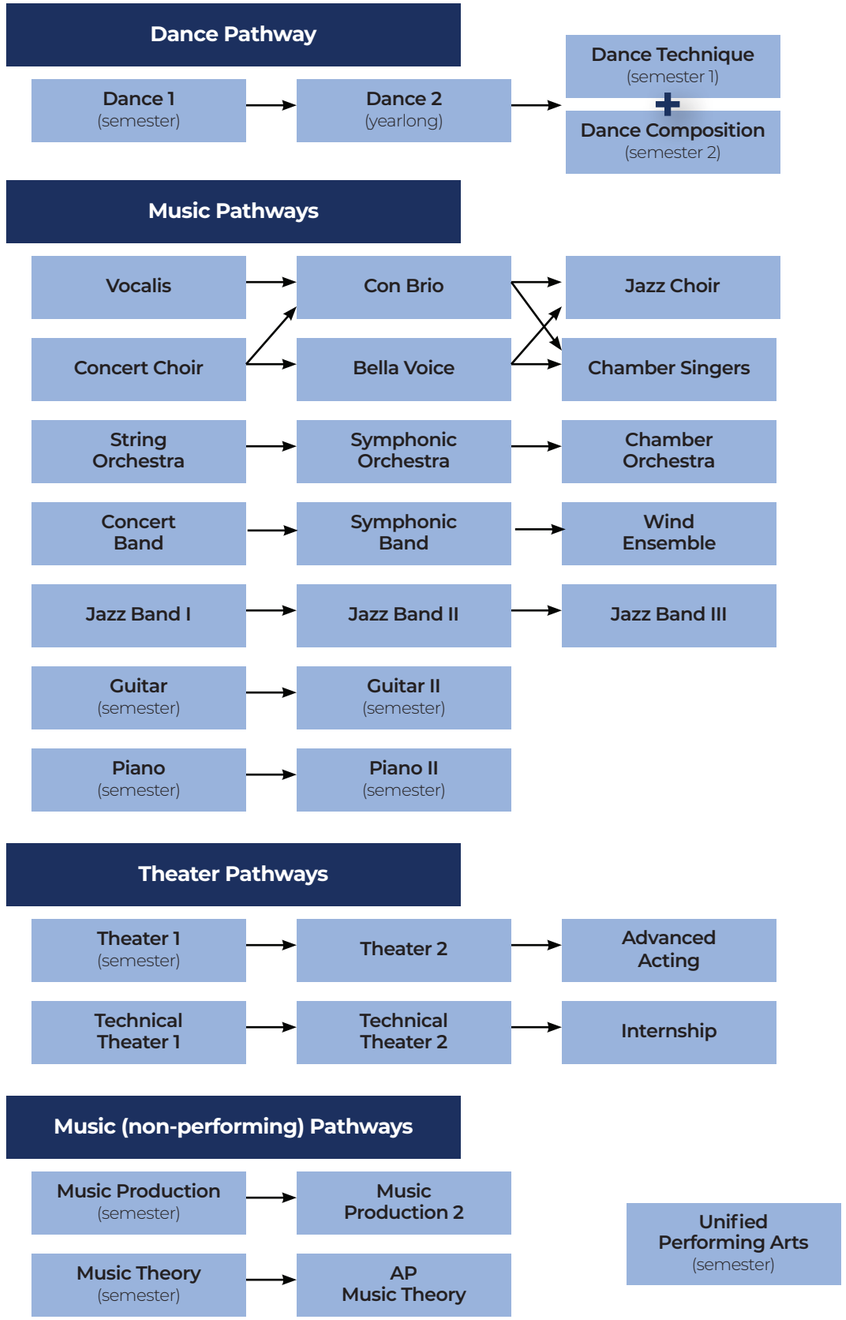
IB MATH SL 2 ANALYSIS NCAA W
Grades: 11, 12
Year: 1.0 Math credit
Prerequisite: IB Math SL 1 Analysis
Required: Graphing Calculator
This course is intended for students who wish to pursue studies in mathematics at university or subjects that have a large mathematical content; it is for students who enjoy developing mathematical arguments, problem-solving, and exploring real and abstract applications, with and without technology. Students enrolled in this course take the IB Mathematics Analysis Standard level test.

IB MATH HL 1 ANALYSIS NCAA W
Grade: 11
Year: 1.0 Math credit
Prerequisite: Acceptance to the IB program
Required: Graphing Calculator
This course is intended for students who wish to pursue studies in mathematics at university or subjects that have a large mathematical content; it is for students who enjoy developing mathematical arguments, problem-solving, and exploring real and abstract applications, with and without technology. This course coincides with AP Calculus BC and is part of a 2-year curriculum that prepares students to take the IB Mathematics Analysis Higher level test in the Spring of the 2nd year.

IB MATH HL 2 ANALYSIS NCAA W
Grade: 12
Year: 1.0 Math credit
Prerequisite: IB Math HL 1 Analysis or AP Calculus BC
Required: Graphing Calculator
This course is intended for students who wish to pursue studies in mathematics at university or subjects that have a large mathematical content; it is for students who enjoy developing mathematical arguments, problem-solving, and exploring real and abstract applications, with and without technology. Students enrolled in this course take IB Mathematics Analysis Higher level test in the Spring.

INTERMEDIATE COLLEGE ALGEBRA*
Grades: 11, 12
Year: 1.0 Math credit
Prerequisite: Algebra 2
Required: Graphing Calculator
This course is a further exploration of the algebra of the real number system with extension into complex numbers. It will emphasize problem-solving with further study of equations, slopes, inequalities, systems of equations, polynomials, quadratic equations, rational expressions, rational exponents, radical expressions, graphing, and applications. The course is designed to prepare students to successfully take a college algebra course. *This class will not count as an additional core year for NCAA Clearinghouse if the student has completed Algebra 2.

Performing Arts Department Pathways



Performing Arts Department Courses

The Performing Arts Department includes vocal and instrumental music, theatre and technical theatre, and dance courses. Students in the Advanced Placement track, Liberal Arts Baccalaureate, or International Baccalaureate programs will find many elective courses in this department. Some courses can be repeated for credit.

All Performing Arts courses count toward the Fine Arts/Practical Arts graduation credit.

Dance Courses

DANCE 1
Grades: 9, 10, 11, 12
Semester: 0.5 Fine Arts or Wellness/Fitness credit
This beginning dance course is designed to expose students to dance as an opportunity for fitness development and as an art form. Students will learn the fundamentals of movement, dance technique, improvisation, anatomy, choreography, performance skills, and dance vocabulary. Hip-hop, jazz, modern, and ballet will be studied in this class. Dance 1 will help the dancer to develop strong collaboration and communication skills. Dance 1 students are required to perform in the Dance Showcase at the end of the semester.

DANCE 2
Grades: 10, 11, 12
Yearlong: 1.0 Fine Arts or Wellness/Fitness credit
Prerequisite: Dance 1
Fee: $40 (uniform)
This course may be repeated for credit.
This beginning-intermediate level dance class will focus on technique development, enhancing performance skills, the application of anatomy and kinesiology to dance, choreography, and combinations. Hip-hop, jazz, ballet, and modern dance will be studied. A beginning approach to dance composition will be utilized to aid the student in creating studies and dances for evaluation. Dance 2 students are required to perform in the Dance Showcase at the end of the semester.

DANCE COMPOSITION LB
Grades: 10, 11, 12
Semester: 0.5 Fine Arts or Wellness/Fitness credit
Prerequisite: Audition
Fee: $80 (uniform)
This course may be repeated for credit.
This is an intermediate-advanced dance course for the student displaying excellent dance technique, exceptional performance skills, and the desire to grow as a dancer. This course will allow the dancer to gain an understanding of choreography principles, dance production, and performance qualities. Jazz, ballet, hip hop, contemporary, and modern dance will be studied and performed. Students must audition and will be placed in the spring. Dance Composition students are required to perform in the Dance Showcase at the end of the semester.

DANCE TECHNIQUE LB
Grades: 10, 11, 12
Semester: 0.5 Fine Arts or Wellness/Fitness credit
Prerequisite: Audition
This course may be repeated for credit.
Dance Technique is designed to improve the intermediate/advanced dancer's technical skills, abilities, and performance quality. The class will focus on strength, intermediate/advanced turn, jump, and leap skill combinations specific to dance team. Intermediate to advanced level dance training is required.

Non-Performance Based Courses

AP MUSIC THEORY LB W
Grades: 11, 12
Year: 1.0 Fine Arts/Practical Arts credit
Prerequisite: Music Theory
**This course will be offered on alternating years with Music Theory.*
The AP Music Theory course focuses on concepts and skills emphasized within introductory college music theory courses, with the goal of helping students become sophisticated and thoughtful music listeners, performers, and composers. Students learn to recognize, understand, describe, and produce the basic elements and processes of performed and notated music. To become proficient with these skills, students will

Performing Arts Department Courses

consistently practice applying course concepts through aural analysis, score analysis, sight-singing, dictation, and composition.

MUSIC PRODUCTION
Grades: 9, 10, 11, 12
Semester: 0.5 Fine Arts/Practical Arts credit
Music Production is a computer-based class in which each student will learn the art of audio recording and music technology and be prepared for a career in the music industry. Students will learn how to use loops, record the voice and a variety of instruments, how to make "beats" and sequence drums, how to use digital effects in the recording process, arranging and songwriting techniques, how to mix and master music tracks like a producer, and how to create musical sounds using synthesis. The focus will be on contemporary pop and electronic music, and students will lear how to use state-of-the-art software programs for music production.

MUSIC PRODUCTION 2
Grades: 10, 11, 12
Yearlong: 1.0 Fine Arts/Practical Arts credit
Prerequisite: Music Production
This course may be repeated for credit.
Music Production 2 is a computer-based class in which each student will learn advanced skills related to the art of audio recording and be prepared for a career in the music industry. Students will expand upon their knowledge of loops, recording techniques, synthesizing beats/drums, expanded audio effects, and creating music with advanced techniques. The course will also cover manipulating MIDI, exploring mixing and mastering, and live audio. Students will learn how to use a professional grade Digital Audio Workstation. A general knowledge of music theory, chords, and rhythms will help students succeed in this class.

MUSIC THEORY
Grades: 9, 10, 11, 12
Semester: 0.5 Fine Arts/Practical Arts credit
Prerequisite: Prior music experience recommended
Introduction to Music Theory is a semester-long class designed to introduce basic music theory skills including intervals, chords, key signatures, scales, ear training, and terminology. This course is for students who are interested in taking AP Music Theory or wish to increase their music knowledge for success in performance-based classes

UNIFIED PERFORMING ARTS
Grades: 9,10, 11, 12
Semester: 0.5 Fine Arts/Practical Arts credit
Prerequisite: Teacher recommendation
This course may be repeated for credit.
Unified Performing Arts is specifically designed for students who benefit from a modified curriculum, with an emphasis on those with special needs. All students will be exposed to basic tenants of the performing arts including theatre, music, movement, and dance. The opportunity for a limited number of student assistants is available through teacher recommendation only.

Vocal and Instrumental Courses

BELLA VOCE
Grades: 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credit
Prerequisite: Audition
Fee: $40-$115 (Uniform)
This course may be repeated for credit.
This is an intermediate auditioned treble voice choir. This choir is for students who show high levels of musicianship, vocal ability, and personal responsibility. The emphasis of this course is to develop vocal and stylistic techniques, sight singing skills, and performance ability within various styles of music. Students will perform in required concerts throughout the year.

CHAMBER SINGERS LB
Grades: 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credit
Prerequisite: Audition
Fee: $40-$115 (Uniform)
This course may be repeated for credit.
This is the advanced treble choir. This course is designed to expand and refine all skills learned in Concert Choir and Con Brio. Students will develop more advanced ensemble techniques, appropriate vocal techniques, sight singing skills, and performance skills. Students

will be exposed to a variety of musical styles. Students will perform in required concerts throughout the year and will have periodic rehearsals, field trips, and performances outside the school day.

CHAMBER ORCHESTRA LB
Grades: 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credit
Prerequisite: Audition
Fee: School-owned instrument $72/year
This course may be repeated for credit.
Chamber Orchestra is the advanced orchestra at CTHS. Open to sophomores, juniors, and seniors by audition only, this auditioned group will explore the music of some of the greatest composers. Instrumentation is limited throughout the ensemble. Extensive practice time is required for this course. Students will perform in required concerts throughout the year. Periodic rehearsals, field trips, and performances will be required outside the school day.

CONCERT CHOIR
Grades: 9, 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credit
This course may be repeated for credit.
This is a non-auditioned treble choir for students without high school choral experience. The emphasis of this course is to offer the student an understanding of choral music and a chance to learn the fundamentals of choral literature, appropriate vocal technique, sight singing skills, and performance skills. Students will perform in required concerts throughout the year and may have periodic rehearsals, field trips, and performances outside the school day. Students need no prior experience in choir to enroll.

CON BRIO LB
Grades: 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credit
Prerequisite: Audition
Fee: $40-$115 (Uniform)
This course may be repeated for credit.
This is an intermediate mixed choir. This choir is for students who show high levels of musicianship, vocal ability, and personal responsibility. The emphasis of this course is to continue to develop advanced vocal techniques, sight singing skills, and performance skills. Students will be exposed to a variety of musical styles and will perform in required concerts throughout the year. Students will have periodic rehearsals, field trips, and performances outside the school day.

CONCERT BAND
Grades: 9, 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credit
Prerequisite: Prior instrument experience
Fee: School-owned instrument $72/year
This course may be repeated for credit.
All students with prior experience playing a wind or percussion instrument are encouraged to enroll in the Concert Band. A wide variety of band music will be explored while continuing to develop musicianship, technique, and theory. Instrumentation is limited within some sections. Students will perform in required concerts throughout the year. Periodic rehearsals, field trips, and performances will be required outside the school day.

