

Class Offerings

Construction Technology I Grades 9-12

This class is designed to engage students in problem-based learning experiences that introduce the world of construction. Students will reinforce core mathematic skills as they are challenged with several hands-on projects.

Building Information Modeling (BIM) Grades 10-12 (UC – Art)

BIM is designed as a single period UC approved art class focusing on the drafting, design and building information modeling aspects of construction. Study areas include: Computer Aided Drafting and 3-D modeling.

Construction Metals & Manufacturing Grades 10-12

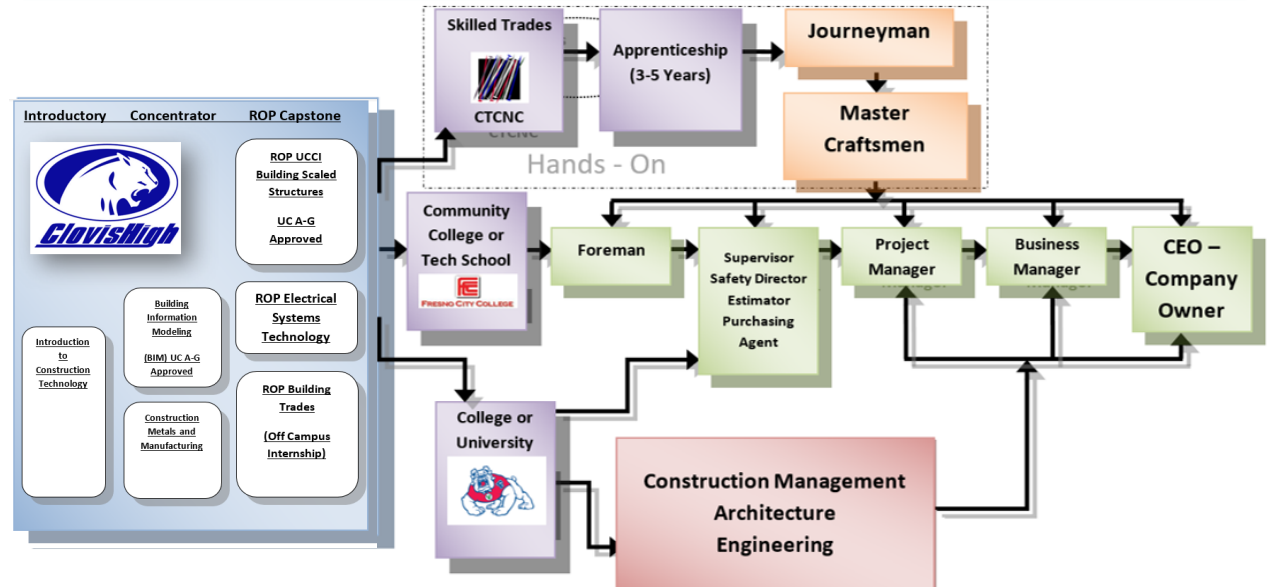
This class is designed to familiarize participants with the three major technical occupations (welding, sheet metal, and machining) that are available in the construction/metals industries. This course is designed to allow students to master basic welding theory & technique as they complete multiple hands-on projects.

ROP Electrical Systems Sound & Communications Grades 11-12 (Double Period)

Through hands-on, interactive projects students in Electrical Systems Technology explore a vast assortment of electronic communication systems to include: computers and computer networks, video security surveillance, burglar alarm, fire alarm, professional sound systems, and public address systems. Students will also receive training in the foundation elements of electronics, fiber optics, cabling and the physical setup of electronic systems.

- * PE Waiver Available
- * Create an Employability Portfolio
- * Earn OSHA 10 & Other Certifications

CUSD Construction Careers 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.

Classes are available to all grade levels and generally require no pre-requisites.

ROP UCCI Building Scaled Structures Grades 11-12 (Double Period) UC A-G

This course provides students the opportunity to apply academic knowledge and technical skills through a hands-on curriculum developed to integrate construction skills and concepts with applied mathematics and English. Students will design and build a variety of advanced structures such as sheds and tiny-houses. Additionally, students will reinforce math, and English skills using written projects, construction documents that include creating blueprints and 3d modeling.

- * PE Waiver Available
- * Create an Employability Portfolio
- * Earn OSHA 10 & Other Certifications

ROP Building Trades Grades 11-12 (Double Period) Off-Campus Internship

This unique course allows students the opportunity to work off-campus with select community partners in construction related occupations including traditional construction, architecture, engineering, surveying, electrical, electronics, welding, project management and many others. Interested students must have advanced maturity, developed work ethic and a driver's license and/or reliable transportation.

- * PE Waiver Available
- * Create an Employability Portfolio
- * Earn OSHA 10 & Other Certifications
- * Driver's License and/or Reliable Transportation Required

WHAT ARE THE BENEFITS OF THE CONSTRUCTION PATHWAY?

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

COLLEGE CREDIT & INDUSTRY CERTIFICATIONS

UC Approved Classes

- UCCI Building Scaled Structures
- Building Information Modeling (BIM)

Dual Enrollment – College Credit

- Fresno City College Construction 50

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 CONSTRUCTION PATHWAY PLEASE CONTACT:

PATHWAY DIRECTOR

Mr. John "Jay" Eichmann
JayEichmann@cusd.com
(559) 327-1306

CTE LEARNING DIRECTOR

Ms. Demetra Vincent-Walker
DemetraVincentWalker@cusd.com
(559) 327-1347

CTE COUNSELOR

Mr. Robert Shuman
RobertShuman@cusd.com
(559) 327-1101

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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

Clovis Unified School District

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Choose your path – Build your future.