

WELDING  
Certificate  
Catalog 2008-2009

The Welding/Metal Fabrication Program stresses the practical applications of welding on plate and pipe in all positions and the necessary theory to support those skill levels. Welding skills are developed by using the following processes: oxy-acetylene, stick electrode, metal inert gas (MIG), and tungsten-inert gas (TIG) welding. Support courses in mathematics, blueprint reading, drafting and metallurgy are included in the program.

**NOTE:**

1. A student must earn a grade of "C" or higher in order to receive a certificate.
2. Attendance is an intricate part of the learning process, thus, poor attendance can contribute to poor student success.
3. **All courses must be taken in course number sequence.**
4. Recommended course sequencing for first time students:

**One Year Certificate**

				Credit	
<b>1st Semester</b>				Hours	Grade
___	WELD	128	Blue Print Reading for Welders	3	_____
___	WELD	129	Basic Welding I	4	_____
___	WELD	130	Basic Welding II	4	_____
___	WELD	131	Basic MIG Welding	4	_____
___	WELD	132	Basic TIG Welding	<u>4</u>	_____
Total				19	
<b>2nd Semester</b>					
___	MATH	113	Applied Math for Vocational Students	3	_____
___	WELD	133	Plate Welding I	4	_____
___	WELD	134	Plate Welding II	3	_____
___	WELD	135	Introduction to Metal Fabrication I	3	_____
___	WELD	136	Introduction to Metal Fabrication II	<u>3</u>	_____
Total				16	
Total Credits 35					

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<b>3rd Semester</b>					
___	ENGL	118	Technical Composition	3	_____
___	WELD	204	Pipe Welding 1-G/2-G Position	3	_____
___	WELD	205	Pipe Welding 5-G/6-G Position	4	_____
___	WELD	206	Intermediate Metal Fabrication I	3	_____
___	WELD	207	Intermediate Metal Fabrication II	4	_____
___	WELD	211	Welding Related Metallurgy	<u>3</u>	_____
Total				20	
<b>4th Semester</b>					
___	DRFT	111	Drafting for Industry	3	_____
___	WELD	208	Advanced 2-G/5-G Pipe Welding	3	_____
___	WELD	209	Advanced 6-G Pipe Welding	3	_____
___	WELD	217*	Pipe Fabrication and Layout I	4	_____
___	WELD	218	Pipe Fabrication and Layout II	4	_____
___	WELD	229*	Template Theory and Construction	<u>3</u>	_____
Total				20	
Total Credits 75					

**NOTE:** Courses indicated with an asterisk (\*) must be taken together.