COMPUTER-AIDED DESIGN CERTIFICATE

11 Semester Credit Hours; Curriculum: 0273

The Computer-Aided Design Certificate prepares students for CAD drafting job positions using AutoCAD software. Students will be proficient in drawing setup and drafting techniques for mechanical and architectural applications as well as general design fundamentals using CAD. Possible job positions include: Mechanical Draftsperson, Architectural Draftsperson, and General Design Draftsperson. This certificate can be completed in one semester.

Code	Title	Hours
Courses for a Certificate		
CAD 116	Basic AutoCAD	3
CAD 117	Intermediate AutoCAD	4
CAD 118	Advanced AutoCAD	4
Total Hours		**11**

Program Learning Outcomes

1. Create 2D and 3D computer drawings and models for manufacturing and prototyping using AutoCAD.
2. Evaluate computer aided design models and assemblies based on critical thinking and problem solving skills.
3. Develop a solution through group work.