



Industrial Maintenance (623)

Certificate Program

ABOUT OUR PROGRAM

When completers of the Industrial Maintenance program enter industry, they bring with them a wide range of skills that local and regional employers are seeking.

They have experience in welding, mechanics, electronics, motors, and fluid power systems. Students also gain experience with computer applications and programmable logic controllers. Problem solving and troubleshooting are emphasized throughout the program. The degree includes health and safety instruction.

NATURE OF WORK AND EMPLOYMENT

Graduates of this program are prepared to work as entry level industrial maintenance or manufacturing plant technicians. Typical career positions include maintenance mechanic, troubleshooter, machine installer, and tool/equipment specialist.

PROGRAM CONTACTS

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

- Scott Anderson, Dean of Business & Technology
- Steve Gellings, Electronics Faculty
- Thedford Jackson, Transfer Coordinator/Student Advisor

First Semester

15 Sem. Hours

* BUSN	141	Business Communications (or ENGL 121 or COMM 101)	3
* ELET	179	Electronic Principles	3
* INFT	180	Introduction to Information Systems	3
* MATH	111	Technical Math (or higher level)	3
WELD	130	Introduction to Welding (or WELD 135)	3

Second Semester

14 Sem. Hours

* ELET	293	Intro to Programmable Logic Controllers	3
MTEC	120	Equipment Maintenance Skills	3
* MTEC	151	Machine Processes	3
* MTEC	263	General Hydraulics	3
OCED	117	Occupational Safety	1
OCED	118	Health and Safety Topics	1

Third Semester

6 Sem. Hours

* ELET	220	Motors and Controls	3
		Technical Elective	3

Total Hours

35

* 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.

