



CHEROKEE TRAIL HIGH SCHOOL

CTE PATHWAYS 2022-2023

Courses can be taken in a variety of sequencing allowing students to concentrate in a specific content or explore multiple pathways. Courses listed with a CE (Concurrent Enrollment) or DE (Dual Enrollment) provide students an opportunity to earn college credit, at the same time as earning high school credit. Industry certifications are also available in numerous pathways.

ATHLETIC TRAINING

- Introduction to Health Care (CE) *Recommended Entry-Level*
- Comprehensive Medical Terminology (CE)
- Sports Medicine
- Sports Medicine Work-based Learning
- Work-based Learning: Internships & Apprenticeships

BUSINESS ADMINISTRATION

- Introduction to Business *Recommended Entry-Level*
- Accounting I: Fundamentals of Accounting (CE)
- Accounting II: Principles of Accounting (CE)
- IB Business Management SL
- IB Business Management HL
- Introduction to PC Applications (CE)
- Legal Environment of Business
- Marketing I: Principles of Marketing
- Marketing II: Social Media and Advertising
- Marketing Cooperative
- Personal Finance
- Sports and Entertainment Marketing
- Web Design Foundations I
- Web Design Foundations II
- Work-based Learning: Internships & Apprenticeships

CRIMINAL JUSTICE

- Criminal Justice and Law I (CE) *Recommended Entry-Level*
- Criminal Justice and Law II (CE)
- Work-based Learning: Internships & Apprenticeships

WORK-BASED LEARNING 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 a work site and prepares students for employment in the industry including apprenticeships.

ENGINEERING, TECHNOLOGY & DESIGN

- Engineering Technology I *Recommended Entry-Level*
- AP Computer Science A
- AP Computer Science Principles
- Architectural Design
- Computer Aided Design
- Computer Programming I
- Computer Programming II
- Engineering Design
- Engineering Technology II
- Engineering Technology Cooperative
- IB Design Technology SL
- IB Design Technology HL
- Manufacturing Production Design
- Medical & Sustainable Technology
- Robotics & Automated Systems
- Senior Design Capstone: Semester or Year
- STEM projects
- Work-based Learning: Internships & Apprenticeships

CTE DISTRICT-WIDE COURSES

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

- All courses offered at the Cherry Creek Innovation Campus (see reverse side for courses offered at CCIC)
- Cosmetology/Esthetics (CE)
- Future Educator



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



CHERRY CREEK INNOVATION CAMPUS

CTE PATHWAYS 2022-2023

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 DE (Dual Enrollment) provide students an opportunity to earn college credit. Industry certifications are also available in numerous pathways. CCIC courses are listed below in alphabetical order, with the recommended entry-level course listed first. See CCIC Course Guide for more information.

ADVANCED MANUFACTURING

- CNC Machining I *Recommended Entry-Level
- CNC Machining II
- Manufacturing Fundamentals I
- Manufacturing Fundamentals II
- Work-based Learning: Internships & Apprenticeships

BUSINESS SERVICES

- Project Management for Entrepreneurs I (CE)
*Recommended Entry-Level
- Project Management for Entrepreneurs II (CE)
- Project Management for Entrepreneurs III (CE)
- CTE Capstone: Business (CE)
- Work-based Learning: Internships & Apprenticeships

HEALTH SCIENCE

- Introduction to Health Care (CE) *Recommended Entry-Level
- Behavioral Health Technician (CE)
- Certified Nurse Aide
- Introduction to Occupational/Physical Therapy (CE)
- Pharmacy Technician
- Work-based Learning: Internships & Apprenticeships

HOSPITALITY & TOURISM

- ProStart I (DE) *Recommended Entry-Level
- Hospitality Youth Apprenticeship (CE)
- Resort and Event Management (DE)
- ProStart II (DE)
- ProStart Youth Apprenticeship
- Work-based Learning: Internships & Apprenticeships

INFRASTRUCTURE ENGINEERING

- Construction I *Recommended Entry-Level
- Construction II
- Work-based Learning: Internships & Apprenticeships

IT: NETWORKING & SECURITY

- Computer Programming I *Recommended Entry-Level
- CTE Capstone: IT
- Cybersecurity I: Computer Systems
- Cybersecurity II: Networks & Security
- Cybersecurity III: Ethical Hacking
- Data Science I: Foundations
- Data Science II: Machine Learning
- Data Structures and Algorithms
- Virtual Reality I: Foundations of Unity
- Virtual Reality II: Building VR Experiences with Unity
- Work-based Learning: Internships & Apprenticeships

STEM: INDUSTRIAL DESIGN

- Product Design I (CE) *Recommended Entry-Level
- Advanced Robotics and Automated Systems
- CTE Capstone: STEAM
- Product Design II (CE)
- Product Design III
- Work-based Learning: Internships & Apprenticeships

TRANSPORTATION - AUTOMOTIVE SERVICE

- Automotive Technology I* (CE) *Recommended Entry-Level
- Automotive Technology II (CE)
- Automotive Technology III (CE)
- Work-based Learning: Internships & Apprenticeships

TRANSPORTATION: AVIATION FLIGHT

- Aviation Fundamentals (DE) *Recommended Entry-Level
- Drone Pilot
- Work-based Learning: Internships & Apprenticeships

TRANSPORTATION – AVIATION MECHANICS

- General Aircraft Maintenance I *Recommended Entry-Level
- Airframe I
- Airframe II
- Airframe III
- Airframe IV
- General Aircraft Maintenance II
- Work-based Learning: Internships & Apprenticeships