Architectural Design and Drawing is a course that deals with a broad variety of residential architecture questions. The course is designed with a wide variety of students in mind. In the first semester students will all complete the same projects from a set list. This will help to introduce or reinforce basic architectural concepts. The second semester will deal with individualized projects. This will allow the student to move in a direction of their choosing based on their interests. Work for this class will be completed using traditional drawing techniques as well as CAD systems.

Prerequisites:

Students should have completed at least one of the following classes:
Design and Drawing, CAD, Advanced CAD, Materials Processing Woods, Construction, Principles of Engineering, or any Art Class

Semester 1 Topics:

1. Research paper and presentation on an assigned building
2. Compare and contrast different residential styles
3. What makes a floor plan work
4. Design a kitchen
5. Design a bathroom
6. Develop a floor plan
7. Wall Section
8. Foundation Plan
9. Plot Plan
10. Elevations
11. Alternative building concepts
12. Energy efficiency

Semester 2:
Students will complete individualized projects such as:
1. Develop a complete set of house plans
2. Develop a basic set of plans and a model
3. Work on alternative designs
4. Interior design
5. Room design
6. Furniture design with a model or prototype

Students will be expected to be productive the entire semester which may require 1 or several projects based on the scope of the project.