GUITAR
Grades: 9, 10, 11, 12
Semester: 0.5 Fine Arts/Practical Arts credit
Required: Own instrument and method book
This is a beginning-level guitar class designed to explore technique, performance, and literature for guitar. Students will learn how to read music in several forms, play chords and melodies, understand the guitar's role in many music styles, and work on performing in a variety of settings.

GUITAR 2
Grades: 9, 10, 11, 12
Semester: 0.5 Fine Arts/Practical Arts credit
Prerequisite: Guitar 1 or teacher approval
Required: Own instrument and method book
This course may be repeated for credit.
This is an intermediate-level guitar class for students with prior guitar experience and is designed to continue student's development in technique, performance, and literature for guitar. Students will engage in advanced techniques covering style, chords, melodies, improvisation, and performance in a variety of settings.

Performing Arts Department Courses

JAZZ BAND 1
Grades: 9, 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credit
Prerequisite: Prior instrument experience, audition required for percussion students
Fee: School-owned instrument $72/year
This course may be repeated for credit.
Jazz Band 1 is the introductory level jazz band at Cherokee Trail. Students will be exposed to jazz music, history, and performance techniques with a heavy emphasis on improvisation and style. This course will prepare students for further study in Jazz Band 2. Students will perform in required concerts throughout the year. Periodic rehearsals, field trips, and performances will be required outside the school day.

JAZZ BAND 2
Grades: 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credit
Prerequisite: Audition
Fee: School-owned instrument $72/year
This course may be repeated for credit.
Jazz Band 2 is the intermediate-level Jazz Band at CTHS. Jazz style, improvisation, listening, and ensemble work will be covered in this course. Instrumentation is limited throughout the ensemble. Students will perform in required concerts throughout the year. Periodic rehearsals, field trips, and performances will be required outside the school day.

JAZZ BAND 3 LB
Grades: 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credit
Prerequisite: Audition
Fee: School-owned instrument $72/year
This course may be repeated for credit.
Jazz Band 3 is the upper-level Jazz Band at CTHS. Jazz style, improvisation, listening, and ensemble work will be covered in this course through the study of high-level literature. Instrumentation is limited throughout the ensemble. Students will perform in required concerts throughout the year. Periodic rehearsals, field trips, and performances will be required outside the school day.

JAZZ CHOIR LB
Grades: 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credit
Prerequisite: Audition
This course may be repeated for credit.
This is a highly select mixed jazz choir. This varsity choir is for students who show high levels of musicianship, vocal ability, and personal responsibility. The emphasis of this course is to continue to develop advanced vocal techniques, sight singing skills, and performance ability within the jazz and pop styles. Students will perform in required concerts throughout the year. Students will have periodic rehearsals, field trips, and performances outside the school day.

PIANO
Grades: 9, 10, 11, 12
Semester: 0.5 Fine Arts/Practical Arts credit
This course may be repeated for credit.
Piano is for students with little or no keyboard experience. Using the electronic piano lab, this class introduces students to music notation, basic music theory, keyboard technique, and musical terminology through the study of basic keyboard literature.

PIANO 2
Grades: 9, 10, 11, 12
Semester: 0.5 Fine Arts/Practical Arts credit
Prerequisite: Piano 1 or Teacher Approval
This course may be repeated for credit.
Piano 2 is an intermediate level piano class designed for students with prior piano experience. Using the electronic piano lab, this class explores advanced keyboard techniques, music notation, and terminology through the study of intermediate and advanced keyboard literature.

STRINGS ORCHESTRA
Grades: 9, 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credit
Prerequisite: Prior instrument experience
Fee: School-owned instrument $72/year
This course may be repeated for credit.
Students with experience playing violin, viola, cello, or bass are encouraged to enroll in this course. String

Orchestra will introduce the students to a wide variety of orchestral and chamber music. Strong musicianship and proper technique will be emphasized. Students will perform in required concerts throughout the year. Periodic rehearsals, field trips, and performances will be required outside the school day. This course may be repeated for credit.

SYMPHONIC BAND

Grades: 10, 11, 12
Year: 1 Credit
Prerequisite: Audition
Fee: School-owned instrument $72/year
This course may be repeated for credit
Open by audition only, this select intermediate ensemble will explore high level band literature and build upon prior skills. The emphasis of this course is to continue to develop advanced instrumental techniques, musicality, and performance ability. Extensive practice time is required for this course. Instrumentation is limited throughout the ensemble. Students will perform in required concerts throughout the year. Periodic rehearsals, field trips, and performances will be required outside the school day.

SYMPHONIC ORCHESTRA

Grades: 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credit
Prerequisite: Audition
Fee: School-owned instrument $72/year
This course may be repeated for credit.
Symphonic Orchestra is an intermediate performance group at CTHS. Open to sophomores, juniors, and seniors by audition only, this ensemble explores a wide variety of orchestral literature. Instrumentation is limited throughout the ensemble. Extensive practice time is required for this course. Students will perform in required concerts throughout the year. Periodic rehearsals, field trips, and performances will be required outside the school day.

VOCALIS

Grades: 9, 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credit
This course may be repeated for credit.
This is a non-auditioned bass voice choir for students without prior high school choral experience. The emphasis of this course is to offer the student an understanding of choral music and to learn the fundamentals of choral literature, appropriate vocal technique, sight singing skills, and performance skills. Students will perform in required concerts throughout the year, and may have periodic rehearsals, field trips, and performances outside the school day. Students need no prior experience in choir to enroll.

WIND ENSEMBLE LB

Grades: 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credit
Prerequisite: Audition
Fee: School-owned instrument $72/year
This course may be repeated for credit.
Open to sophomores, juniors, and seniors by audition only, this select group will explore some of the best concert band literature. Instrumentation is limited throughout the advanced group. Extensive practice time is required for this course. Students will perform in required concerts throughout the year. Periodic rehearsals, field trips, and performances will be required outside the school day.

Theatre Courses

ADVANCED ACTING LB

Grades: 11,12
Year: 1.0 Fine Arts/Practical Arts credit
Prerequisite: Theatre 2
This course may be repeated for credit.
This course is designed to continue to develop the actor's instrument and the actor's technique through exploration and improvisation. It includes practical applications of the craft of acting in the classroom and showcases performances. Students will discover their individual techniques of acting and the process of creating characters within a monologue/scene/play.

Performing Arts Department Courses

INTERNSHIP (Theater Tech)

Grades: 11, 12
Semester: 1.0 Fine Arts Credit/125 hours
Prerequisite: Application
Grading System: S/US
Course Type: Alternative Instruction/Work-Based Learning
This course may be repeated for credit.
The Technical Theater Internship is intended to give selected students the ability to earn school credit for work experience in the world of technical theater. Students will gain firsthand experience in lighting, sound, planning, and production for events hosted at Cherokee Trail. Skills gained through this internship will be directly applicable towards future careers in backstage and front of house theater. Students will be trained and supervised by the work-study teacher and theater managers. Work hours must be scheduled so that they do not interfere with school, i.e., after school and on weekends.

TECHNICAL THEATER 1

Grades: 9, 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credit
Fee: $25 (set design materials)
This course may be repeated for credit.
This course offers students a hands-on opportunity to learn many aspects of stagecraft to produce plays and auditorium events. Students will learn safety, scenery construction, scenic painting, and stage lighting. In addition to classwork, students are required to view one live theatre production outside of the classroom.

TECHNICAL THEATER 2 LB

Grades: 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credit
Prerequisite: Technical Theater 1
Fee: $25 (set design materials)
This course may be repeated for credit.
Technical Theatre 2 offers a continuation of the basics of backstage work. Students will study costume design and construction, sound engineering, stage make-up/special effects, properties, and stage management. Students will expand upon previous knowledge of Technical Theatre 1 to master aspects of stagecraft to produce plays. This course focuses heavily on the design aspects of creating after-school theatrical productions through group collaboration. Students must attend at least two live theatre performances outside of class.

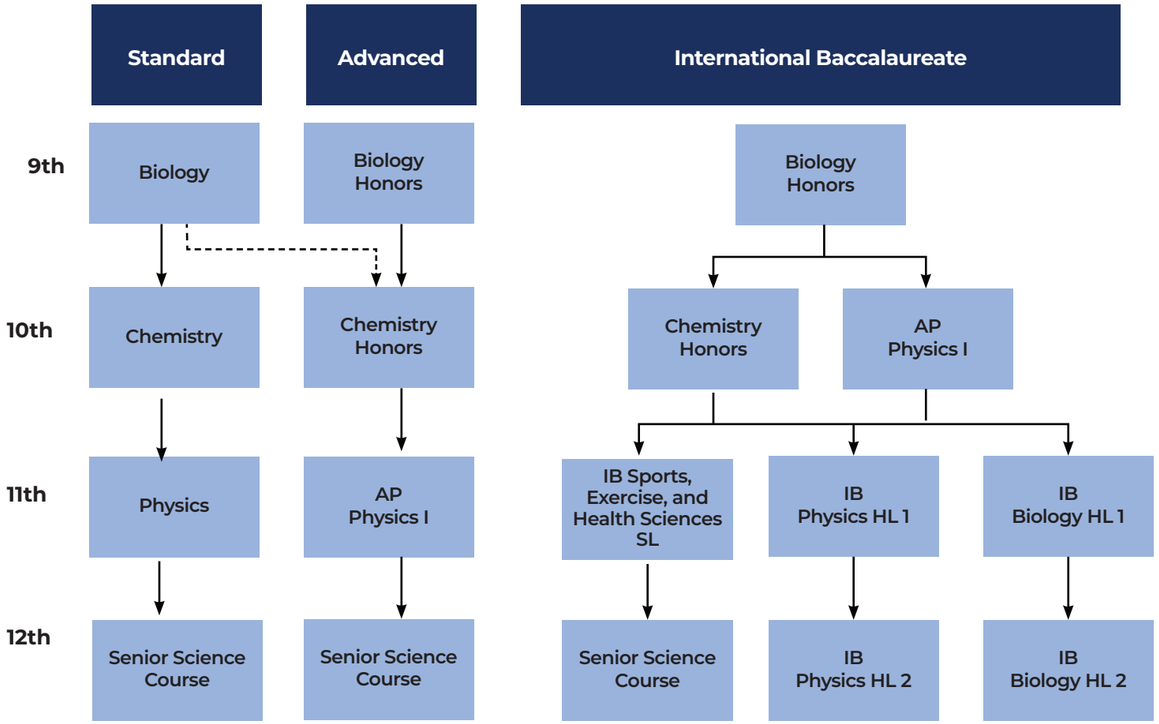
THEATRE 1

Grades: 9, 10, 11, 12
Semester: 0.5 Fine Arts/Practical Arts credit
This course is designed to introduce the student to the craft of acting. The student will learn to approach, prepare, and perform a role through reading, class discussion, improvisational exercises, and performance. In addition, through preparation and improvisation, students will increase their ability to relax in front of an audience and perform with a greater sense of purpose and stage presence. Students are required to view one live theatre performance outside of class.

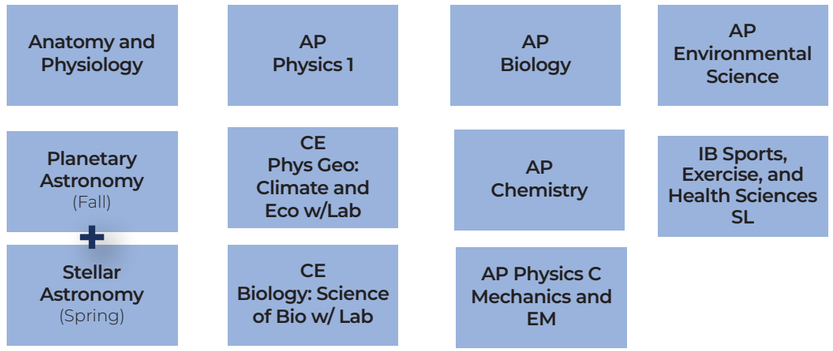
THEATRE 2

Grades: 10, 11, 12
Year: 1.0 Fine Arts/Practical Arts credit
Prerequisite: Theatre 1
This is a year-long course for students who have taken Theatre 1 and are ready to fine-tune their acting skills. Students will better understand themselves as performers through scene and character analysis. Students will participate in daily acting practice, improvisation, and discussion. Performance projects include but are not limited to scene study, monologues, playmaking, improvisation, voice, movement, and auditioning. Students are required to view two live theatre performances outside of class.

Science Department Pathways



Senior Science Courses



Science Department Courses

Science is the human quest for the 'probable truth' of how the universe works. The quest uses inquiry, reasoning, and the careful collection of empirical evidence to 'unweave the rainbow' of consistent patterns that is our natural world. The resulting evidence must be testable, falsifiable and have the power to predict outcomes. The evidence then builds into a scientific theory, the summit of scientific understanding of the underlying mechanisms of the natural world. Both a creative analytical process and a body of knowledge, science is an international evolutionary endeavor of bold promise and of responsibility in how it is used. The teaching and learning of science should honor these tenets.

ANATOMY & PHYSIOLOGY NCAA

Grade: 12
Year: 1.0 Science credit
Prerequisite: Biology, Chemistry
Anatomy and Physiology is designed for students with an interest in the human body and/or health sciences. This course starts with a basic overview of cells and their components, as well as a review of the chemistry necessary to properly understand how cells and parts of the human body function. Students will study the organ system in great depth, including structure, shape, function, and relationship to other systems. This course involves a mixture of lecture, lab work, and dissection. Students must be able to do dissections in this class.

AP BIOLOGY NCAA STEM W

Grade: 12
Year: 1.0 Science credit
Prerequisite: Biology, Chemistry
(or concurrent enrollment with a chemistry course)
AP Biology is designed to be the equivalent of an introductory college biology course and follows the College Board AP Biology curriculum. Units of study include the chemistry of life, cells, cellular energetics, heredity, molecular genetics, evolutionary biology, and ecology. This course differs significantly from a typical high school class in both laboratory work and the time and effort required outside of class. All students are expected to sit for the May exam, and exam fees apply. Students should expect 2 or more hours of homework per class session.

