

MECHANICAL DRAFTING AND DESIGN: CERTIFICATE OF ACHIEVEMENT

This certificate will help students prepare for a future in mechanical drafting and design as an entry level mechanical drafter and will prepare students for continuation in the Digital Design Graphics Technology Program. Upon successful completion of the required classes for the Mechanical Drafting and Design Certificate, students will be prepared for employment in entry level mechanical drafting, design, and related fields. Students will have the ability to communicate successfully using industry standards and terminology. Students will be able to create detailed 2D drawing plans based off of 3D models and create physical 3D printed prototypes using the latest release of the Autodesk AutoCAD, Inventor, and Fusion 360 software.

Career Opportunities

Entry level mechanical drafting and design.

Program Learning Outcomes

1. Create Physical and Digital Media.
2. Effectively apply current technology.
3. Perform industry specific skills.

Degree Requirements

Code	Title	Units
Required Courses		
DDGT-120	Digital Design Graphics Technology 1	7
DDGT-121	Digital Design Graphics Technology 2	7
DDGT-130	Introduction to 3D Printing	3
Total Units		17

Notes:

1. DDGT-130 can be taken independently of DDGT-120 and DDGT-121.
2. DDGT-120 and DDGT-121 to be taken sequentially.
3. The software taught and utilized in this program may be subject to change to reflect current industry standards.