

WELDING
Certificate Program
Catalog 2009-2010

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.**

Recommended course sequencing for first time students:

One Year Certificate

1st Semester	Credit Hours	Grade
___ WELD 128 Blueprint 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	
2nd Semester		
___ 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		

Two Year Certificate

3rd Semester		
___ 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	
4th Semester		
___ 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.