AP CHEMISTRY NCAA STEM W

Grades: 10, 11, 12
Year: 1.0 Science credit
Prerequisite: Biology Honors, Algebra 2, Chemistry Honors
AP Chemistry is the equivalent of an introductory college chemistry course and follows the College Board AP Chemistry curriculum. Topics include atomic structure, bonding, nuclear chemistry, states of matter, solutions, reaction types, stoichiometry, equilibrium, kinetics, thermodynamics, and descriptive chemistry. The course requires significantly more laboratory work and out-of-class effort than a typical high school class. All students are expected to take the AP exam in May, and exam fees apply. Students should plan for at least one hour of homework per class session plus teacher-led study sessions

AP ENVIRONMENTAL SCIENCE NCAA STEM W

Grade: 12
Year: 1.0 Science credit
Prerequisite: Biology, Chemistry
AP Environmental Science is the equivalent of an introductory college course and follows the College Board AP Environmental Science curriculum. Topics include Earth science, the atmosphere, water resources, soil dynamics, ecosystem structure and energy flow, ecosystem diversity and change, and major biogeochemical cycles. The course requires more extensive lab work and out-of-class effort than a typical high school class. All students are expected to take the AP exam in May, and exam fees apply.

AP PHYSICS 1 NCAA STEM W

Grades: 10, 11, 12
Year: 1.0 Science credit
Prerequisite: Biology Honors, Chemistry Honors
AP Physics 1: Algebra-Based is equivalent to a first-semester college physics course, covering Newtonian mechanics, rotational dynamics, angular momentum, work, energy, power, simple harmonic motion, and fluids. The course requires more extensive lab work and out-of-class effort than a typical high school class. All students are expected to take the AP exam in May, and exam fees apply. Depending on score

and college policies, students may earn up to 5 college credits. Students should plan for about one hour of homework per class session plus teacher-led AP study sessions.

AP PHYSICS C (Mechanics & EM) NCAA STEM W
Grades: 12
Year: 1.0 Science credit
Prerequistes: AP Physics 1 and AP Calculus AB or BC (or co-requisite of AP Calculus AB or BC)
AP Physics C is a calculus-based, college-level physics course intended for students pursuing science or engineering. The course emphasizes solving challenging problems using basic and intermediate calculus and covers Newtonian mechanics, rotational motion, gravitation, simple harmonic motion, electrostatics, electric circuits, magnetism, and electromagnetism. Its depth and pace require strong backgrounds in physics and math. Students are expected to take both the AP Mechanics and AP E&M exams, and exam fees apply. The course also demands significantly more laboratory work and time outside of class than a typical high school course.

BIOLOGY NCAA
Grade: 9
Year: 1.0 Science credit
In this class, students will explore relationships between structure and function in organisms and the interaction of cells and organisms with each other and their environments. Units of study will include ecology, chemistry of life, cellular structure and function, genetics, evolution, classification, and human systems. Laboratory activities reinforce concepts and principles presented.

BIOLOGY HONORS NCAA W
Grade: 9
Year: 1.0 Science credit
In this course, students explore how structure relates to function in organisms and how cells and organisms interact with each other and their environments. Units include ecology, chemistry of life, cellular structure and function, genetics, evolution, classification, and human systems. Laboratory activities reinforce major concepts. The course covers the same topics as regular biology but in greater depth and at an accelerated pace, preparing students for AP, IB, CE, or selective university pathways.

CE BIOLOGY: SCIENCE OF BIO w/ LAB NCAA W
Grade: 12
Yearlong: 1.0 Science credit
Prerequisites: Biology, Chemistry or Physics
To receive CE credit, student must have grade waiver or qualifying score (Accuplacer, ACT, AP, SAT)
This course aligns with Colorado Community College. Examines the basis of biology in the modern world and surveys the current knowledge and conceptual framework of the discipline. Biology as a science-process of gaining new knowledge-is explored as is the impact of biological science on society.

CE PHYS GEO: CLIM & ECO W/LAB NCAA W
Grade: 12
Year: 1.0 Science credit
To receive CE credit, student must have grade waiver or qualifying score (Accuplacer, ACT, AP, SAT)
This course aligns with Colorado Community College. his course introduces the principles of meteorology, climatology, oceanography, world vegetation patterns, and world regional climate classification. The course is conducted through an integrated process of lectures, discussions, and laboratory assignments.

CHEMISTRY NCAA
Grade: 10, 11
Year: 1.0 Science credit
Prerequisite: Biology and Algebra 1
Chemistry explores how matter is structured, how it changes, and how those changes affect the world around us. Students engage in scientific investigations, develop models, and use data to explain chemical phenomena related to everyday life and the environment. By the end of the course, students build a strong foundation in chemical concepts while developing critical thinking, problem-solving, and scientific communication skills essential for future science learning and informed decision-making.

CHEMISTRY HONORS NCAA W
Grade: 10
Year: 1.0 Science credit
Prerequisite: Biology Honors
Chemistry Honors builds on the foundations of chemistry while engaging students in deeper analysis and more complex problem solving. This course emphasizes explaining chemical phenomena through data-driven investigations, quantitative reasoning, and scientific modeling. Compared to Chemistry, the honors course moves at a faster pace and requires greater independence, precision, and mathematical reasoning. By the end of the course, students develop a strong conceptual understanding of chemistry along with advanced critical thinking and scientific communication skills that prepare them for upper-level science courses.

IB BIOLOGY HL 1 NCAA STEM W
Grade: 11
Year: 1.0 Science credit
Prerequisite: Acceptance to the IB Diploma Program
IB Biology is a fast-paced laboratory science course which emphasizes the unifying concepts of biology. The first year focuses on statistics, biochemistry, cells and cell processes, genetics, evolution, and classification. Scientific investigation and original lab work will also be emphasized. This university level course requires a heavy reading load and intensive study. Students are expected to take IB Bio HL 2 in 12th grade.

IB BIOLOGY HL 2 NCAA STEM W
Grade: 12
Year: 1.0 Science credit
Prerequisite: IB Biology HL 1
Topics from the first year are expanded and the focus is on ecology and conservation, human health and physiology, and neurobiology and behavior. Scientific investigation and original lab work will also be emphasized. This university level course requires a heavy reading load and intensive study. Students will be prepared to take the Biology HL exam. Students interested in a medical career should consider concurrent registration in IB Chemistry or taking Chemistry Honors sometime during the 10-12th grade years.

IB PHYSICS HL 1 NCAA STEM W
Grade: 11
Year: 1.0 Science credit
Prerequisite: Acceptance to the IB Diploma Program
This class is a lab-based survey investigation of the physical world from Newtonian mechanics through the beginnings of 20th-century understanding of the atom. A quarter of course time is devoted to practical work, where students gain direct experience with the ideas and processes of physics. This is a math-intensive course, not just for pre-engineering students, but for any IB student looking to do well in college. Students will be prepared for the IB Physics HL exams.

IB PHYSICS HL 2 NCAA STEM W
Grade: 12
Year: 1.0 Science credit
Prerequisite: IB Physics HL 1
This is a continuation of IB Physics 1. Topics expand on earlier ones with the addition of two options. At least a quarter of course time is devoted to practical work, where students gain direct experience with the ideas and processes of physics. This is a math-intensive course, not just for pre-engineering students, but for any IB student looking to do well in college. Students will be prepared for the IB Physics HL exams.

IB SPORTS, EXERCISE AND HEALTH SCIENCES NCAA STEM W
Grades: 11, 12
Year: 1.0 Science credit
Prerequisite: Biology Honors and Chemistry Honors
This course is open to non-IB seniors based on availability. It involves the study of the science that underpins physical performance and incorporates anatomy and physiology, biomechanics, psychology, and nutrition. Students cover a range of topics and conduct practical investigations in both laboratory and field settings. This provides an opportunity to acquire the knowledge needed to apply scientific principles and critically analyze human performance in sports and exercise science. The course also addresses international issues and ethics by considering sport, exercise, and health relative to the individual in a global context.context.

Science Department Courses

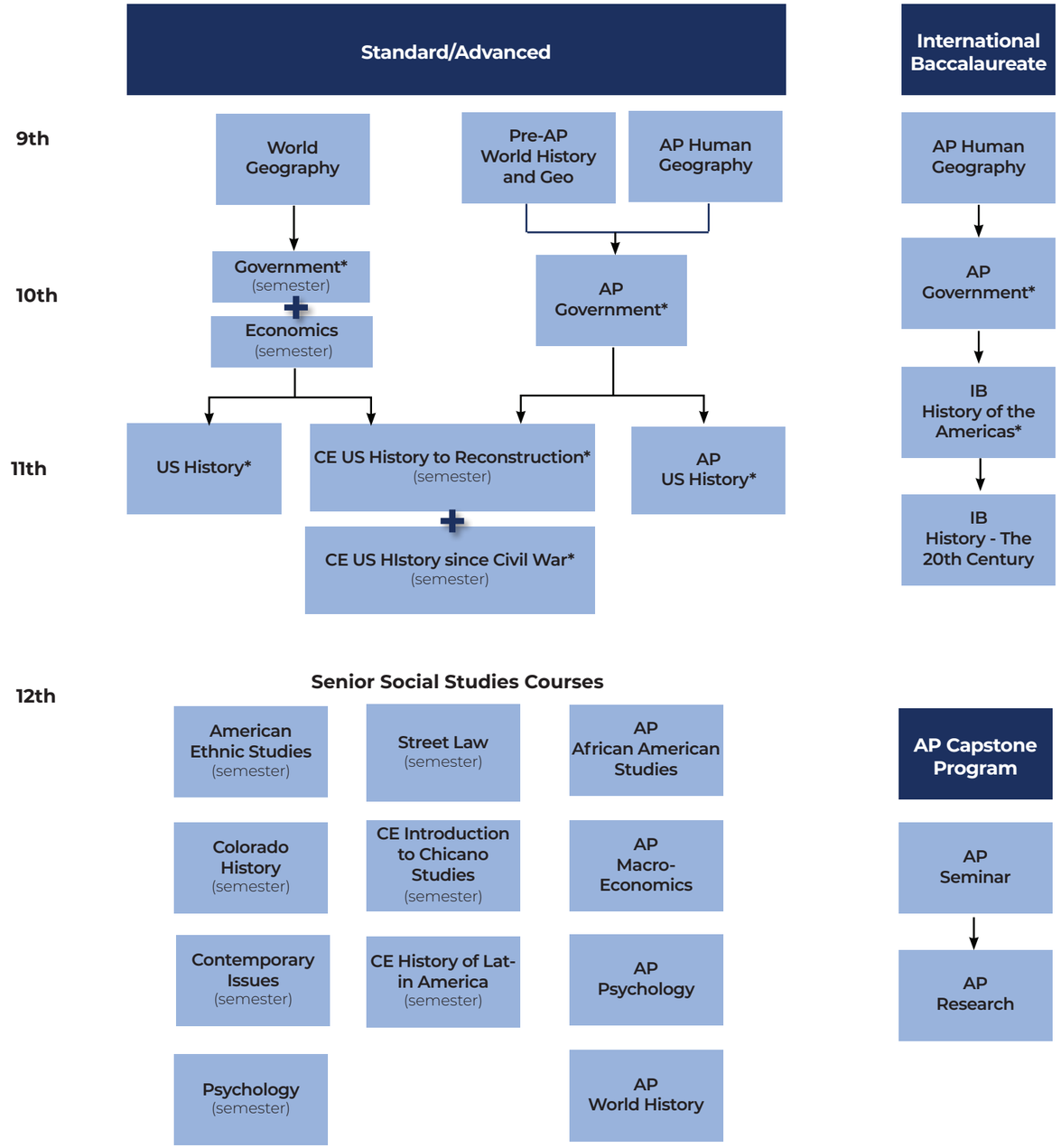
PHYSICAL SCIENCE NCAA*
Grade: 10
Year: 1.0 Science credit
Prerequisite: coordinator approval
Physical Science introduces students to core ideas in chemistry and physics through hands-on, phenomenon-based investigations. The course builds essential scientific skills, observing, analyzing data, developing models, and using evidence to explain natural phenomena. Students explore key concepts related to matter, energy, forces, and motion with an emphasis on real-world applications. Designed to strengthen readiness for future chemistry and physics courses, Physical Science provides a strong conceptual foundation while developing critical thinking, problem-solving, and scientific literacy

PHYSICS NCAA
Grade: 11, 12
Year: 1.0 Science credit
Prerequisite: Biology and Chemistry
This course uses mathematical applications and conceptual principles to help students understand the physical laws of our universe. Units of study include forces, motion, energy, light, waves, electricity, magnetism, and astronomy. Laboratory work and the principles of algebra and trigonometry serve to promote understanding and illustrate the experimental and mathematical nature of physics.

PLANETARY ASTRONOMY NCAA
Grade: 12
Semester: 0.5 Science credit
Prerequisite: Biology, Chemistry or Physics
Students will explore the properties and characteristics of the Earth, Moon, and Sun. We will discover how ancient astronomers studied our universe and mapped the sky. We will also study the planets and their recent discoveries. All levels of seniors are welcome to take this course.

STELLAR ASTRONOMY NCAA
Grade: 12
Semester: 0.5 Science credit
Prerequisite: Biology, Chemistry or Physics
Students will explore how we use light and telescopes to study the stars, galaxies, and universe. We will go beyond our solar system to study topics such as the size of the universe, a star's life cycle, constellations, the origin of the universe, and more. All levels of seniors are welcome to take this course.

Social Studies Department Pathways



Social Studies Department Courses

Social studies pursue the questions of who we are, why we are the way we are, and how the world works. Embedded in the social sciences of history, geography, political science, and economics are lessons about human nature and the human condition, with sober reflection on the shortcomings and an appreciation of the noblest achievements. Social studies investigate what choices we have, as individuals, as a society, and as a world. In its essence, social studies are about life. Social studies will help young people develop the ability to make informed and reasonable decisions for the public good as citizens of a culturally diverse, democratic society in an interdependent world.

AMERICAN ETHNIC STUDIES NCAA

Grade: 12
Semester: 0.5 Social Studies credit
This course is designed to teach United States history through the lens of power and oppression. The primary areas of focus are race, ethnicity, class, gender, and sexual orientation. The content in this class is meant to get students thinking critically about the myths and legends related to the history of the United States. The curriculum will be focused on primary sources allowing students to engage with stories of people whose voices have been historically silenced. In this class, students will be expected to think critically, engage in productive conversations, read, and analyze various texts, and create both expository and persuasive writing.

AP AFRICAN AMERICAN STUDIES NCAA W

Grade: 11, 12
Year: 1.0 Social Studies credit
This is an interdisciplinary course that examines the diversity of African American experiences through direct encounters with authentic and varied sources. Students explore key topics that extend from early African kingdoms to ongoing challenges and achievements of the contemporary movement. Given the interdisciplinary character of African American Studies, students will develop skills across multiple fields, with an emphasis on developing historical, literacy, visual, and data analysis skills. The course foregrounds a study of diversity of Black communities in the United States within the broader context of African and African diaspora.

AP HUMAN GEOGRAPHY NCAA W

Grade: 9
Year: 1.0 Social Studies credit
Recommended: Concurrent enrollment in Pre-AP English 9 or Pre-IB English 9
This course includes Holocaust and Genocide Studies (HB-1336).
This class is a systematic study of patterns and processes that have shaped human understanding, use, and alteration of the earth's surface. Students study the nature and perspective of geography, population factors, cultural patterns and processes, the political organization of states, rural and agricultural land use, industrialization and economic development, and urbanization. They employ spatial concepts and landscape analysis to study human organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. Students are expected to take the AP Geography examination in the spring. Exam fees apply.

AP MACROECONOMICS NCAA W

Grade: 12
Year: 1.0 Social Studies credit
AP Macroeconomics is an introductory college-level course that focuses on the principles that apply to an economic system. The course places emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. Students are expected to take the AP Macroeconomics examination in the spring. Exam fees apply.

AP PSYCHOLOGY NCAA W

Grade: 12
Year: 1.0 Social Studies credit
This college-level course introduces students to the scientific study of behavior and mental processes, covering major psychological subfields and the research methods used in the discipline. It is structured to prepare students for the AP Psychology exam, which may lead

Social Studies Department Courses

to college credit or advanced placement. The course requires strong reading, writing, and organizational skills, as well as a high level of self-motivation. All students are expected to take the May exam, and exam fees apply. Students should plan for about 1.5 hours of homework per class session plus teacher-led AP study sessions outside of class.

AP RESEARCH NCAA W

Grades: 11, 12
Year: 1.0 Social Studies credit
Prerequisite: AP Seminar and a passing score (3 or higher) on at least two AP exams
AP Campstone Program Year 2: AP Research allows students to design and conduct a yearlong investigation on a topic of personal interest. Building on skills from AP Seminar, students learn research methodology, ethical practices, and synthesis of information. The course culminates in a 4,000–5,000 word academic paper, an accompanying product or performance (where applicable), and an oral defense.

AP SEMINAR NCAA W

Grades: 10, 11
Year: 1.0 Social Studies credit
Prerequisite: Passing score (3 or higher) on at least one AP exam
AP Capstone Program Year 1: AP Seminar is a foundational course that develops critical thinking, research, and communication skills. Students explore complex academic and real-world issues through multiple perspectives, analyze diverse sources, and synthesize information into evidence-based arguments. The course emphasizes inquiry, writing, and collaborative and individual presentations.

AP U.S. GOVERNMENT AND POLITICS NCAA W

Grade: 10
Year: 1.0 Social Studies credit
Recommended: Concurrent enrollment in Pre-AP English 10 or Pre-IB English 10
****This course fulfills the HB 25-1192 Financial Literacy graduation requirement.***
This college-level course provides an analytical perspective on U.S. government and politics. Students will study general concepts used to interpret political processes and analyze specific case studies, while gaining familiarity with institutions, groups, beliefs, and ideas that shape U.S. political reality. Strong reading, writing, and organizational skills, along with self-motivation, are essential. The course prepares students for the AP U.S. Government and Politics exam, which all enrolled students are expected to take in May (exam fees apply). Students should anticipate approximately 1.5 hours of homework per class session and participate in teacher-led AP study sessions outside of class.

AP U.S. HISTORY NCAA W

Grade: 11
Year: 1.0 Social Studies credit
Recommended: Concurrent enrollment in CE English or AP English
This course fulfills the State of Colorado's one-year U.S. History requirement.
This college-level course examines the American experience from colonial times to the present. Students will develop historical thinking skills through rigorous reading, writing, and analysis. Strong organizational skills and self-motivation are essential. The course prepares students for the AP U.S. History exam. Success may earn college credit or advanced placement. All students are expected to take the May exam (exam fees apply). Students should anticipate approximately 1.5 hours of homework per class session and participate in teacher-led AP study sessions outside of class.

AP WORLD HISTORY NCAA W

Grade: 12
Year: 1.0 Social Studies credit
Recommended: Concurrent enrollment in CE English or AP English
This college-level course explores societies past and present, focusing on the evolution of global processes and interactions among cultures throughout world history. Students will examine diversity and commonalities across civilizations, make cross-cultural comparisons, and analyze historical contributions. The course is structured to prepare students for the AP World History exam. Strong reading, writing, and organizational skills are recommended. All enrolled

students are expected to take the May exam (exam fees apply). Students should anticipate approximately 1.5 hours of homework per class session and participate in teacher-led AP study sessions outside of class.

CE HISTORY OF LATIN AMERICA NCAA W

Grade: 12
Semester: 0.5 Social Studies credit
To receive CE credit, student must have grade waiver or qualifying score (Accuplacer, ACT, AP, SAT)
This course examines the political, economic, social, and cultural forces that have shaped Latin America from pre-European conquest to the present. While emphasizing early history, it draws clear connections to contemporary issues. Students will develop and strengthen historical thinking skills by analyzing diverse narratives through lenses such as gender, class, religion, and ethnicity.

CE INTRODUCTION TO CHICANO STUDIES NCAA W

Grade: 12
Semester: 0.5 Social Studies credit
To receive CE credit, student must have grade waiver or qualifying score (Accuplacer, ACT, AP, SAT)
This course introduces students to skill development in multicultural education, with a focus on Chicano history and culture. Topics include migration and labor, education, law, and cultural identity. Students will examine the historical and contemporary experiences of Mexican-Americans in the Borderlands, the U.S. Southwest, and Colorado, from the origins of Mexican culture through the Treaty of Guadalupe Hidalgo to the present day.

CE US HISTORY TO RECONST NCAA W

Grade: 11
Semester: 0.5 Social Studies credit
To receive CE credit, student must have grade waiver or qualifying score (Accuplacer, ACT, AP, SAT)
This course aligns with the Colorado Community College course. These course surveys events, trends, people, groups, cultures, ideas, and institutions in North American and United States history, including the multiple perspectives of gender, class, and ethnicity, between the period when Native American Indians were the sole inhabitants of North America and the American Civil War. A principal focus of this course is on developing, practicing, and strengthening the skills historians use while constructing knowledge in the discipline. This course is one of the Statewide Guaranteed Transfer courses: GT-HI1. Students taking CE US History to Reconst must also enroll in CE US History since Civil War.

CE US HISTORY SINCE CIVIL WAR CE NCAA W

Grade: 11
Semester: 0.5 Social Studies credit
To receive CE credit, student must have grade waiver or qualifying score (Accuplacer, ACT, AP, SAT)
This course aligns with the Colorado Community College course. This class explores events, trends, people, groups, cultures, ideas, and institutions in United States History, including the multiple perspectives of gender, class, and ethnicity, between the period of the American Civil War and the present. It focuses on developing, practicing, and strengthening the skills historians use while constructing knowledge in the discipline. This course is one of the Statewide Guaranteed Transfer courses: GT-HI1. Students are required by CCA to write a research paper worth 20% of their final grade for both CE courses. Resources and rigor are equivalent to a community college history survey course.

COLORADO HISTORY NCAA

Grade: 12
Semester: 0.5 Social Studies credit
Colorado History is a comprehensive study of the state of Colorado. Topics covered will include geographic underpinnings, exploration and conquest, mountain men, settlement and pioneer life, native populations, mining, economic and political developments, urbanization, civil rights and social movements, exploitation and preservation of the environment, and recent trends of the 21st century. This course is designed to fit the academic needs and backgrounds of students with a variety of learning styles. Resources such as primary source readings, fieldwork, GIS, and other technical data will be used. Students will gain insights into the diversity and continual development of Colorado, realizing their relation to Colorado's history.

Social Studies Department Courses

CONTEMPORARY ISSUES NCAA

Grade: 12
Semester: 0.5 Social Studies credit
Contemporary Issues will give students the opportunity to become aware of and then scrutinize current and unfolding developments in our world. Current news events will be woven into themes of politics, economics, sociology, foreign affairs, technology, and culture. There will be special attention paid to the skills of nonfiction reading, expository writing, speaking, and oral presentation.

ECONOMICS NCAA

Grade: 10
Semester: 0.5 Social Studies credit
This course fulfills the HB 25-1192 Financial Literacy graduation requirement.
This introductory course surveys key economic concepts such as scarcity, choice, opportunity cost, incentives, and production. Students explore Microeconomics—addressing what to produce, how to produce, and for whom—and Macroeconomics topics including GDP, fiscal and monetary policy, banking, and international trade. The course also integrates personal financial literacy to prepare students for real-world financial decisions.

GOVERNMENT* NCAA

Grade: 10
Semester: 0.5 Social Studies credit
This course fulfills the requirement of one semester of government as established by the State of Colorado.
This course introduces the principles of American government, its structure, and its functions. Students learn how government operates, how to access and influence it at all levels, and the role of non-governmental actors. Through case studies and problem-solving activities, students apply political concepts, analyze historical and contemporary issues, and develop critical thinking skills to make informed civic decisions.

IB HISTORY OF THE AMERICAS* NCAA W

Grade: 11
Year: 1.0 Social Studies credit
Prerequisite: Acceptance to the IB Diploma Program
This course fulfills the requirement of one year of U.S. History as established by the State of Colorado.
IB History of the Americas is a comparative study of the Western Hemisphere with primary emphasis on the United States, while integrating Canadian and Latin American history. Key themes include geographic context, political evolution, foreign policy, economic development, and social dimensions such as civil rights. Students analyze historical events from multiple perspectives using diverse sources, explore theories and concepts from various political and socio-economic systems, and develop an appreciation for cultural diversity and differing viewpoints.

IB HISTORY - THE 20th CENTURY NCAA W

Grade: 12
Year: 1.0 Social Studies credit
Prerequisite: IB History of the Americas
The Twentieth Century is the second year of the two-year IB Higher Level (HL) History Program at CTHS. Complementing the History of the Americas in the junior year, this senior-level class will focus on the IB Prescribed Subject (3) of the Cold War. Within that context, two twentieth-century world topics will be the causes, practices, and effects of war (topic 1) and the rise and fall of single-party states (topic 3). Students will complete an internal assessment project during their first semester and prepare for the end-of-the-year IB external assessments.

Social Studies Department Courses

PRE-AP WORLD HISTORY AND GEOGRAPHY
NCAA W
Grade: 9
Year: 1.0 Social Studies credit
Recommended: Concurrent enrollment in Pre-AP English 9 or Pre-IB English 10
This course includes Holocaust and Genocide Studies (HB-1336).
Pre-AP World History and Geography is designed as a disciplinary apprenticeship in which students engage in the process of discovery. The course examines the structures and forces that shape regions, communities, governments, economies, and cultures, helping students build a meaningful understanding of time and space. The curriculum includes seven units: four geography units in the first semester and three world history units covering the period from 1750 to 2005 in the second semester.

PSYCHOLOGY NCAA
Grade: 12
Semester: 0.5 Social Studies credit
Psychology is the study of human behavior. In this course, students will learn about the basic principles of psychology including the following topics: history of psychology, biological bases of behavior, sensation, perception, consciousness, learning, memory, language and thought, intelligence, motivation, emotion, human development, personality, stress and coping, psychological disorders, and social behavior. In addition to being applicable in their everyday lives, Psychology will provide students with a foundation for further study in the field. Note: Sensitive subject matter will be covered in this class.

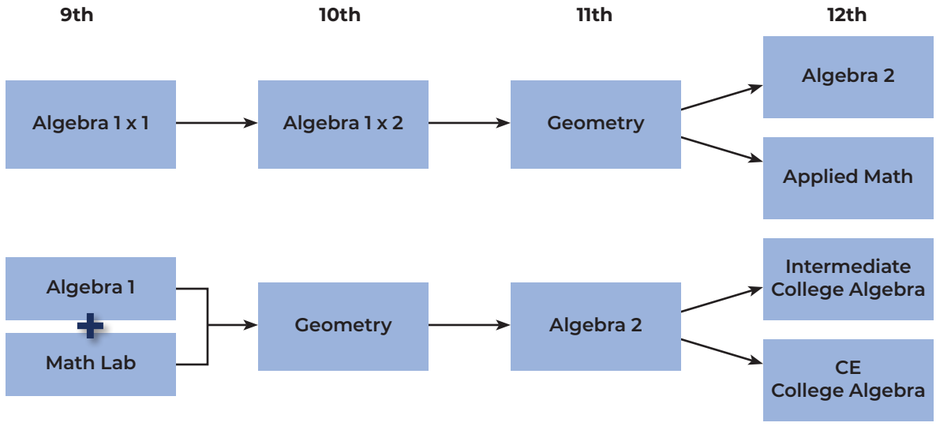
STREET LAW NCAA
Grade: 12
Semester: 0.5 Social Studies credit
This is a practical law class that emphasizes the law and the legal system that will be of use to students in their everyday lives. Topics covered include constitutional law, criminal law and juvenile justice, torts, consumer and housing law, family law, and issues in the community such as hate speech, obscenity, search and seizure, and students' rights. The curriculum includes case studies, moot court, role plays, and scored discussions.

