

Architecture and Construction Career Cluster

The Architecture and Construction Career Cluster focuses on designing, planning, managing, building, and maintaining the built environment. Principles of Architecture provides an overview to the various fields of architecture, interior design, and construction management.

Architectural Design



The Architectural Design program of study explores the occupations and educational opportunities associated with developing, engineering, and designing building structures and facilities. This program of study may also include exploration into collecting and interpreting geographic information, researching and preparing maps, and interior design.

Secondary Courses for High School Credit

Level 1

- Principles of Architecture

Level 2

- Architectural Design I

Level 3

- Architectural Design II ¹

Level 4

- Practicum in Architectural Design



Postsecondary Opportunities

Associates Degrees

- Architecture
- Civil Engineering, General
- Geographic Information Science and Cartography

Bachelor's Degrees

- Architecture
- Civil Engineering, General
- Geographic Information Science and Cartography

Master's, Doctoral, and Professional Degrees

- Architecture
- Civil Engineering, General
- Geographic Information Science and Cartography

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Participate in SkillsUSA or Technology Student Association (TSA)

Work-Based Learning Activities

- Intern at an architectural firm
- Shadow an architect

Industry-Based Certifications

- Autodesk Associate (Certified User) AutoCAD ¹
- Autodesk Associate (Certified User) Revit Architecture ¹



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Architects	\$91,000	1,000	18%
Architectural and Civil Drafters	\$58,000	1,400	16%

Successful completion of the Architectural Design program of study will fulfill requirements of the Business and Industry endorsement. Revised – January 2023

Architectural Design Course Information

Level 1

COURSE NAME	SERVICE ID	PREREQUISITES	GRADE LEVEL(S)
Principles of Architecture	13004210 (1 credit)	None	9

Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	GRADE LEVEL(S)
Architectural Design I	13004600 (1 credit)	Principles of Architecture, Algebra I & English I	10

Level 3

COURSE NAME	SERVICE ID	PREREQUISITES	GRADE LEVEL(S)
Architectural Design II	13004700 (2 credits)	Architectural Design I & Geometry	11

Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	GRADE LEVEL(S)
Practicum in Architectural Design	13004800 (2 credits)	Architectural Design II	12

FOR ADDITIONAL INFORMATION ON THE ARCHITECTURE AND CONSTRUCTION CAREER CLUSTER,
PLEASE CONTACT YOUR CAMPUS CTE COUNSELOR
<https://tea.texas.gov/cte>

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