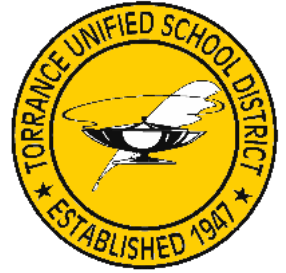


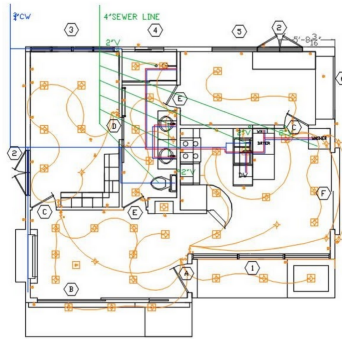
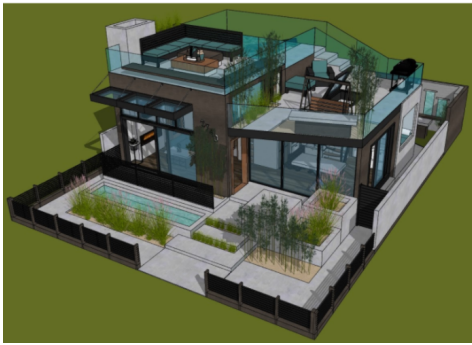
# Architectural Design

## Engineering & Architecture Industry



### Program Overview

The Torrance Unified School District Architectural Design Pathway provides students with the academic and technical skills needed to be successful in the field of Architecture & Drafting. Students will learn the engineering design process, ISO 128 standards, orthographic and isometric mechanical drawings, working drawings for commercial and residential architecture, and Autodesk software (AutoCAD and Fusion360).



### Course Sequence

Design & Architecture

Advanced Design & Architecture

### Student Experiences

Students are involved in **real-world learning experiences** on campus and in the community.

- Capstone Project-Redesigning a 2-Bedroom Beach House
- Use of Autodesk Software 2D & 3D
- Use the Engineering Design Process
- Use of Universal Drafting Standards
- Membership in **SkillsUSA** with the opportunity to participate in regional, state, and national competitions.

### College & Career Ready

Students develop **soft skills** in communication, critical thinking, teamwork, leadership, and work ethic.

Students can earn an **industry certification** in

- AutoCAD

The Design & Architecture course is aligned with **EI Camino's** Computer-Aided Design/Drafting 5 course.

Students earn **UC/CSU "G" elective credit** and are prepared to enter a **degree program** in Architecture.