U.S. HISTORY* NCAA
Grade: 11
Year: 1.0 Social Studies credit
This course fulfills the requirement of one year of U.S. History as established by the State of Colorado.
Focusing on the 19th and 20th centuries, this course helps students understand how the U.S. developed its current domestic and international status. Students will build chronological awareness, analyze causes and effects, examine key events and figures, and apply historical inquiry to evaluate major episodes in U.S. history.

WORLD GEOGRAPHY NCAA
Grade: 9
Year: 1.0 Social Studies credit
This class is a systematic study of patterns and processes that have shaped human understanding, use and alteration of the earth's surface. Students study the nature and perspective of geography, population factors, cultural patterns and processes, the political organization of states, rural and agricultural land use, industrialization and economic development and urbanization. They employ spatial concepts and landscape analysis to study human organization and its environmental consequences in the world. They also learn about the methods and tools geographers use in their science and practice. This course includes Holocaust and Genocide Studies (HB-1336).

Student Achievement Services (SAS) Department Pathways and Courses

Math Classes



Other Special Education Support Classes

- Reading Foundations
- Academic Support Lab (semester)
- Affective Ed
- Affective Support Lab

Integrated Learning Community (ILC) Courses

- ILC English
- ILC Community
- Unified Visual Arts (semester)
- ILC Math
- ACE Career Dev. Foundations (semester)
- Unified PE (semester)
- ILC Science
- PWR I - ACE Success Foundations (semester)
- Unified Performing Arts (semester)
- ILC Social Studies
- ACE Career Dev Applications (semester)
- ILC Support Lab (semester)
- ACE Financial Literacy
- WE I - ACE in School WBL (semester)
- Unified Digital Media (semester)

Student Achievement Services (SAS) Department Courses

Cherokee Trail's Student Achievement Services (SAS) will provide services in the "least restrictive environment" for the individual student's needs. Each student's IEP (Individualized Education Plan) will be used to direct the placement and needed accommodations/modifications to support success. Students will register for classes based on needs determined via the IEP. Eligibility for SAS is determined after research-based interventions have been tried and the responses to those interventions evaluated. A team composed of parents, students and professionals from SAS and regular education make the determination of the handicapping condition, the needs, and suitable interventions. If a student has a current Individual Education Plan (IEP), he/she is automatically eligible for any of the following classes if the student's IEP specifies the need. Several academic mainstream courses will be co-taught. Co-taught courses provide a Student Achievement Services instructor in the class to help accommodate or make necessary modifications for students with an IEP. It also will provide a smaller pupil-to-teacher ratio.

ACADEMIC SUPPORT LAB
Grades: 9, 10, 11, 12
Year: 1.0 elective credit
Prerequisite: IEP and coordinator approval
This course may be repeated for credit.
This course is for students who can be successful in academic coursework in mainstream classes. The Academic Support Lab offers academic coaching and tutoring on organization and self-determination, adult guidance, and academic structure in support of mainstream coursework.

AFFECTIVE ED
Grades: 9, 10, 11, 12
Year: 1.0 elective credit
Prerequisite: IEP and coordinator approval
This course may be repeated for credit.
Affective Education is designed for students with affective needs. The course will offer opportunities for skill development in the areas of coping skills, anger management skills, intra, and interpersonal skills, communication skills, assertiveness training, stress management, and opportunities for academic support. The course also offers a small pupil-to-teacher ratio, utilizing a behavior management program to possibly include positive behavior support, point sheets, and/ or a level system. This course may be taken more than once for credit.

AFFECTIVE SUPPORT LAB
Grades: 9, 10, 11, 12
Year: 1.0 elective credit
Prerequisite: IEP and coordinator approval
This course may be repeated for credit.
This course is for students who can be successful in academic coursework in mainstream classes. The Affective Support Lab offers affective coaching, adult guidance, and academic structure in support of mainstream coursework. This course may be taken more than once for credit.

ALGEBRA* 1x1
Grade: 9
Year: 1.0 Math credit
Prerequisite: IEP and coordinator approval
This course will count as 0.5 core for the NCAA clearinghouse if the student has an active IEP.
This course is part of a 2-year sequence with Algebra 1x2, to cover the Algebra 1 standards at a slower pace. The course is designed for students who have typically struggled in mathematics and are in significant need of remediation. Students will explore functions, graphing, and writing equations of linear equations, sequences, and systems of equations, as well as a constant spiraling of Math 8 topics for students to grow in their fluency and fundamental algebra skills. These topics include integers, basic operations, statistics, and the cartesian coordinate system.

ALBEBRA* 1X2
Grade: 10
Year: 1.0 Math credit
Prerequisite: Algebra 1x1
This course will count as 0.5 core for the NCAA clearinghouse if the student has an active IEP.
This course is a part of a 2-year sequence with Algebra 1x1, to cover the Algebra 1 standards at a slower pace. The course is designed for students who have typically

Student Achievement Services (SAS) Department Courses

struggled in mathematics and are in significant need of remediation. The two main topics covered are quadratic and exponential functions, including graphing, writing equations, applications, and solving. Connections will continually be made about the similarities and differences between the three types of functions covered in the Algebra 1 standards: linear, quadratic, and exponential functions. Topics for Algebra 1x1 will continue to be spiraled and reviewed, including solving linear equations, systems of equations, and sequences.

APPLIED MATHEMATICS*
Grades: 12
Year: 1.0 Math credit
Prerequisite: IEP and coordinator approval
This course will not count as a core year for the NCAA clearinghouse.
Students will be focused on mathematical and graphing literacy and the application of Algebra and Geometry standards to the real world increasing mathematical fluency. Significant time will be spent on understanding the math being used in the real world through an analysis of mathematical representations used in websites, in the news, and in printed media. Students will learn how to analyze information and use their mathematical understanding to describe the information that is provided, and the validity of the data represented.

FOUNDATIONS OF READING
Grades: 9, 10, 11, 12
Year: 1.0 elective credit
Prerequisite: IEP and coordinator approval
This course may be repeated for credit.
This course offers a strong emphasis on reading remediation including basic decoding skills, fluency, vocabulary, comprehension, and language usage. Students whose decoding skills are significantly below grade level should be considered for this class.

MATH LAB
Year: 1.0 elective credit
Prerequisite: IEP and coordinator approval
Co-requisite: Algebra 1
The goal of Math Lab is to develop the Algebra skills of students who need more support. Aligned in tandem with their Algebra 1 class students will be able to work on skills needed to be successful in their Algebra 1 class, using different strategies and alternative perspectives. Algebra 1 teachers work closely with the Math Lab teachers to make meaningful and important connections to their work in Algebra 1. Math Lab is a support class and receives elective credits.

Integrated Learning Community (ILC) Courses

ACE CAREER DEV APPLICATIONS CTE
Grades: 9, 10, 11, 12
Semester: 0.5 elective credit
This course may be repeated for credit.
As developmentally appropriate, this course is designed to help students create an initial career plan outlining the steps needed to reach their career goals. Students will identify a career goal using results from assessments such as interest surveys, aptitude evaluations, academic skill inventories, learning style profiles, and work-preference tools. They will also investigate the training and educational requirements—including academic planning and postsecondary options—related to their chosen field. Students should be able to articulate the short-term actions necessary to achieve their goals, including intentional academic planning, informed high school course choices, career exploration, and postsecondary aspirations.

ACE CAREER DEV FOUNDATIONS CTE
Grades: 9, 10, 11, 12
Semester: 0.5 elective credit
This course may be repeated for credit.
As developmentally appropriate, this course (or series of courses) is designed to teach skills needed for entry into the workforce. Students will demonstrate successful job search strategies. Students will demonstrate employability skill ability to accurately complete job applications, write a resume ask for letters of recommendation. Students will examine model interviews and then participate in their own interview simulations. Students will be able to advocate for accommodations or adaptations necessary to be successful on the job. Students will be knowledgeable of the environmental expectations of the workplace. Additionally, students will be introduced

to personal financial literacy skills including: financial planning, budgeting, saving, credit, paycheck calculation, and taxes. Students practice appropriate communication, teamwork, problem-solving while working in a group environment.

ACE FINANCIAL LITERACY CTE

Grades: 9, 10, 11, 12
Year: 1.0 math credit
Prerequisite: IEP and coordinator approval
This course may be repeated for credit.
This course focuses on personal financial literacy. As developmentally appropriate, this course (or series of courses) is designed for students to learn and practice financial literacy, decision-making, and management skills for their personal and professional lives. Students will create and modify budgets according to new circumstances. Students will practice basic banking activities such as check writing, debit card use, deposits and keeping track of a spending register, explore online banking and banking apps, and compare and contrast several types of financial institutions. Students will examine the benefit and detriment of managing credit. Students will demonstrate knowledge of FAFSA, loans, grants scholarships and other Postsecondary financial supports. They will examine the many ways to invest money and participate in simulations involving investing.

ILC COMMUNITY

Grades: 9, 10, 11, 12
Year: 1.0 elective credit
Prerequisite: IEP and coordinator approval
This course may be repeated for credit.
This is a self-contained class taught by an ILC teacher. It is designed to teach job skills through direct practical vocational experiences. Students will be required to work at a job site either within or outside of the high school. Students will learn correct job duties and work habits while practicing skills specific to their job site. This course may be taken more than once for credit.

ILC ENGLISH (1, 2, 3, 4)

Grades: 9, 10, 11, 12
Year: 1.0 English credit
Prerequisite: IEP and coordinator approval
This course may be repeated for credit.
This course is a self-contained class taught by an ILC teacher. Based on current IEP goals, teaching focus will be placed on functional skills such as reading for jobs or community survival. Other aspects of this class include reading and understanding classic literature, the writing process, and increasing grammar usage and skills. This course may be taken more than once for credit.

ILC MATH (1, 2, 3)

Grades: 9, 10, 11, 12
Year: 1.0 Math credit
Prerequisite: IEP and coordinator approval
This course may be repeated for credit.
This is a self-contained class taught by an ILC teacher. This course is designed to develop functional math skills. Major emphasis is placed on all functional skill areas, such as money/budgeting, time, measurement/cooking, and word problem-solving. Students will also develop basic math skills. The material taught is dependent on the student's math goals as written on their IEP.

ILC SCIENCE (1, 2, 3, 4)

Grades: 9, 10, 11, 12
Year: 1.0 Science credit
Prerequisite: IEP and coordinator approval
This course may be repeated for credit.
This is a self-contained class taught by an ILC teacher. Science concepts to be covered will include Health, Life, Physical, and Earth Science. This class will include science labs to reinforce instruction. Materials are appropriate to the skill level of the students in class and based on individual goals identified in the IEP.

ILC SOCIAL STUDIES (1, 2, 3, 4)

Grades: 9, 10, 11, 12
Year: 1.0 Social Studies credit
Prerequisite: IEP and coordinator approval
This course may be repeated for credit.
This is a self-contained class taught by an ILC teacher. It introduces and reviews functional community/social skills. Students will explore functional words/signs, geography, maps (including bus schedules and routes), laws, job skills, and different cultures.

Student Achievement Services (SAS)
Department Courses

PWR I - ACE SUCCESS FOUNDATIONS

Grades: 9, 10, 11, 12
Semester: 0.5 elective credit
Prerequisite: IEP and coordinator approval
This course may be repeated for credit.
This course builds personal and academic skills essential for success in school and the workplace. Students will develop self-awareness, goal setting, time management, decision-making, and communication skills. The class emphasizes academic discipline, healthy routines, and strategies for stress management, problem solving, and conflict resolution. Students will also explore personal interests and career options, connecting them to postsecondary goals.

UNIFIED DIGITAL MEDIA

Grades: 9,10, 11, 12
Semester: 0.5 Fine Arts credit
Prerequisite: IEP and coordinator approval
This course may be repeated for credit.
A Unified Digital Media class specifically designed for students who benefit from a modified curriculum, with an emphasis on those with special needs. The opportunity for a limited number of student assistants is available through teacher recommendation only. Student assists will receive Fine Art credit with enrollment in this class.

UNIFIED PE

Grades: 9,10, 11, 12
Semester: 0.5 Wellness/Fitness credit
Prerequisite: IEP and coordinator approval
This course may be repeated for credit.
A Unified PE class specifically designed for students who benefit from a modified curriculum, with an emphasis on those with special needs. The opportunity for a limited number of student assistants is available through teacher recommendation only. Student assists will receive Wellness/Fitness credit with enrollment in this class.

UNIFIED PERFORMING ARTS

Grades: 9,10, 11, 12
Semester: 0.5 Fine Arts credit
Prerequisite: IEP and coordinator approval
This course may be repeated for credit.
A Unified Performing Arts class specifically designed for students who benefit from a modified curriculum, with an emphasis on those with special needs. TStudent assistants will receive Fine Art elective credit with enrollment in this class.

UNIFIED VISUAL ARTS

Grades: 9,10, 11, 12
Semester: 0.5 Fine Arts credit
Prerequisite: IEP and coordinator approval
This course may be repeated for credit.
A Unified Art class specifically designed for students who benefit from a modified curriculum, with an emphasis on those with special needs. The opportunity for a limited number of student assistants is available through teacher recommendation only. Student assistants will receive Fine Art elective credit with enrollment in this class.

