



# SMOKY HILL HIGH SCHOOL

## CTE PATHWAYS 2023-2024

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. Courses listed with a (WBL) have embedded Work-based Learning opportunities where students are Learning Through Work or Learning At Work.

### 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
- Legal Environment of Business
- Marketing I: Principles of Marketing
- Marketing II: Sports, Entertainment, & Social Media
- Marketing Cooperative
- Personal Finance
- 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

### VISUAL ARTS & DESIGN

- Interior Design I: Residential
- Fashion Design & Merchandising I
- Work-based Learning: Internships & Apprenticeships

### DESIGN & MULTIMEDIA ARTS

- 2D Digital Design \*Recommended Entry-Level\*
- 3D Design & Animation \*Recommended Entry-Level\*
- Advanced 3D Design
- Design Portfolio
- Game Design
- IB Digital Art SL
- IB Digital Art HL
- 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.

### HEALTH SCIENCES

- Introduction to Health Science \*Recommended Entry Level\*
- Anatomy & Physiology
- Human Nutrition for Health
- Work-based Learning: Internships & Apprenticeships

### HOSPITALITY & FOOD PRODUCTION

- Interpersonal Relationships \*Recommended Entry-Level\*
- Child and Adolescent Development
- Culinary Essentials I
- Culinary Essentials II
- ProStart I
- ProStart II
- Unified Culinary Buddies
- Work-based Learning: Internships & Apprenticeships

### TRANSPORTATION – AUTOMOTIVE SERVICE

- Automotive Technology I (CE) \*Recommended Entry-Level\*
- Automotive Technology II (CE)
- Automotive Technology III (CE)
- Consumer Automotive
- Electronics I
- Electronics II
- 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 (DE)



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



# CHERRY CREEK INNOVATION CAMPUS

## CTE PATHWAYS 2023-2024

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 10<sup>th</sup> 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 with the recommended entry-level course listed first. Courses listed with a (WBL) have embedded Work-based Learning opportunities where students are Learning Through Work or Learning At Work. See CCIC Course Guide for more information.

### ADVANCED MANUFACTURING

- CNC Machining I (CE) \*Recommended Entry-Level
- CNC Machining II (CE) (DE)
- Manufacturing Fundamentals I (CE)
- Manufacturing Fundamentals II (CE)
- 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 Assistant (WBL)
- 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) (WBL)
- Resort and Event Management (DE)
- ProStart II (DE)
- ProStart Youth Apprenticeship (WBL)
- 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

### PRODUCT DESIGN

- Product Design I (DE) \*Recommended Entry-Level
- Advanced Robotics and Automated Systems
- CTE Capstone: STEAM
- Product Design II (DE)
- 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

- Private Pilot Ground School (DE) \*Required Entry-Level
- Drone Pilot (DE)
- 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