

# 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 and to 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, Dean of Business & Technology
- Aaron Sargent, Industrial Technology Faculty
- Thedford Jackson, Transfer Coordinator/Student Advisor



### First Semester 11 Sem. Hours

DRAF	105	Computer Aided Drafting	3
DRAF	110	Print Reading and Inspection	2
* MTEC	151	Machine Processes	3
* MTEC	280	CNC Lathe	3

### Second Semester 13 Sem. Hours

* DRAF	260	CAD-3D Solid Modeling	4
* MATH	111	Technical Math (or higher level)	3
MTEC	164	Manufacturing Processes	3
* MTEC	270	CNC Mill	3

### Summer 2 Sem. Hours

* OCED	290	Workplace Experience	2
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### Third Semester 11 Sem. Hours

* BUSN	141	Business Communications (or ENGL 121 or COMM 101)	3
* MTEC	285	Advanced CNC Machining	3
* OCED	290	Workplace Experience	2
		Technical Elective	3

### Total Hours 37

\* 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 [www.highland.edu/hcc\\_academics](http://www.highland.edu/hcc_academics).