WELDING
Associate of Applied Science Degree
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 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:

1st Semester					
____	ENGL	118	Technical Compositions	3	_____
____	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	4	_____
				Total 22	
2nd Semester					
____	ENGL	218	Advanced Technical Composition	3	_____
____	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	3	_____
				Total 19	
3rd Semester					
____	SPCH	110	Public Speaking **OR**		
____	SPCH	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)	3	_____
				Total 20	
4th Semester					
____	DRFT	111	Drafting for Industry (offered spring semester only)	3	_____
____	_____	___	Humanities/Social Science Elective**	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	_____
				Total 23	

Total Credits for this degree is 84 credits

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

** See page 45, Humanities and Social Science Elective, 2009-2010 San Juan College catalog.