

The following learning targets represent the major concepts studied and assessed in this course. Updated 2022 - 2023

Semester 1

Unit 1: History of Architectural Drafting:

- Conducting Research and Compare Data
- Architectural History
- Lego Architecture

Unit 2: Hand Sketching and Lettering:

- Hand Sketching
- Scaling Drawings
- Perspective Drawing
- Engineering Lettering Techniques

Unit 3: Autodesk AutoCAD (Computer Aided Software):

- Introduction to AutoCAD Drafting

Unit 4: Autodesk Revit:

- House Creations in Revit Computer Aided Drafting Software

Semester 2

Unit 5: Design Elements and Building Codes:

- Past and Present Building Code Specifications
- Design in “Today’s Society”

Unit 6: Design Projects:

- Students select various Design Projects to create
- Working on Deadlines
- Working in Groups

Semester Final Project:

- A Large Project incorporating all the year learning goals

Unit 9: 3D Printing:

- Creating Solutions to Problems
- 3D Printing using Inventor

Unit 10: Working Drawings:

- Explosion Views
- Mechanical Assemblies
- Complete Working Drawings
- Design Challenges