



CHEROKEE TRAIL HIGH SCHOOL

CTE PATHWAYS 2021-2022

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 *Recommended Entry-Level*
- Comprehensive Medical Terminology (CE)
- Sports Medicine
- Sports Medicine Cooperative
- Internships and Apprenticeships (see below)

BUSINESS ADMINISTRATION

- Introduction to Business (CE) *Recommended Entry-Level*
- Accounting I: Fundamentals of Accounting
- 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
- Internships and Apprenticeships (see below)

CRIMINAL JUSTICE

- Criminal Justice and Law I (CE) *Recommended Entry-Level*
- Criminal Justice and Law II (CE)
- Internships and Apprenticeships (see below)

WORK-BASED LEARNING OPPORTUNITIES

Cherry Creek School District offers two opportunities to experience real-world, hands-on learning in each CTE Pathway:

- **Internship:** allows students to gain real-life work experience in a career field that they would like to pursue after graduation. Program includes 100 hours of on-the-job experience.
- **Apprenticeship:** students earn a wage while receiving hands-on work experience where they can apply their classroom learning. Hours determined based on job placement.

DRAFTING & DESIGN

- Architectural Design *Recommended Entry-Level*
- IB Design Technology SL
- IB Design Technology HL
- Senior Design Capstone: Semester or Year
- Internships and Apprenticeships (see below)

ENGINEERING & TECHNOLOGY

- Engineering Technology I *Recommended Entry-Level*
- AP Computer Science A
- AP Computer Science Principles
- Computer Aided Design
- Computer Programming I
- Computer Programming II
- Engineering Design
- Engineering Technology II
- Engineering Technology Cooperative
- Manufacturing Production Design
- Medical & Sustainable Technology
- Robotics & Automated Systems
- STEM Projects
- Internships and Apprenticeships (see below)

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)
- Epic Medical Careers



CHERRY CREEK INNOVATION CAMPUS

CTE PATHWAYS 2021-2022

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
- Internships and Apprenticeships (see opposite page)

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 (CE)
- Internships and Apprenticeships (see opposite page)

FUTURE EDUCATOR

- Introduction to Future Educator* (DE) *Recommended Entry-Level*
- Child Development & Digital Teaching, and Learning (DE)
- Early Childhood Education and Child Guidance (DE)
- STEM Methods and Children's Literature (DE)
- Internships and Apprenticeships (see opposite page)

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
- Internships and Apprenticeships (see opposite page)

HOSPITALITY & TOURISM

- ProStart I (DE) *Recommended Entry-Level*
- Hospitality Youth Apprenticeship
- Lodging & Resort Management (DE)
- ProStart II (DE)
- ProStart Youth Apprenticeship
- Internships and Apprenticeships (see opposite page)

INFRASTRUCTURE ENGINEERING

- Construction I *Recommended Entry-Level*
- Construction II
- Internships and Apprenticeships (see opposite page)

IT: NETWORKING & SECURITY

- Computer Programming I *Recommended Entry-Level*
- Cybersecurity I: Computer Systems
- Cybersecurity II: Networks & Security
- Cybersecurity III: Ethical Hacking
- Data Science I: Foundations
- Data Science II: Machine Learning
- Internships and Apprenticeships (see opposite page)

STEM: INDUSTRIAL DESIGN

- Computer Aided Design (CE) *Recommended Entry-Level*
- Advanced Robotics and Automated Systems
- Product Design I (CE)
- Product Design II (CE)
- Product Design III
- Virtual Reality
- Internships and Apprenticeships (see opposite page)

TRANSPORTATION – AUTOMOTIVE SERVICE

- Maintenance and Light Repair I* (CE) *Recommended Entry-Level*
- Auto Service Technology MLR III High Performance
- Maintenance and Light Repair II (CE)
- Internships and Apprenticeships (see opposite page)

TRANSPORTATION – AVIATION FLIGHT

- Aviation Fundamentals (DE) *Recommended Entry-Level*
- Drone Pilot
- Internships and Apprenticeships (see opposite page)

TRANSPORTATION – AVIATION MECHANICS

- General Aircraft Maintenance I *Recommended Entry-Level*
- Airframe I
- Airframe II
- Airframe III
- Airframe IV
- General Aircraft Maintenance II
- Internships and Apprenticeships (see opposite page)