

ENGINEERING DRAFTING & DESIGN - CERT C

The Engineering Drafting & Design – Certificate C program equips students with practical skills in both traditional drafting and modern design technologies, essential across the fields of architecture and engineering. Students develop expertise in creating precise, standards-based technical drawings and 3D models using industry-standard software such as AutoCAD, Revit, Civil 3D, and Inventor. The coursework emphasizes hands-on experience with real-world projects, including residential and commercial building design, mechanical components, manufacturing processes, and civil infrastructure. Mathematical principles are integrated throughout to enhance problem-solving and ensure technical accuracy. With a strong focus on applied learning, digital workflows, and industry best practices, the program prepares students for entry-level roles in drafting and design.

Program Information

- Program Start (semesters): August; January
- Financial Aid available (for post-secondary students only): Yes
- Veteran Benefits Eligible (for post-secondary students only): Yes
- Industry-recognized credentials: AutoCAD Certified User, Revit Certified User, 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
TED 208	Architectural Design I	3
TED 215	Architectural Design II	3
TED 216	Architectural Design III	3
TED 217	Architectural Design IV	3
TED 228	Civil Design I	3
TED 235	Civil Design II	3
TED 236	Civil Design III	3
TED 238	Structural Design	3
or TED 255	Presentation&Special Projects	
or TED 260	OJT/Internship	
Total Hours		48