

Industrial Manufacturing: CNC Machinist (644)

CERTIFICATE PROGRAM

About Our Program

CNC Machinist certificate graduates enter industry with a basic skill set that will enable them to go beyond operating machine tools and basic CNC machining.

They will have the ability to set up and tool machines as well as troubleshoot programming issues. Students also gain knowledge of basic machining and manufacturing processes.

This certificate includes an internship where students develop skills while applying knowledge gained through the program.

Nature of Work and Employment

Graduates will be fluent in CNC machine setup and will be prepared for employment in manufacturing facilities utilizing CNC machining or CAD-related work.

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 11 Credit Hours

	DRAF	105	Computer Aided Drafting	3
	DRAF	110	Print Reading and Inspection	2
*	MTEC	151	Introduction to CNC Machining	3
*	MTEC	270	CNC Mill	3

Second Semester 13 Credit Hours

*	DRAF	260	CAD-3D Solid Modeling	4
*	MATH	111	Technical Math (or higher level)	3
	MTEC	164	Manufacturing Processes	3
*	MTEC	280	CNC Lathe	3

Summer 2 Credit Hours

*	OCED	290	Workplace Experience	2
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Third Semester 11 Credit Hours

*	BUSN	141	Business Communications (or ENGL 121 or COMM 101)	3
*	MTEC	285	Advanced CNC Machining	3
*	OCED	290	Workplace Experience	2
	WELD	130	Introduction to Welding	3

Total Credit Hours 37

* Course has a prerequisite. See course description.