

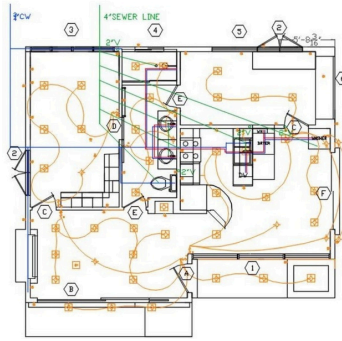
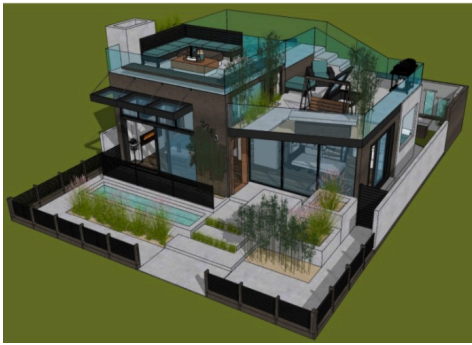
# Architectural Design

Engineering & Architecture Industry



## Program Overview

The Architectural Design Pathway lets students explore building design, drafting, and 3D modeling. Gain hands-on experience with industry software while learning creative problem-solving and preparing for careers in architecture, engineering, or construction with skills in design, planning, and project management.



## Course Sequence

Architecture  
Design

Architectural  
Design 2

## Student Experiences

These **hands-on courses** introduce students to the world of architectural design through the lens of American residential architecture. Using industry-standard software Chief Architect, students will design and draft their own residential homes while exploring construction techniques and the evolution of American architectural styles. *Students will:*

- Use **Chief Architect** to create floor plans, elevations, 3D renderings, and full construction documents
- Develop problem-solving skills by working through design challenges
- Present their designs in professional portfolio format, both digitally and physically

## College & Career Ready

Students develop **real-world business skills** in communication, critical thinking, teamwork, leadership, and problem solving. Students emerge ready to take the next step with an understanding of:

- Fundamental skills in Architectural Drafting & Chief Architect Tools
- Knowledge of the History of American Homes: Style, Function, and Influence
- Construction Methods: From Blueprint to Build
- Site Planning and Residential Design Codes

Learners will demonstrate skills through their Capstone Project: Design Your Dream Home



# Pathways to Success!