

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 Drafting & Design Statewide Program of Study



The Architectural Drafting & 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
- Interior Design I

Level 3

- Architectural Design II
- Interior Design II

Level 4

- Practicum in Architectural Design
- Practicum in Interior Design

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none">Shadow an architect, interior designer or civil engineerParticipate in SkillsUSA	<ul style="list-style-type: none">Intern at an architectural firm

GPISD Industry-Based Certifications

- Autodesk Associate (Certified User) Revit Architecture

Postsecondary Opportunities

Associates Degrees

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

Bachelor's Degrees

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

Master's, Doctoral, and Professional Degrees

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

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Architects	\$77,043	808	16%
Geographic Information Analysts and Surveyors	\$58,926	162	27%
Architectural/ Civil Drafters	\$50,170	1,068	9%
Construction Managers	\$87,402	2,401	14%

Successful completion of the Architectural Design program of study will fulfill requirements of the Business and Industry endorsement or STEM endorsement if the math and science requirements are met. Revised – August 2022

Architecture & Construction Cluster

Business and Industry Endorsement

Also Satisfies STEM Endorsement

Architectural Drafting & Design Program of Study

Principles of
Architecture
(1 Credit)
9th—12th

Interior Design Sequence

Interior Design 1
(1 Credit)
10th—12th

Interior Design 2
(2 Credits)
11th—12th

Practicum in
Interior Design
(2 Credits)
12th

Architectural Design Sequence

Architectural Design 1
(1 Credit)
10th—12th

Architectural Design 2
(2 Credits)
11th—12th

Practicum in
Architectural Design
(2 Credits)
12th

Students may earn the Business & Industry Endorsement by successfully completing 4 or more credits from any combination of pathways above and/or 1 or more of the following:

- Touch System Data Entry (0.5 credit)
- Global Business (0.5 credit)
- Business Information Management I (1 credit)
- Professional Communication (0.5 credit)