

Cherokee Trail High School  
 Career Pathway Plan of Study  
**Skilled Trades and Technical Sciences**



**Career Path Courses**

**9th:** Pre-engineering Technology 1 & 2,

**10th:** Manufacturing Production and Design, Introduction to Aviation Technology\*\*

**11th:** Automotive Tech 1\*\*, Diesel Tech 1\*\*, Collision Repair Tech 1\*\*, Construction Tech 1\*\*, Power Sport Tech 1\*\*, Precision Machining 1\*\*, General Electronic Technology\*\*, Welding 1\*\*, Building Pathways 1\*\*, Aviation Technology\*\*, Aviation Fundamentals\*\*

**12th:** Automotive Tech 2\*\*, Diesel Tech 2\*\*, Collision Repair Tech 2\*\*, Construction Tech 2\*\*, Power Sport Technology 2\*\*, Aviation Fundamentals\*\*, Power Sport Technology 1\*\*, Precision Machining 2\*\*, Welding 2\*\*, Executive Internship\*\*

**Core Academic Classes**

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

10th: 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

12th grade: English 12 (AP, IB, CE), Senior Social Studies (AP, IB), College Algebra or higher (AP, IB, CE), Senior Science (AP, IB,)

AP= Advanced Placement, IB= International Baccalaureate, CE= Concurrent

**Suggested Electives**

Health ±

Wellness and Fitness

Intro to Computer Programming

Robotic Technologies

Computer Applications

Medical and Sustainable Technology

Engineering Design\*

± Required course for graduation.

**Potential Career Pathways: *Mechanic, Construction trades (Welder, Electrician, Plumber), Aviation Trade, Transportation and Distribution***

**Employment Outlook:** This Cluster exposes students to careers and businesses involved in the planning, management, and movement of people, materials, and products by road, air, rail, and water. It also includes related professional and technical support services such as infrastructure planning and management, logistic services, and the maintenance of mobile equipment and facilities.

Source: Naviance 2018

**Additional Information**

**College Credit:**

\*Courses offer college credit through **Concurrent Enrollment, AP, or IB**

**CTE Courses :**

\*\* Courses are offered through the CCSD CTE program and are off-campus.

**Student Organizations:**

TSA- Technical Student Association, Skills USA

**Post-graduation options that lead to careers in this Cluster:**

World of work, Associates Degree (AA)



**Standardized Testing: Suggested Benchmarks**

SAT	ACT	Accuplacer
ELA: 480	English 18	SS 95
Math: 530	Reading 22	RC 80
	Math 22	Math 85