

ENGINEERING DRAFTING & DESIGN - CERT A: MANUFACTURING EMPHASIS

The Engineering Drafting & Design - Cert A: Manufacturing Emphasis program equips students with core skills in technical drawing and design for manufacturing applications. Students build a foundation in 2D drafting with AutoCAD, then advance to 3D modeling machine and industrial design projects developed in Inventor, creating detailed mechanical components and assemblies. Hands-on coursework emphasizes precision, materials knowledge, and real-world production workflows, preparing graduates for entry-level roles in manufacturing, mechanical drafting, and product design environments.

Program Information

- Program Start (semesters): August
- Financial Aid available (for post-secondary students only): Yes
- Veteran Benefits Eligible (for post-secondary students only): Yes
- Industry-recognized credentials: AutoCAD Certified User and Inventor Certified User

Certificate Requirements

Code	Title	Hours
TED 108	Introduction to Drafting	3
TED 128	Computer Aided Drafting I	3
TED 135	Computer Aided Drafting II	3
TED 145	Computer Aided Drafting III	3
TED 138	Machine Design	4
TED 248	Manufacturing Design	4
TED 148	Industrial Design	4
Total Hours		24