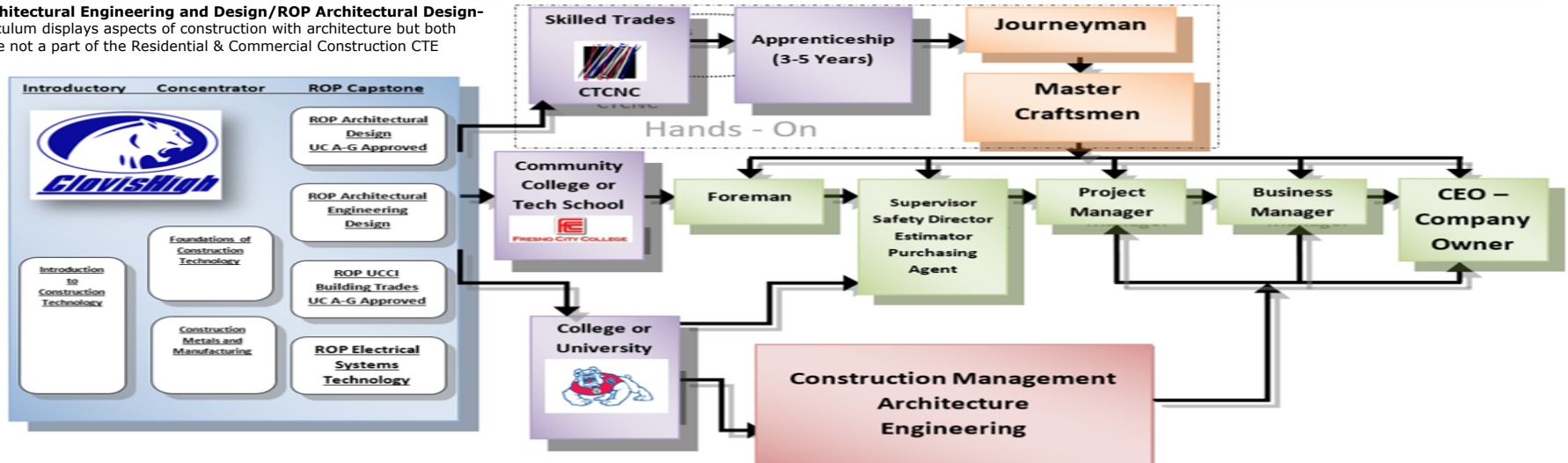


CUSD Construction Careers Pathway

ROP Architectural Engineering and Design/ROP Architectural Design- the curriculum displays aspects of construction with architecture but both classes are not a part of the Residential & Commercial Construction CTE Pathway.



- Architects
- Cabinetmakers
- Carpenters
- Carpet Installers
- Cement Masons & Finishers
- Construction Inspectors
- Construction Managers
- Draftsmen
- Drywall and Ceiling Tile Installers
- Electrical Power-Line Techs
- Electricians
- Electronic System Technicians
- Engineers
- Flooring
- Heavy Equipment Operators
- HVAC Heat & Air Conditioning
- Insulation Workers
- Painters, Construction and Maintenance
- Pipe Layers
- Welders
- Plumbers, Pipefitters, and Steamfitters
- Roofers
- Masons
- Structural Iron and Steel Workers
- Tile and Marble Setters

The CUSD Construction Careers Pathway can help lead you to a lucrative, high demand, fulfilling career in any of the above professions.

The CUSD Construction Careers Pathway offers classes that dovetail with the Fresno State Construction Management program, the Fresno State Geomatic Engineering Program, classes with A-G University California approval, direct entry into the carpentry apprenticeship program and course credit for Fresno City College classes.

<p>Construction Technology I Grades 9-12</p> <p><i>Prerequisite(s): completion of Math 1 or concurrent enrollment in Math 1</i></p> <p>This course is designed to involve students in projects and problem-based learning experiences that introduce the world of construction. Students will be engaged with several projects such as doghouses, wooden plant boxes, wooden tool boxes, building frames, etc. They will also use various math skills to support with problem-solving projects that are related to math practices.</p>	<p>Construction Technology II Grades 10-12</p> <p><i>Prerequisite(s): successful completion and obtain a passing grade in a year-long Construction Technology I class</i></p> <p>This course is designed to study the foundations of construction technology; residential and commercial construction. The studies include the fundamental and requisite skills for specialty areas such as; project design, estimation, blueprint reading, framing, bricklaying, and concrete masonry. In this course, students are involved with designing, engineering, and using the blueprint to develop construction related projects.</p>	<p>Basic Metals Manufacturing Grades 10-12</p> <p><i>Prerequisite(s): may have taken basic welding or other welding related course</i></p> <p>This course is designed to give students the opportunities to learn and the studies of metals and welding. Through learning the basic principles of welding and metal manufacturing, students will learn how to use and create metal formation and projects that connect to the residential and commercial construction projects.</p>
<p>Electronic Systems – Sound & Communication (ROP) Grades 11-12</p> <p><i>Prerequisite(s): some experiences with computer networking, sound and communication systems are recommended</i></p> <p>This course is designed for students in 11-12th grade to explore computers and computer networks, video security surveillance, burglar alarms, fire alarms, and a variety of electronic systems that are related to the exterior and interior design of residential and commercial construction. Students will be engaged with computer experiences and how to build systems that can enhance a construction project and development, especially in residential and commercial buildings and locations.</p>	<p>UCCI Building Scaled Structures Grades 11-12</p> <p><i>Prerequisite(s): one year of Construction Technology I with a successful passing grade and concurrently enrolled in Math 2 or obtained a successful completion of C or better in Math 2</i></p> <p>This course has been developed to integrate skills and concepts from the Building and Construction trades with applied mathematics and English. As a natural progression, students will apply the craft skills required to design and build a variety of scaled structures that meet current code requirements. In addition, students will make real-world connections between construction, math, and English using written projects, construction documents that include creating blueprints, project packets, and student-centered construction projects. This capstone course will require participation in projects with an expectation of safety procedures.</p>	

**Build Your Future
Professions with High Demand
Let's learn a way to build a career through CTE at Clovis High School!**

WHAT ARE THE BENEFITS OF THE CONSTRUCTION PATHWAY?

- Real World Experience
- A-G UC Approved Classes
- Apprenticeship Placement
- Community College Dual Enrollment
- College & Career Planning
- Employment Portfolio

PATHWAY INFORMATION

A-G UC Approved Classes

- UCCI Building Scaled Structures

Construction Pathway Courses

Construction Technology I - Introduction
Construction Technology II – Foundations
Basic Metals Manufacturing
Electronic System- Sound & Communication
UCCI Building Scaled Structures

Dual Enrollment – College Credit

- Fresno City College Construction 50A

Industry Certifications

- OSHA 10 hour General Industry Cert.
- NCCER – National Center for Construction Education and Research
- Ethics in Technology
- AB 1825 Harassment Prevention

Build Your Future

FOR MORE INFORMATION ABOUT THE RESIDENTIAL AND COMMERCIAL CONSTRUCTION PATHWAY

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www.facebook.com/CUSDCConstruction

Pathway Motto

Choose your path, Build your future

By investing time in our pathway students will gain practical knowledge and experience that can help them in many aspects of the skilled trades, contracting, entrepreneurship, architecture, engineering, project management, finance and home ownership.

Not all will become professional tradespeople, but ALL will be helping to "build their future".

Construction Careers Pathway

Clovis High School

*Residential and Commercial Construction
Clovis Unified School District - 2018-2019*

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Choose your path – Build your future.