WE I – ACE IN-SCHOOL WBL CTE

Grades: 9, 10, 11, 12
Semester: 0.5 elective credit
Prerequisite: IEP and coordinator approval
This course may be repeated for credit.
As developmentally appropriate, this course (or series of courses) is designed for students to develop basic employment skills by participating in an in-school work/school based enterprise experience. A training plan and evaluation (to be filled out by the supervisor/employer) will be developed listing job specific technical skills the student will learn during the experience. Hours worked will be documented. Students will demonstrate levels of self-awareness, career exploration, Postsecondary option knowledge and employability skills. ACE teachers serves as a coach and mentor checking in with supervisor/employer regularly.

Wellness/Fitness Department Pathways

	9th	10th	11th	12th
Health*	Strongly Recommended	Offered	Offered	Offered
***GRADUATION REQUIREMENTS:** One semester (0.5 credits) of Health, plus 3 semesters (1.5 credits) of the choices below.				
Sports Medicine (non-repeatable)		Offered	Offered	Offered
Individual Sports	Offered	Offered	Offered	Offered
Team Sports	Offered	Offered	Offered	Offered
Unified PE (peer partner)		Offered	Offered	Offered
Personal Fitness	Offered	Offered	Offered	Offered
Yoga		Offered	Offered	Offered
Weight Training	Offered	Offered	Offered	Offered
Women's Weight Training	Offered	Offered	Offered	Offered
Advanced Weight Training: Baseball, Basketball, Cheer, Cross Country, Football, Lacrosse, Soccer, Volleyball, Wrestling	Coach/Teacher Recommendation	JV & Varsity Athletes Pre-registered by coach	JV & Varsity Athletes Pre-registered by coach	JV & Varsity Athletes Pre-registered by coach
Swimming Fitness	Coach/Teacher Recommendation	Offered	Offered	Offered
Aquatic Recreation	Offered	Offered	Offered	Offered
Swimming	Offered	Offered	Offered	Offered
Lifeguarding*		Offered	Offered	Offered
***NOTE:** Lifeguarding students must be 16 years old by end of class for certification.				
Dance 1*	Offered	Offered	Offered	Offered
Dance 2*	Offered	Offered	Offered	Offered
Dance Composition*		Offered	Offered	Offered
Dance Technique*		Offered	Offered	Offered

***NOTE:** Students must inform their counselor if they are taking Dance as a Performing Arts credit.

Industry Certification Available:
American Red Cross Lifeguard

Wellness/Fitness Department Courses

The Wellness and Fitness Department at Cherokee Trail High School offers a health-related fitness program. Students will experience a variety of cardiovascular and fitness activities, as well as develop knowledge and skills through participation in individual sports. Students will also acquire practical experiences and knowledge related to establishing a healthy lifestyle, both as an adolescent and maturing adult. Cardiovascular fitness, agility, strength, flexibility, training, and nutrition.

Department fee: Fitness courses require a one-time $10 purchase of a fitness shirt.

ADVANCED WEIGHTS BASEBALL

Grades: 10, 11, 12
Semester: 0.5 Wellness/Fitness credit
Prerequisite: Coach approval
Fee: $15/semester conditioning equipment)
This course may be repeated for credit.
This course is designed for students who participate in the CT Baseball Program. This course will include approximately 90 high-intensity minutes of advanced weight training and conditioning. The specific needs of athletes will be the focus of this course, allowing students to develop core strength in major muscle groups, improve overall speed, and increase agility. In-season and out-of-season programming will allow students to develop and execute specific weight training programs and conditioning strategies to become their physical best. This course is performance-based; therefore, development and improvement will be measured every 4-6 weeks. The goal of this course is to continue the overall objective of improving the performance and ability of the competitive athlete at Cherokee Trail.

ADVANCED WEIGHTS BASKETBALL

Grades: 10, 11, 12
Semester: 0.5 Wellness/Fitness credit
Prerequisite: Coach approval
Fee: $15/semester (conditioning equipment)
This course may be repeated for credit.
This course is designed for students who participate in the CT Boys or Girls Basketball Programs. This course will include approximately 90 high-intensity minutes of advanced weight training and conditioning. The specific needs of athletes will be the focus of this course, allowing students to develop core strength in major muscle groups, improve overall speed, and increase agility. In-season and out-of-season programming will allow students to develop and execute specific weight training programs and conditioning strategies to become their physical best. This course is performance-based; therefore, development and improvement will be measured every 4-6 weeks. The goal of this course is to continue the overall objective of improving the performance and ability of the competitive athlete at Cherokee Trail.

ADVANCED WEIGHTS CHEER

Grades: 10, 11, 12
Semester: 0.5 Wellness/Fitness credit
Prerequisite: Coach approval
Fee: $15/semester (conditioning equipment)
This course may be repeated for credit.
This course is designed for students who participate in the CT Cheer Program. This course will include approximately 90 high-intensity minutes of advanced weight training and conditioning. The specific needs of athletes will be the focus of this course, allowing students to develop core strength in major muscle groups, improve overall speed, and increase agility. In-season and out-of-season programming will allow students to develop and execute specific weight training programs and conditioning strategies to become their physical best. This course is performance-based; therefore, development and improvement will be measured every 4-6 weeks. The goal of this course is to continue the overall objective of improving the performance and ability of the competitive athlete at Cherokee Trail.

ADVANCED WEIGHTS CROSS COUNTRY
Grades: 10, 11, 12
Semester: 0.5 Wellness/Fitness credit
Prerequisite: Coach approval
Fee: $15/semester (conditioning equipment)
This course may be repeated for credit.
This course is designed for students who participate in the CT Boys or Girls Cross Country Running Programs. This course will include approximately 90 high-intensity minutes of advanced weight training and conditioning for a distance runner. The specific needs of athletes will be the focus of this course, allowing students to develop core strength in major muscle groups, improve overall speed, and increase agility. In-season and out-of-season programming will allow students to develop and execute specific weight training programs and conditioning strategies to become their physical best. This course is performance-based; therefore, development and improvement will be measured every 4-6 weeks. The goal of this course is to continue the overall objective of improving the performance and ability of the competitive athlete at Cherokee Trail.

ADVANCED WEIGHTS FOOTBALL
Grades: 9, 10, 11, 12
Semester: 0.5 Wellness/Fitness credit
Prerequisite: Coach approval
Fee: $15/semester (conditioning equipment)
This course may be repeated for credit.
This course is designed for students who participate in the CT Football Program. This course will include approximately 90 high-intensity minutes of advanced weight training and conditioning. The specific needs of athletes will be the focus of this course, allowing students to develop core strength in major muscle groups, improve overall speed, and increase agility. In-season and out-of-season programming will allow students to develop and execute specific weight training programs and conditioning strategies to become their physical best. This course is performance-based; therefore, development and improvement will be measured every 4-6 weeks. The goal of this course is to continue the overall objective of improving the performance and ability of the competitive athlete at Cherokee Trail.

ADVANCED WEIGHTS LACROSSE
Grades: 10, 11, 12
Semester: 0.5 Wellness/Fitness credit
Prerequisite: Coach approval
Fee: $15/semester (conditioning equipment)
This course may be repeated for credit.
This course is designed for students who participate in the CT Boys or Girls Lacrosse Programs. This course will include approximately 90 high-intensity minutes of advanced weight training and conditioning. The specific needs of athletes will be the focus of this course, allowing students to develop core strength in major muscle groups, improve overall speed, and increase agility. In-season and out-of-season programming will allow students to develop and execute specific weight training programs and conditioning strategies to become their physical best. This course is performance-based; therefore, development and improvement will be measured every 4-6 weeks. The goal of this course is to continue the overall objective of improving the performance and ability of the competitive athlete at Cherokee Trail.

ADVANCED WEIGHTS SOCCER
Grades: 10, 11, 12
Semester: 0.5 Wellness/Fitness credit
Prerequisite: Coach approval
Fee: $15/semester (conditioning equipment)
This course may be repeated for credit.
This course is designed for students who participate in the CT Boys or Girls Soccer Programs. This course will include approximately 90 high-intensity minutes of advanced weight training and conditioning. The specific needs of athletes will be the focus of this course, allowing students to develop core strength in major muscle groups, improve overall speed, and increase agility. In-season and out-of-season programming will allow students to develop and execute specific weight training programs and conditioning strategies to become their physical best. This course is performance-based; therefore, development and improvement will be measured every 4-6 weeks. The goal of this course is to continue the overall objective of improving the performance and ability of the competitive athlete at Cherokee Trail.

Wellness/Fitness Department Courses

ADVANCED WEIGHTS VOLLEYBALL
Grades: 10, 11, 12
Semester: 0.5 Wellness/Fitness credit
Prerequisite: Coach approval
Fee: $15/semester (conditioning equipment)
This course may be repeated for credit.
This course is designed for students who participate in the CT Volleyball Program. This course will include approximately 90 high-intensity minutes of advanced weight training and conditioning. The specific needs of athletes will be the focus of this course, allowing students to develop core strength in major muscle groups, improve overall speed, and increase agility. In-season and out-of-season programming will allow students to develop and execute specific weight training programs and conditioning strategies to become their physical best. This course is performance-based; therefore, development and improvement will be measured every 4-6 weeks. The goal of this course is to continue the overall objective of improving the performance and ability of the competitive athlete at Cherokee Trail.

ADVANCED WEIGHTS WRESTLING
Grades: 10, 11, 12
Semester: 0.5 Wellness/Fitness credit
Prerequisite: Coach approval
Fee: $15/semester (conditioning equipment)
This course may be repeated for credit.
This course is designed for students who participate in the CT Wrestling Program. This course will include approximately 90 high-intensity minutes of advanced weight training and conditioning. The specific needs of athletes will be the focus of this course, allowing students to develop core strength in major muscle groups, improve overall speed, and increase agility. In-season and out-of-season programming will allow students to develop and execute specific weight training programs and conditioning strategies to become their physical best. This course is performance-based; therefore, development and improvement will be measured every 4-6 weeks. The goal of this course is to continue the overall objective of improving the performance and ability of the competitive athlete at Cherokee Trail.

AQUATIC RECREATION
Grades: 9, 10, 11, 12
Semester: 0.5 Wellness/Fitness credit
Prerequisite: 300-yard swim and comfortable in deep water
This course may be repeated for credit.
Aquatic Recreation is a PE class that focuses on fitness, teamwork, and movement in the water. Students will take part in activities such as water polo, water basketball, water volleyball, water baseball, diving activities, and other team challenges.
The goal of this class is for students to stay active, work together, and build confidence in the water. It offers a fun alternative to traditional swimming or land-based sports while still helping students improve strength, coordination, and overall fitness.
This course is a good fit for students who enjoy being in the pool and want a team-focused, active class.

BLENDED LEARNING HEALTH
Grades: 9, 10, 11, 12
Semester: 0.5 Wellness/Fitness credit (Health)
Prerequisite: Coordinator Approval
Health course designed to give students information in health-related areas. The course format is based on a formal education program in which students learn primarily through the online delivery of content that is supplemented by face-to-face instruction.

DANCE 1
Grades: 9, 10, 11, 12
Semester: 0.5 Wellness/Fitness or Fine Arts credit
This beginning dance course is designed to expose students to dance as an opportunity for fitness development and as an art form. Students will learn the fundamentals of movement, dance technique, improvisation, anatomy, choreography, performance skills, and dance vocabulary. Hip-hop, jazz, tap, and ballet will be studied in this class. Dance 1 will help the dancer to develop collaboration and communication skills. Dance 1 students are required to perform in the Dance Showcase at the end of the semester. This course may be repeated for credit. Dance can be applied toward graduation credit in Wellness and Fitness or Performing Arts.

DANCE 2
Grades: 10, 11, 12
Year: 1.0 Fine Arts or Wellness/Fitness credit
Prerequisite: Dance 1
Fee: $40 (uniform)
This course may be repeated for credit.
This beginning-intermediate level dance class will focus on technique development, enhancing performance skills, and the application of anatomy and kinesiology to dance, choreography, and combinations. Hip-hop, jazz, ballet, and tap dance will be studied. A beginning approach to dance composition will be utilized to aid the student in creating studies and dances for evaluation. Dance 2 students are required to perform in the Dance Showcase at the end of the semester.

DANCE COMPOSITION LB
Grades: 10, 11, 12
Semester: 0.5 Wellness/Fitness or Fine Arts credit
Prerequisite: Audition
Fee: $80 (uniform)
This course may be repeated for credit.
This is an intermediate-advanced dance course for the student displaying excellent dance technique, exceptional performance skills, and the desire to grow as a dancer. This course will allow the dancer to gain an understanding of choreography principles, dance production, and performance qualities. Jazz, ballet, hip hop, contemporary, and modern dance will be studied and performed. Students must audition and will be placed in the spring. Dance Composition students are required to perform in the Dance Showcase at the end of the semester.

DANCE TECHNIQUE LB
Grades: 10, 11, 12
Semester: 0.5 Wellness/Fitness or Fine Arts credit
Prerequisite: Audition
This course may be repeated for credit.
Intermediate/Advanced Dance Technique designed to improve dancer's technical skills, abilities, and performance quality. Class will focus on strength, intermediate/advanced turn, jump, and leap skill combinations specific to dance team. Intermediate to advanced level dance training required. Teacher approval only.

HEALTH
Grades: 9, 10, 11, 12
Semester: 0.5 Wellness/Fitness credit (Health)
Strongly recommended for 9th grade students.
Students enrolling in this course will develop appropriate attitudes and behaviors to make wise decisions about contemporary health issues. Students will build upon previous health knowledge by investigating the issues that directly impact lives today and in the future. Topics covered in this course include personal decision making, communication skills, conflict resolution, public health issues, consequences of behavior, family dynamics, healthy self-image, prevention and detection of disease, and human growth and development including sexuality.

INDIVIDUAL SPORTS
Grades: 9, 10, 11, 12
Semester: 0.5 Wellness/Fitness credit
This course may be repeated for credit.
This is a beginning course designed to give students an appreciation for skill development in individual sports. The class will promote the fundamental skills for activities such as tennis, archery, frisbee, golf, badminton, table tennis, and pickleball. This course is designed to promote the recreational value of these units as lifelong activities. Students will learn the fundamental skills of each activity, how to keep score, and will participate in class tournaments.

