

WELDING
Certificate Program
Catalog 2010-2011

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, gas metal arc welding (GMAW), and gas tungsten arc gas welding (GTAW). 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 degree.
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 sequences.**

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 Math for Technical Careers	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		
____ 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	17	
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	23	
Total Credits 75		

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