

Industrial Manufacturing Technology (601)

Computer-Aided Design Mechanical (Certificate)

About Our Program

This program is designed to prepare students to be a CAD technician in the manufacturing and/or engineering industries.

Nature of Work and Employment

Graduates of this program prepare clear, accurate, and detailed drawings from the rough sketches, specifications, and calculations of engineers and designers. These drawings are used for engineering and manufacturing purposes according to the specified dimensions. CAD/CAM technicians also use computer-controlled systems to assist industrial designers and engineers in designing products and carrying out automated processes.

Program Contacts

Call Highland at 815-235-6121 for the following program contacts:

- Scott Anderson, Vice President of Business, Technology, and Community Programs
- Aaron Sargent, Industrial Technology Faculty
- Thedford Jackson, Transfer Coordinator/Student Advisor

Required Courses

*	BUSN	141	Business Communications (or ENGL 121 or COMM 101)	3
	DRAF	105	Computer-Aided Drafting (CAD) I	3
*	DRAF	106	Drafting Fundamentals I	3
	DRAF	110	Print Reading and Inspection	2
*	DRAF	260	CAD-3D Solid Modeling (or DRAF 151)	4
*	MATH	111	Technical Math	3
*	MTEC	110	Geometric Dimensioning & Tolerancing	3

Total Hours = 21

* Course has a prerequisite. See course descriptions.

In compliance with U.S. Department of Education disclosure guidelines, gainful employment statistics for certificate programs can be found at highland.edu/academics.