LIFEGUARD TRAINING
Grades: 10, 11, 12
Semester: 0.5 Wellness/Fitness credit
Certification: American Red Cross Lifeguard
Prerequisite: Students must be 15 years old by the end of the semester and be able to swim 500 yards.
Fee: $65 (professional certifcate)
This course is designed by the American Red Cross to prepare students to work as a professional lifeguard. Rescue techniques, CPR, and First Aid will be taught. Students will be required to purchase a pocket mask, textbook fee, and Red Cross certification fee.

Wellness/Fitness Department Courses

PERSONAL FITNESS
Grades: 9, 10, 11, 12
Semester: 0.5 Wellness/Fitness credit
This course may be repeated for credit.
This course introduces students to the fundamentals of lifelong fitness through both gym-based and at-home training methods. Students will learn the basics of strength training, mobility work, cardiovascular conditioning, and safe use of bodyweight exercises with the use of free weights. The class also explores nutrition concepts, goal setting, and working knowledge of exercises and proper routines. Through hands-on activities, outdoor fitness sessions, and recreational games, students will develop confidence to improve their overall health, strength, and endurance.

SPORTS MEDICINE
Grades: 10, 11, 12
Semester: 0.5 Wellness/Fitness credit
This course provides students with a general overview of the field of sports medicine. It includes students with information about careers; scope of practice; legal and ethical responsibilities; injury prevention, treatment, and management; anatomy and physiology; nutrition; basic taping and wrapping techniques, and administrative functions.

SWIMMING
Grades: 9, 10, 11, 12
Semester: 0.5 Wellness/Fitness credit
This course may be repeated for credit.
Students will understand the value of lifetime leisure activities, personal fitness, and survival as it pertains to aquatics. This class is designed for both beginner and advanced swimmers. Skills and information presented in this class will include but not be limited to, stroke technique, water safety, and water survival techniques, principles of fitness while swimming, and target heart rate zone training and use.

SWIMMING FTINESS
Grades: 10, 11, 12
Semester: 0.5 Wellness/Fitness credit
Prerequisite: Coach approval
Fee: $15/semester (conditioning equipment)
This course may be repeated for credit.
iThis course is is for student-athletes aiming to improve swimming performance and overall fitness. Through structured swim sets, dryland conditioning, and individualized technique work, students will build strength, endurance, and stroke efficiency. Designed for athletes preparing to compete on the CTHS Swim Team, this course develops power, increases yardage, and enhances cardiovascular capacity to boost race readiness and refine form.

TEAM SPORTS
Grades: 9, 10, 11, 12
Semester: 0.5 Wellness/Fitness credit
This course may be repeated for credit.
Students will develop competence, confidence, and enthusiasm for team sports. They will learn essential skills, strategies, rules, and traditions for a variety of sports, and apply them in game-like situations. Using a sports education model, students will take on roles such as player, coach, referee, and scorekeeper. Full participation is expected, and modified games will be used to ensure success for all students.

UNIFIED PE
Grades: 9,10, 11,12
Semester: 0.5 Wellness/Fitness credit
This course may be repeated for credit.
This class provides an opportunity to earn a wellness fitness credit while participating and assisting CT students with a variety of special needs. All students will learn about physical health, inclusion, and valuing differences.

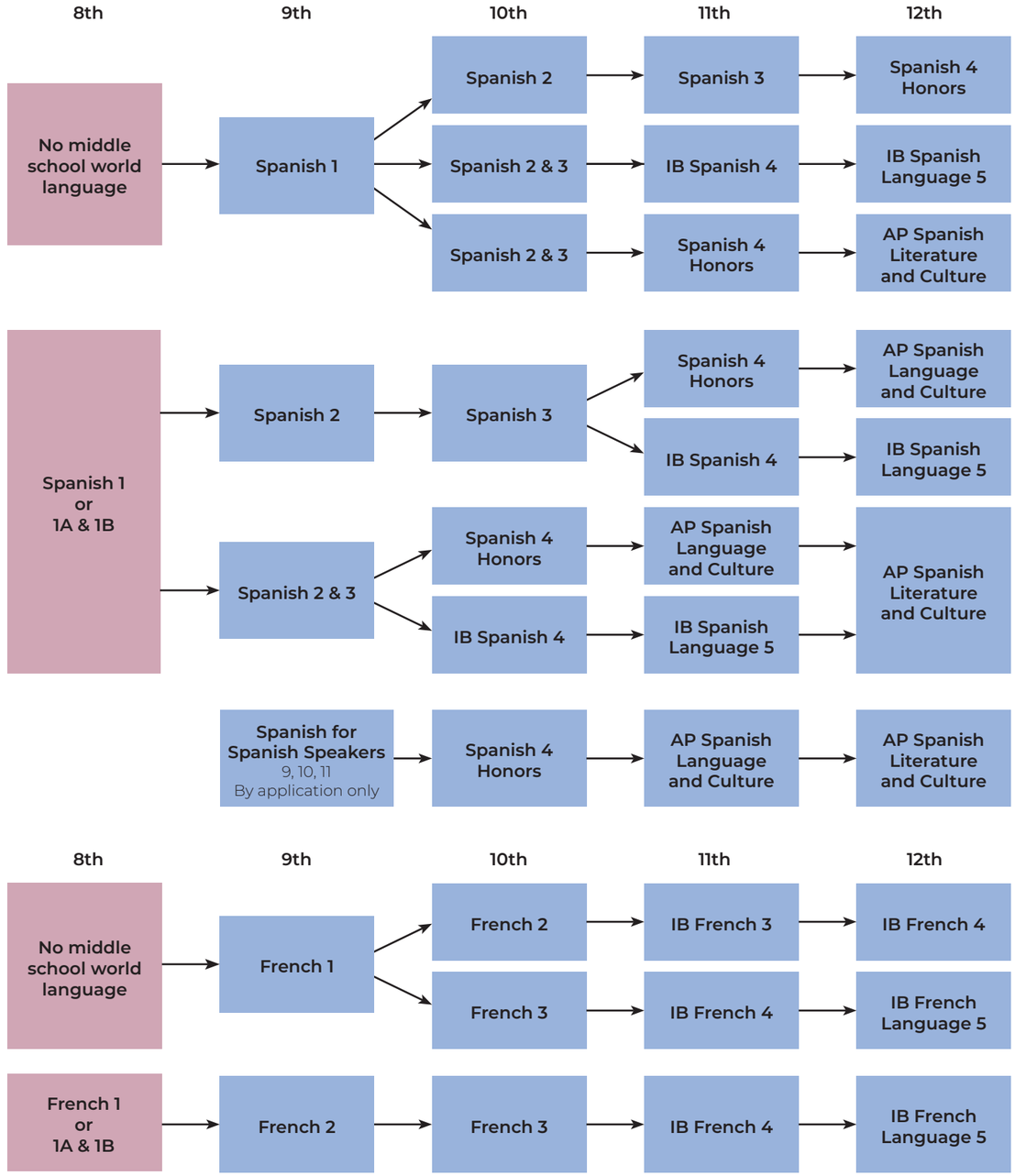
Wellness/Fitness Department Courses

WEIGHT TRAINING
Grades: 9, 10, 11, 12
Semester: 0.5 Wellness/Fitness credit
Fee: $15/semester (conditioning equipment)
This course may be repeated for credit.
This course is designed for students who are interested in improving their level of strength while mastering the fundamentals of Olympic-style weightlifting exercises as well as learning basic principles of conditioning and core strength. The students will learn (1.) basic weightlifting exercises, (2.) safety procedures, proper lifting mechanics, and (3.) proper spotting techniques while using equipment. Throughout the course, special attention and emphasis will be placed on injury prevention for our competitive student-athletes. This course is open to all students and strongly recommended for competitive athletes.

WEIGHT TRAINING FOR WOMEN
Grades: 9, 10, 11, 12
Semester: 0.5 Wellness/Fitness credit
Fee: $15/semester (conditioning equipment)
This course may be repeated for credit.
This course is designed for students interested in developing strength, confidence, and overall physical fitness through resistance training. Students will gain experience with a variety of exercise methods and weightlifting techniques tailored to the unique needs and training considerations often associated with female athletes or overall fitness. Instruction will emphasize building muscle strength and tone, improving speed and agility, enhancing injury prevention strategies, and incorporating diverse cardiovascular activities. While the course focuses on training approaches commonly beneficial for women, it is open to all students who wish to participate in a supportive and empowering strength-training environment.

YOGA
Grades: 10, 11, 12
Semester: 0.5 Wellness/Fitness credit
Materials required: Yoga mat
This course may be repeated for credit.
This course introduces students to the fundamentals of yoga, including physical postures, breathing techniques, mindfulness, and relaxation practices. Students will develop strength, flexibility, balance, and body awareness while learning how movement and breath work together to support overall well-being. Throughout the course, students will explore different styles of yoga, build personalized flows, and engage in reflective activities that promote mental and emotional wellness. Emphasis is placed on creating a supportive, non-competitive environment where students of all experience levels can grow at their own pace. By the end of the course, students will have a foundational understanding of yoga practice, stress-management strategies, and healthy movement patterns they can carry beyond the classroom.

World Languages Department Pathways



World Languages Department Courses

World language courses are a requirement for entrance into most colleges and universities. In French and Spanish classes, homework, practice, and assessments include the four skills of reading, writing, speaking, and listening as well as the culture studied in the course. French and Spanish are spoken in the classroom to introduce and practice oral patterns in the beginning levels and later as the language of communication.

French Courses

FRENCH 1 NCAA
Grades: 9, 10, 11, 12
Year: 1.0 credit general elective credit
Students will begin to study French by participating in the four skills of listening, speaking, reading, and writing in the language. They will also begin the study of French-speaking cultures, including their daily life, foods, and history.

FRENCH 2 NCAA
Grades: 9, 10, 11, 12
Year: 1.0 credit general elective credit
Prerequisite: French 1 or French 1 (a & b)
Students will continue to participate in the four skills of listening, speaking, reading, and writing in French, as well as studying French-speaking cultures. The grammar and vocabulary become more complex.

FRENCH 3 NCAA
Grades: 9, 10, 11, 12
Year: 1.0 credit general elective credit
Prerequisite: French 2
Students will continue to use, strengthen, and refine the French 1 and French 2 skills while deepening their knowledge of French-speaking cultures and the diversity within those cultures. The materials will become more complex in content, vocabulary, and grammar.

IB FRENCH 4 NCAA W
Grades: 10, 11, 12
Year: 1.0 credit general elective credit
Prerequisite: French 3
The class instruction will be predominantly in French, and students will communicate in French. Students will continue to read and analyze authentic materials from French speaking countries and cultures. Students will write compositions, give oral presentations in French, and continue a comparative study of French-speaking countries and cultures. The students will develop the first phase of a portfolio reflecting their personal interest during this course. This course is open to non IB students who wish to advance their French skills.

IB FRENCH LANGUAGE 5 NCAA W
Grades: 11, 12
Year: 1.0 credit general elective credit
Prerequisite: IB French 4
The course will be conducted in French; the students will communicate in French. Students will focus on refinement of language skills, both oral and written, and an increased understanding of the global nature of French throughout the world. Students will write essays and give oral presentations based on the content of literary and cultural works from different French-speaking cultures. They will continue to develop and refine their personal portfolios, reflecting their interests. This course is open to non IB students who wish to advance their French skills.

Spanish Courses

AP SPANISH LANGUAGE AND CULTURE NCAA W
Grades: 11, 12
Year: 1.0 credit general elective credit
Prerequisite: Spanish 4 Honors or teacher approval
Required: Summer work
This course, taught entirely in Spanish, is designed to prepare students to take the Advanced Placement Spanish Language and Culture exam in May. It is a class that will meet the needs of academically motivated students who wish to further develop their Spanish proficiency. The students will review grammar, enhance their vocabulary, improve their fluency in spoken Spanish

World Languages Department Courses

in both formal and informal settings, develop their ability to understand the spoken language, enrich their writing skills for various situations, increase their ability to read authentic materials and grow in their understanding of the cultures where Spanish is spoken. Additional skills students will learn include understanding Spanish when you hear it and read it, holding conversations in real-life situations, and drafting stories, letters, emails, essays, and other texts. The grade for this course is weighted. All students enrolled in this class should sit for the AP exam in May. Students should expect 1.5 hours of homework per class session and/or teacher led outside-of-class AP study sessions.

AP SPANISH LITERATURE AND CULTURE NCAA W
Grades: 11, 12
Year: 1.0 credit general elective credit
Prerequisite: AP Spanish Language and Culture or IB Spanish Language 5
Required: Summer work
Taught entirely in Spanish, this course prepares students for the AP Spanish Literature and Culture exam. Learners will develop advanced language skills through the study of literary works from Spain, Latin America, and U.S. Hispanic authors across historical periods. Students will read, analyze, discuss, and write about texts while exploring their cultural and historical contexts. Emphasis is placed on literary analysis, comparison of works and artistic representations, and the use of appropriate literary terminology. This is a weighted course, and all students are expected to take the AP exam in May. Students should anticipate approximately 1.5 hours of homework per class session and/or teacher-led AP study sessions outside of class.

IB SPANISH 4 NCAA W
Grades: 10, 11, 12
Year: 1.0 credit general elective credit
Prerequisite: Spanish 3 and Acceptance to IB Diploma Program
Students will continue to improve oral and written proficiency in Spanish. Students will also continue to refine their grammar. Literature and culture will be the basis of both oral and written Spanish. The four skills, listening, speaking, reading, and writing, will be challenged through exposure to conversation and composition. Students will further develop their critical thinking skills in this course.

