



Principles of Architecture

Level 1

Architectural Design I
Interior Design I
Computer Aided Drafting for Architecture

Level 2

Architectural Design II
Interior Design II
Civil Engineering and Architecture (PLTW)

Level 3

Practicum in Architectural Design
Career Preparation I

Level 4

| HIGH SCHOOL/ INDUSTRY CERTIFICATION | CERTIFICATE/ LICENSE* | ASSOCIATE'S DEGREE | BACHELOR'S DEGREE | MASTER'S/ DOCTORAL PROFESSIONAL DEGREE |
|--|---|--|--|--|
| Autodesk Certified Professional or User in AutoCAD | Certified Photogrammetric Technologist | Architecture | Architecture | Architecture |
| Autodesk Certified Professional or User in AutoCAD Civil 3D | Certified Development, Design & Construction Professional | Interior Design | Interior Design | Interior Architecture |
| Autodesk Certified Professional or User in Autodesk Revit Architecture | National Council Certified Interior Designer | Civil Engineering, General | Civil Engineering, General | Civil Engineering, General |
| Autodesk Certified Professional or User in Autodesk Revit MEP Electrical | LEED AP Building Design & Construction | Geographic Information Science and Cartography | Geographic Information Science and Cartography | Geographic Information Science and Cartography |

| 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% |

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

| WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES | |
|--|--|
| Exploration Activities: | Work Based Learning Activities: |
| Shadow an architect, interior designer, or civil engineer. SkillsUSA | Intern at an architecture firm. |

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.



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.

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 - July 2020



COURSE INFORMATION

| COURSE NAME | SERVICE ID | PREREQUISITES (PREQ) COREQUISITES (CREQ) | Grade |
|---|--|---|-------|
| Principles of Architecture | 13004210 (1 credit) | None | 9-12 |
| Architectural Design I | 13004600 (1 credit) | PREQ: Algebra I and English I | 10-12 |
| Interior Design I | 13004300 (1 credit) | PREQ: Algebra I and English I | 10-12 |
| Computer Aided Drafting for Architecture | N1300429 (1 credit) | None | 10-12 |
| Architectural Design II | 13004700 (2 credits) | PREQ: Architectural Design I or Advanced Interior Design and Geometry | 11-12 |
| Interior Design II | 13004400 (2 credits) | PREQ: English II, Geometry, and Interior Design I | 11-12 |
| Civil Engineering and Architecture (PLTW) | N1303747 (1 credit) | None | 9-12 |
| Practicum in Architectural Design | 13004800 (2 credits) 13004805 (3 credits) 13004810 (2 credits) 13004815 (3 credits) | PREQ: Architectural Design II | 12 |
| Career Preparation I | 12701300 (2 credits) 12701305 (3 credits) | None | 11-12 |
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FOR ADDITIONAL INFORMATION ON THE ARCHITECTURE AND CONSTRUCTION CAREER CLUSTER, PLEASE CONTACT:
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<https://tea.texas.gov/cte>