

Industrial Manufacturing: Machine Processes (607)

CERTIFICATE PROGRAM

About Our Program

The Machine Processes certificate provides students with the opportunity to gain basic and intermediate level experience in the areas of computer numerical control (CNC) and computer-aided drafting (CAD).

Nature of Work and Employment

Completers of this program will be fluent in CNC machine operation and will have entry-level setup skills. They will have the knowledge and skill to gain employment in manufacturing facilities utilizing CNC machining.

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
- Vicki Schulz, Student Advisor/Transfer Coordinator

First Semester

14 Credit Hours

DRAF	105	Computer Aided Drafting	3	
DRAF	110	Print Reading and Inspection	2	
*	MATH	111	Technical Math (or higher level)	3
*	MTEC	151	Introduction to CNC Machining	3
*	MTEC	280	CNC Lathe	3

Second Semester

12 Credit Hours

*	BUSN	141	Business Communications (or ENGL 121 or COMM 101)	3
	MTEC	164	Manufacturing Processes	3
*	MTEC	270	CNC Mill	3
	WELD	130	Introduction to Welding	3

Total Credit Hours =

26

* Course has a prerequisite. See course description.