IB SPANISH LANGUAGE 5 NCAA W
Grades: 11, 12
Year: 1.0 credit general elective credit
Prerequisite: IB Spanish 4
Students will continue to improve oral and written proficiency in Spanish. Students will also continue to refine Spanish grammar. The class will use literature and culture as the basis of both oral and written Spanish. The four skills, listening, speaking, reading, and writing, will be challenged through their exposure to conversation and composition. Students will take the IB Spanish SL exam.

SPANISH 1 NCAA
Grades: 9, 10, 11, 12
Year: 1.0 credit general elective credit
Students will learn Spanish, using the four skills of speaking, listening, reading, and writing in the language. Students will study Spanish-speaking cultures, interpreting similarities and differences in these cultures and their own. In reading beginning texts, the students will examine the cultural aspects and use these in original paragraphs, dialogues, skits, spontaneous conversations, and creative presentations.

SPANISH 2 NCAA
Grades: 9, 10, 11, 12
Year: 1.0 credit general elective credit
Prerequisite: Spanish 1 or Spanish 1 (a & b)
Students will continue to learn the language enhancing skills acquired in Spanish 1. Students will develop spontaneous conversations, listening, writing, and reading at a more challenging level. Students will continue to study and interpret cultural aspects of Spanish-speaking areas around the world.

SPANISH 2 AND 3 NCAA
Grades: 9, 10, 11, 12
Year: 1.0 credit general elective credit
Prerequisite: Spanish 1 or Spanish 1 (a & b)
This course is accelerated and designed to cover Spanish 2 and Spanish 3 in one school year. Vocabulary and

World Languages Department Courses

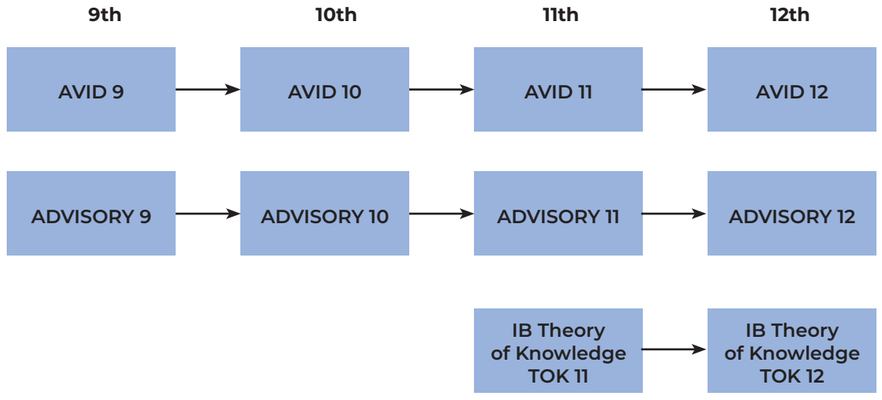
grammatical concepts from Spanish 2 will be taught in the first semester and vocabulary and grammatical from Spanish 3 will be taught in the second semester. The goal of this class is to prepare students for either Spanish 4 Honors or IB Spanish 4 the following year. This course is intended to provide an opportunity for students who start with Spanish 1 their freshman year to accelerate to reach AP Spanish 5 or IB Spanish 5 their senior year. This course was created for students who plan on taking Spanish all four years of high school. All Colorado Academic Standards will be covered in Spanish 2 and 3. The Colorado Academic Standards align with the American Council on the Teaching of Foreign Languages (ACTFL) Standards and include Communication, Cultures - Intercultural Communication, Connections, and Comparisons.

SPANISH 3 NCAA
Grades: 9, 10, 11, 12
Year: 1.0 credit general elective credit
Prerequisite: Spanish 2
Students will continue to use, strengthen, and refine the four skills of Spanish 1 and 2 while at the same time deepening their knowledge of Spanish-speaking cultures and the diversity within those cultures. The development of each skill will become more complex in content, vocabulary, and grammar.

SPANISH 3 FOR SPANISH SPEAKERS NCAA
Grades: 9, 10, 11, 12
Year: 1.0 credit general elective credit
Prerequisite: Application
This course is taught entirely in Spanish and is intended for students who speak Spanish at home, are literate in the Spanish language, but who speak English at school, and need help to bring their literacy up to higher levels. Students must meet with the teacher before enrolling in this course. Some of the skills that will be addressed for students in this course are reading and writing in Spanish, the appropriate use of register, history, culture, and traditions, Hispanic literature, improving grammatical speaking and writing accuracy. This course will allow each student to develop skills in Spanish and to reinforce the study skills necessary for success in all courses. Students will leave this course with the skills and confidence necessary to continue with their language study. Student and teacher will determine if they proceed to Spanish 4 or AP Spanish 5. Upon completion of this course, the student may qualify to receive the Seal of Biliteracy.

SPANISH 4 HONORS NCAA W
Grades: 10, 11, 12
Year: 1.0 credit general elective credit
Prerequisite: Spanish 3 or Spanish for Spanish Speakers
Students will focus on improving oral and written proficiency in Spanish. Students will also continue to refine and augment Spanish grammar learned in previous courses. The class will use literature and culture to spur the use of both oral and written Spanish. The four skills, listening, speaking, reading, and writing, will be challenged through their exposure to conversation and composition.

Additional Elective Courses



Additional Elective Courses

Courses that are not included in Academic Pathways.

AVID (AVID 9, AVID 10, AVID 11, and AVID 12)
Grades: 9, 10, 11, 12
Year: 1.0 credit general elective credit
Prerequisite: Minimum 2.5 unweighted GPA and an application/interview process
AVID (Advancement Via Individual Determination) is a program to prepare bright and driven students with the skills necessary to pursue a college prep path for admission to a four-year college or university. The AVID class will provide academic instruction and other support services to students and prepare them for eligibility into four-year colleges or universities, give students college entry skills, motivate students to seek a college education, and increase students' awareness of career opportunities and choices. Please reference the AVID Program page for more information about the AVID program. Once enrolled, students must continue to meet the grade minimum requirements to remain eligible and in the AVID program.

ADVISORY (ADVISORY 9, ADVISORY 10, ADVISORY 11, ADVISORY 12)
Grades: 9, 10, 11, 12
Year: 0.25 credit general elective credit
Grading System: S/US
This course may be repeated for credit.
The purpose of Advisory is to create space and time within the school environment to allow students and staff to build caring, stable, trusting relationships that support the social-emotional and academic growth of students. Advisory meets once a week, please see bell schedule for Advisory times.

BLENDED LEARNING TOK (TOK 11 and TOK 12) W
Grades: 11 and 12
Year: 0.5 general elective credit
Prerequisite: Acceptance to the IB Diploma Program
Vendor: Schoology
Blended Learning Theory of Knowledge, TOK, 11 and 12 is an alternative learning course required course for all IB students. Students will receive direct instruction during in-person and on-site meetings, along with some asynchronous online instruction. Students will enroll in TOK the second semester of their junior year and the first semester of their senior year. TOK, along with CAS (Creativity, Action, Service) and the Extended Essay, lie at the core of the IB curriculum. In TOK, students will explore and then acknowledge the strengths and limitations of the academic disciplines that they have pursued in their formal education. One goal of the course is for students to unlearn any automatic responses they may have regarding the acceptance of absolute truths. The purpose is not to engender cynicism, but rather to encourage reflection, self-awareness, and skepticism as they continue to pursue truth, reality, and meaning.

FRESHMEN FOCUS
Grades: 9
Semester: 0.5 general elective credit
Prerequisite: Teacher approval
Freshmen Focus is a class with a focus on improving study skills and study habits to developing academic confidence. The class works on building personal habits that will strengthen social and emotional confidence as well. This course will help students learn how to self-advocate, communicate with teachers, collaborate with other students, and be more organized; however, the most important lesson the student will learn in this class is: YOU are the only one who holds the key to your success.

GUIDED STUDY
Grades: 10, 11, 12
Semester: 0.25 general elective credit
Prerequisite: Teacher approval
Grading System: S/US
This course may be repeated for credit.
Guided Study is a support-based course designed to help students strengthen executive functioning skills such as organization, time management, planning, and task initiation. Students will also build self-advocacy skills by learning how to communicate their needs and seek support when necessary. The class provides a structured environment for students to complete assignments, receive academic support, monitor grades, and set goals.

Additional Elective Courses

IB THEORY OF KNOWLEDGE (TOK 11 and TOK 12) W
Grades: 11 and 12
Year: 0.5 general elective credit
Prerequisite: Acceptance to the IB Diploma Program
IB Theory of Knowledge, or TOK, is a required course for all IB students. Students will enroll in TOK the second semester of their junior year and the first semester of their senior year. TOK, along with CAS (Creativity, Action, Service) and the Extended Essay, lie at the core of the IB curriculum. In TOK, students will explore and then acknowledge the strengths and limitations of the academic disciplines that they have pursued in their formal education. One goal of the course is for students to unlearn any automatic responses they may have regarding the acceptance of absolute truths. The purpose is not to engender cynicism, but rather to encourage reflection, self-awareness, and skepticism as they continue to pursue truth, reality, and meaning.

INDEPENDENT STUDY
Grades: 11 and 12
Semester Credit: 0.5 (counts in the same category as the equivalent traditional class)
Prerequisite: Administrative approval
Vendor: Schoology
Independent Study offers students the opportunity to pursue individualized learning goals outside of a traditional classroom setting. Under the guidance of a supervising teacher, students will complete required assignments and lessons. Meeting times and schedules will be arranged individually with the teacher to best support progress and course completion. Independent Study is only available when a critical scheduling conflict cannot be resolved. Both administrative and teacher approval are required.

OFFICE ASSISTANT
Grades: 9, 10, 11, 12
Semester: 0.5 credit general elective
Prerequisite: Approval of office supervisor
Grading System: S/US
This course is for students interested in learning office procedures, telephone etiquette, etc. and in providing a service to the school. Offices include Activities, Administration, AP/IB, Athletics, Counseling, Deans, Student Achievement Services. Students will receive 'S' or 'US' as their grade.

PEER TUTORING
Grades: 10, 11, 12
Semester: 0.25 credit general elective credit or service hours
Prerequisite: Teacher approval
Grading System: S/US
This course may be repeated for credit.
Peer tutoring is a fun way to give back to the Cherokee Trail community. We are looking for motivated team-oriented students who have a desire to help others succeed in their course work. We provide the training and support for our tutors who have a desire to create a strong community. Peer tutors can earn .25 credit 'S' or 'US' as their grade. per semester or Community Service hours for working half of the period they are assigned. Students must have C's or better and acceptance depends on teacher approval.

SOPHOMORE ENRICHMENT SEMINAR
Grades: 10
Year: 1.0 credit general elective credit
Prerequisite: Teacher approval
Sophomore Enrichment Seminar (SES) is a class with a focus on improving study skills and study habits to develop academic confidence. Using "7 Habits of Highly Effective Teens" as our core text, we will also work on building personal habits that will strengthen social emotional confidence as well. This course will help students learn how to self-advocate, communicate with teachers, collaborate with other students and be more organized; however, the most important lesson the student will learn in this class is: YOU are the only one who holds the key to your success.

Additional Elective Courses

SOURCES OF STRENGTH PEER LEADERS

Grades: 10, 11, 12
Year: 1.0 credit general elective credit
Prerequisite: Application
This course may be repeated for credit.
Sources of Strength Peer Leaders focus on furthering understanding of the Sources of Strength wheel to help individuals get through tough times. As a class, students will help create campaigns and activities for the CT student body to interact with during the school year to spread the language of hope, help, and strength to create a community that fosters belonging and connection. Sources partners with other school and community organizations throughout the school year to champion strength-based messaging. This class will help students recognize their strengths and use their weaknesses as experience and opportunities to grow physically and mentally.

STUDENT LEADERSHIP

Grades: 9, 10, 11, 12
Year: 1.0 credit general elective credit
Prerequisite: Application/Interview process
This course may be repeated for credit.
Student Leadership offers students of all grade levels the opportunity to represent the CTHS student body in both school and community settings. Students serve as student body officers and class representatives, helping plan major events such as Homecoming, Wish Week, Prom, and various service projects. Throughout the course, students develop and apply leadership skills to organize and implement a wide range of school activities.

STUDENT SEMINAR

Grades: 9
Semester: 1.0 general elective credit
Prerequisite: Teacher approval
Student Seminar is a class with a focus on improving study skills and study habits to developing academic confidence. The class works on building personal habits that will strengthen social and emotional confidence as well. This course will help students learn
how to self-advocate, communicate with teachers, collaborate with other students, and be more organized; however, the most important lesson the student will learn in this class is: YOU are the only one who holds the key to your success.

STUDENTS SUPPORTING STUDENTS

Grades: 9, 10, 11, 12
Semester: 0.5 credit general elective credit
Grading System: S/US
This course may be repeated for credit.
The Students Supporting Students class provides opportunities for students to assist with activities and support peers in the ILC classroom. As student aides, they work alongside teachers and students while learning about disabilities and how to promote awareness, understanding, and effective accommodations within their school and community.

TEACHER ASSISTANT

Grades: 9, 10, 11, 12
Semester: 0.5 credit general elective credit
Prerequisite: Approval of supervising teacher
Grading System: S/US
Students will assist a teacher in a variety of duties and responsibilities. This may include, but not be limited to, clerical work, maintaining equipment, delivering correspondence, and securing supplies.

WORK STUDY

Grades: 11, 12
Semester: 1.0 general elective credit/125 hours
Prerequisite: Counselor Approval
Grading System: S/US
Course Type: Alternative Instruction/Work-Based Learning
This course may be repeated for credit.
The Work Study Program is an alternative instruction, work-based learning course designed to provide hands-on, real-world experience that algins with the students' Individual Career and Academic Plan (ICAP). Learning takes place partially or entirely in the workplace. To participate, students must secure and maintain a job for the entire semester, ensuring work hours do not conflict with school - meaning after-school hours or weekends. The work-study teacher supervises and monitors students' work experience throughout the program.

Our Actions Will Ignite the Genius and Nurture the Goodness Within Us All















