

WELDING
Associate of Applied Science Degree
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.**

Below is the recommended course sequencing for first time students:

1st Semester					
_____	WELD	128	Blue Print Reading for Welders (offered fall semester only)	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	
3rd Semester					
_____	ENGL	118	Technical Compositions	3	_____
_____	COMM	110	Public Speaking OR		
_____	COMM	111	Interpersonal Communication	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 (offered fall semester only)	<u>3</u>	_____
			Total	23	
4th Semester					
_____	DRFT	111	Drafting for Industry (offered spring semester only)	3	_____
_____	ENGL	218	Advanced Technical Composition	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	3	_____
_____	_____	_____	Humanities/Social Science Elective**	<u>3</u>	_____
			Total	26	

Total Credits for this degree is 84 credits

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

** See page 37 for Humanities and Social Science Elective, 2010-2011 San Juan College catalog.