

# Architectural Design I

## Scope and Sequence

### Course Description:

In Architectural Design I, students will gain knowledge and skills needed to enter a career in architecture or construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, or landscape architecture. Architectural Design I includes the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for non-residential or residential architectural purposes. (1 Credit) Students in this class are eligible to apply for PLA (Prior Learning Assessment) credit through Lone star college to earn credits toward an associate degree in Architectural design.

- Grades 9-12
- Lab supplies or fee is required
- Required prerequisite: Principles of Architecture
- Recommended prerequisite: Geometry

### TEKS

**Cluster:** *Architecture & Construction*

**Programs of Study:** *Architectural Drafting and Design*

**Endorsement:** *Business & Industry*

- Meets advanced course requirement (Y/N): *No*
- Meets foundation requirement for math, science, fine arts, English, LOTE (Y/N-area): *No*

Industry Certification/Credentials: *None*

Instructional Units	Pacing
Professionalism and safety in the workplace Career Exploration Design Process and Sketching History of Architectural Design Architectural Planning Residential Plan Development in CAD	1st Semester
Residential Plan Development in CAD (continued) Introduction to 3D CAD Residential Design Project 3D CAD Construction Plans Presentation Modeling	2nd Semester

**Primary Instructional Materials:** *Architecture: Residential Drafting and Design, 12th Edition*