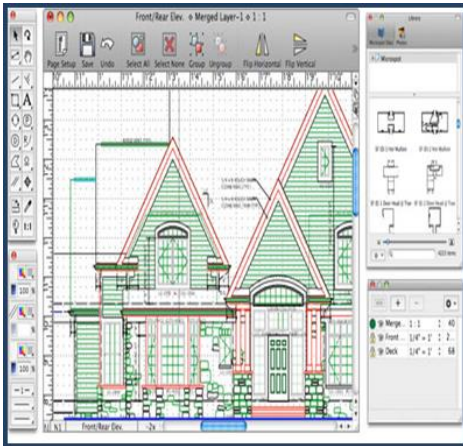


# Architectural Design I



**Prerequisite:** Principles of Architecture AND Geometry

**Course:** 166OCT

**Credits:** 1

**Length:** 18 weeks

**Placement:** 10-12

## Course Description

Do you like to draw? Do you like to make things for your room? Learn to draw in AutoCAD (Automated Computer Aided Design) and learn to use all the architecture tools: drafting table, drawing board, compass, protractor, T-square, French curve and architect's scale. If you like drawing or sketching, you need to enroll in the Architecture Design program. Learn to design a floor plan (rooms in your house) in AutoCAD and learn to make a model of your house.

## Student Activities

In class, you will learn to draw letters used by Architects. Students will learn how to use a tape measure to measure rooms, houses and buildings. Students will draw a picture of their parents' houses which is called the floor plan and elevations views. Students will learn how to draw orthographic projections and multi-view drawings using all of the architect's tools. Students will learn to draw two-dimensional drawings on the computer using AutoCAD. The final product in the Architecture Design I class is to draw a floor plan on  $\frac{1}{4}$ " graph paper and build a model house using foam board.

## Organizations

### Additional Considerations

Students must have successfully completed Algebra I and Geometry without modification.



SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce.