

AEC 110 : Basic AutoCAD

Credits: 4

Class Hours: 4 lecture

Prerequisites: "C" or higher or concurrent enrollment in AEC 101.

Description: This course introduces the foundations of AutoCAD. Included are the basic commands and operations from 2D drawing and editing tools to the creation of solid models and renderings. Students study 2D drawing, text, dimensions, blocks, hatching, reference files, sharing data, 3D drawing, and plotting capabilities. Students are provided additional concepts and tools that demonstrate technical knowledge essential to the architectural, engineering, and construction technology related fields.

Semester Offered: Spring

Course Student Learning Outcomes (CSLOs):

1. Execute the basic commands necessary to create 2D and 3D drawings using AutoCAD.
2. Create, render, and manipulate 3D AutoCAD drawings, and convert 2D drawings to 3D drawings.
3. Apply the full range of AutoCAD commands, options, keyboard, toolbar, and menu interfaces as acceptable for employment as a CAD technician.
4. Demonstrate the proper use of industry-accepted terms and drawing setup.
5. Manage files within an AutoCAD drawing project.
6. Work from written as well as oral instructions. Use assigned time efficiently for productive work and to meet production deadlines.