

Industrial Manufacturing Technology (628)

Basic Welding (Certificate)

About Our Program

The Basic Welding program provides the academic and technical skills as well as the occupational basics for the person wishing to enter the field as a novice worker.

Nature of Work and Employment

Graduates of this program have the entry-level job skills required in welding and metal fabrication. These skills are developed in the areas of Print Reading, Materials, Layout, Shielded Metal Arc Welding (SMAW), and Metal Inert Gas Welding (GMAW).

Special Considerations

This work requires laying out jobs according to drawings or blueprints and determining the welding method best suited for the metals being fused.

Program Contacts

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

- Scott Anderson, Vice President of Business, Technology, and Community Programs
- Todd Vacek, Welding Faculty
- Vicki Schulz, Student Advisor/Transfer Coordinator

Required Courses

*	BUSN	125	Mathematics of Business	
			-or-	3
*	MATH	111	Technical Math	
*	BUSN	141	Business Communications (or COMM 101 or ENGL 121)	3
	DRAF	110	Print Reading and Inspection	2
			Technical Elective from DRAF or MTEC	2

Welding

1st course in Sequence A or B (see sequences below) 3

Welding

2nd course in Sequence A or B (see sequences below) 3

Sequence A

	WELD	130	Introduction to Welding	
			and	
*	WELD	232	Intermediate Welding and Fabrication	

Sequence B

	WELD	135	Shielded Arc and Oxy-Acetylene Welding	
			and	
*	WELD	233	Advanced Welding Processes	

Total Credit Hours = 16

* Course has a prerequisite. See course description.