

## ARCHITECTURAL DESIGN PATHWAY

### Program Description

Students trained in the Architecture Pathway will develop an overview of basic design functions and operations. Upon completion of the pathway requirements, students will find that their skills are highly marketable and will have the training to be employable as an entry level position in the architecture and construction industry. Students selecting this pathway will engage in an instructional program that integrates academic and technical preparation combined with hands-on contextual learning, including: project-and work-based instruction, laboratory, and career preparation. Students will explore and develop their innate creative talents to implement designs of their own. Students will research and work in multiple areas including product design, materials, process bidding, and rapid prototyping. Through the completion of this program, students will learn the principles, history, and theory of design. Also, students will be able to use industrial and technological products and systems, learn how to use computer-aided technologies, and how to allocate materials and space efficiently. Further post-secondary education is highly recommended and may be required.

For more information go to:

- [www.onetonline.org](http://www.onetonline.org)
- [www.bls.gov/ooh/](http://www.bls.gov/ooh/)
- [www.careeronestop.org](http://www.careeronestop.org)
- [www.virtualjobshadow.com](http://www.virtualjobshadow.com)
- [www.collegegrad.com](http://www.collegegrad.com)
- [www.cacareerzone.org](http://www.cacareerzone.org)

### Interview Ready Portfolio

- Job Application
- Resume
- Cover Letter & Thank You Letter
- Letters of Recommendation
- Certificates of Achievement / Awards



### CTE PATHWAY CORD REQUIREMENT

#### Introductory Course (optional):

- Intro to Engineering Design (IED)
- Industrial Design (ID)

The following courses and program components are required for the pathway graduation cord and require a grade of “C-” or better:

#### Concentrator Course:

- \*Architecture 1

#### Capstone Course:

- \*Architectural Design

\*course offered at YCHS campus

#### Experiential Learning (20 hours):

- Projects require prior approval from instructor and instructor grade upon completion

#### Interview Ready Portfolio:

- Complete the Interview Ready Portfolio; including a final interview with a business partner

Upon completion of the program requirements, a certificate and graduation cord will be awarded.



# CTE Pathways to the Future



## ARCHITECTURAL DESIGN PATHWAY



**TECHNICAL SKILLS**

Architectural Design courses integrate writing, mathematics, reading, physical science and history.



**REAL WORLD EXPERIENCE**

Students apply learned skills and knowledge in job shadow opportunities with local business or through in-class real life simulations.

- Careers in this Pathway include:
- Architect
  - Drafter
  - Surveyor
  - Urban Developer
  - Building Inspector
  - Construction Manager



**CAREER EXPLORATION**

Students will explore career options and post high school requirements needed to transition to employment or additional education and training



**STUDENT LEADERSHIP**

Leadership training is an integral component of the Architectural Design Pathway

**Architects**

**2016 Employment**  
17,700

**2026 Employment**  
18,700

**Percent Change**  
(2016-2026)  
5.6%

**Annual Projected job openings**  
1,370

**Median Hourly Wage**  
\$43.34

**Median Annual Wage**  
\$90,153

**Entry Level Education**  
Bachelor's Degree

Source: EDD/LMID, California Projections 2016-2026