

[Previous Page](#)
[MCC Academics](#)
[MCC Home](#)

**WELDING
Diploma
Course and Hour Requirements**

Title	Class	Lab	Hours Clinical	Work Experience	Credits
I. General Education Courses					
Communications require six SHC for degree or three SHC for diploma. Humanities/Fine Arts, Social/Behavioral Science and Natural Sciences/Mathematics all require three SHC.					
ENG 101	Applied Communications I	3	0	0	3
MAT 101	Applied Mathematics I	2	2	0	<u>3</u>
					6
II. Major Courses					
A. Core					
1. Required Courses					
WLD 110	Cutting Processes	1	3	0	2
WLD 115	SMAW (Stick) Plate	2	9	0	5
(WLD 115A	SMAW (Stick) Plate A	1	6	0	3)
(WLD 115B	SMAW (Stick) Plate B	1	3	0	2)
WLD 121	GMAW (MIG) FCAW/Plate	2	6	0	4
(WLD 121A	GMAW (MIG) FCAW/Plate A	1	3	0	2)
(WLD 121B	GMAW (MIG) FCAW/Plate B	1	3	0	2)
WLD 131	GTAW (TIG) Plate	2	6	0	4
(WLD 131A	GTAW (TIG) Plate A	1	3	0	2)
(WLD 131B	GTAW (TIG) Plate B	1	3	0	2)
WLD 141	Symbols & Specifications	2	2	0	<u>3</u>
					18
2. Required Subject Areas					
B. Concentration (If appropriate)					
C. Other Major Courses (Select a maximum of 9SHC from <i>identified</i> prefixes with the exception of no maximum for prefixes in the core or concentration)					
WLD 112	Basic Welding Processes	1	3	0	2
WLD 122	GMAW (MIG) Plate/Pipe	1	6	0	3

11/23/2010

(WLD 122A	GMAW (MIG) Plate/Pipe A	1	3	0	0	2)
(WLD 122B	GMAW (MIG) Plate/Pipe B	0	3	0	0	1)
WLD 116	SMAW (Stick) Plate/Pipe	1	9	0	0	4
(WLD 116A	SMAW (Stick) Plate/Pipe A	1	3	0	0	2)
(WLD 116B	SMAW (Stick) Plate/Pipe B	0	6	0	0	2)
WLD 151	Fabrication I	2	6	0	0	4
(WLD 151A	Fabrication I A	1	3	0	0	2)
(WLD 151B	Fabrication IB	1	3	0	0	2)
WLD 143	Welding Metallurgy	1	2	0	0	2
WLD 261	Certification Practices	1	3	0	0	<u>2</u>
						17

III. Other Required Courses (maximum of 7 for AAS, 4 SHC for diploma, and 1 SHC for certificate)

These may include electives, orientation, study skills, and other college or departmental graduation requirements.

Total Credits 41

WELDING
Certificate—Level I
Course and Hour Requirements

Title	Class	Lab	Hours Clinical	Work Experience	Credits	
I. General Education Courses						
Communications require six SHC for degree or three SHC for diploma. Humanities/Fine Arts, Social/Behavioral Science and Natural Sciences/Mathematics all require three SHC.						
II. Major Courses						
A. Core						
1. Required Courses						
WLD 110	Cutting Process	1	3	0	0	2
WLD 115	SMAW (Stick) Plate	2	9	0	0	5
(WLD 115A)	SMAW (Stick) Plate A	1	6	0	0	3)
(WLD 115B)	SMAW (Stick) Plate B	1	3	0	0	2)
WLD 121	GMAW (MIG) FCAW/Plate	2	6	0	0	4
(WLD 121A)	GMAW (MIG) FCAW/Plate A	1	3	0	0	2)
(WLD 121B)	GMAW (MIG) FCAW/Plate B	1	3	0	0	2)
2. Required Subject Areas						
B. Concentration (If appropriate)						
C. Other Major Courses (Select a maximum of 9SHC from <i>identified</i> prefixes with the exception of no maximum for for prefixes in the core or concentration)						
WLD 112	Basic Welding Processes	1	3	0	0	2

III. Other Required Courses (maximum of 7 for AAS, 4 SHC for diploma, and 1 SHC for certificate)

These may include electives, orientation, study skills, and other college or departmental graduation requirements.

WELDING
Certificate—Level II
Course and Hour Requirements

Title	Class	Lab	Hours Clinical	Work Experience	Credits	
I. General Education Courses						
Communications require six SHC for degree or three SHC for diploma. Humanities/Fine Arts. Social/Behavioral Science and Natural Sciences/Mathematics all require three SHC.						
II. Major Courses						
A. Core						
1. Required Courses						
WLD 131	GTAW (TIG) Plate	2	6	0	0	4
(WLD 131A	GTAW (TIG) Plate A	1	3	0	0	2)
(WLD 131B	GTAW (TIG) Plate B	1	3	0	0	2)
WLD 141	Symbols and Specifications	2	2	0	0	3
2. Required Subject Areas						
B. Concentration (If appropriate)						
C. Other Major Courses (Select a maximum of 9SHC from <i>identified</i> prefixes with the exception of no maximum for for prefixes in the core or concentration)						
WLD 116	SMAW (Stick) Plate/Pipe	1	9	0	0	4
(WLD 116A	SMAW (Stick) Plate/Pipe A	1	3	0	0	2)
(WLD 116B	SMAW (Stick) Plate/Pipe B	0	6	0	0	2)
WLD 122	GMAW (MIG) Plate/Pipe	1	6	0	0	3
(WLD 122A	GMAW (MIG) Plate/Pipe A	1	3	0	0	2)
(WLD 122B	GMAW (MIG) Plate/Pipe B	0	3	0	0	1)

III. Other Required Courses (maximum of 7 for AAS, 4 SHC for diploma, and 1 SHC for certificate)

These may include electives, orientation, study skills, and other college or departmental graduation requirements.

11/23/2010

Total Credits 14