

ADVANCED MANUFACTURING AND DESIGN TECHNOLOGY - CERTIFICATE OF ACHIEVEMENT

Plan Code: 3923

The Advanced Manufacturing Technology department will be offering several Certificates of Achievement to provide students the knowledge and training they need to enter a specialized career or enhance their skills for advancement in their job. Coursework completed while earning a Certificate can also be applied to the Associate Degree. The Advanced Manufacturing and Design Technology certificate provides a student the necessary skills for an entry-level/internship opportunity in the advanced manufacturing field with a focus on Computer Aided Design, and Computer Aided Manufacturing.

Program Student Learning Outcomes

- Demonstrate the ability to create and interpret mechanical engineering drawings and specifications.

Program Requirements

Code Number	Course Title	Units
REQUIRED COURSES		
CAD 1	Intro Computer Aided Design SolidWorks	3
CAD 2	Intro to Computer Aided Design AutoCAD	3
CAD 3	Intro to Computer Aided Design CATIA	3
CAD 4	Geometric Dimensioning and Tolerancing	3
CAD 5	Intro to CAD/CAM MasterCAM	3
CAD 6	Computer Aided Design Advanced	3
ETEC 60	Material Science for Engineering Tech	3
Total Units		21