

# WELDING TECHNOLOGY, CERTIFICATE OF ACHIEVEMENT (LEVEL II)

The responsibility for determining the transferability of this degree and courses to another institution is the sole responsibility of the student.

NMC Code 038

After completing the Welding Certificate Level I students may elect to obtain a Welding Certificate Level II. Students will advance their skills in this area through more laboratory experience using equipment representative of the welding industry. Welding classes can prepare students to be a certified welder or provide either a certificate or an Associate in Applied Science degree. The welding curriculum includes Oxyacetylene, Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), and Gas Tungsten Arc Welding (GTAW), on both ferrous and nonferrous materials.

## Requirements Certificate Requirements

Course	Title	Credits
<b>Level I Certificate Requirements</b>		
Complete the Level I Certificate Requirements		17
<b>Level II Certificate Requirements</b>		
DD 101	Print Reading and Sketching	3
DD 110	Basic Metallurgy	3
EET 103	Electrical Studies I	3
MFG 111	Math for Manufacturing	3
MFG 113	Machining I	3
<b>Total Credits</b>		<b>32</b>

## Course Sequence Guide

Course	Title	Credits
<b>Year 1</b>		
<b>Fall</b>		
DD 101	Print Reading and Sketching	3
MFG 113	Machining I (Fall only)	3
WPT 111	Welding Theory I (Fall only)	3
WPT 112	Welding Lab I (Fall only)	4
<b>Credits</b>		<b>13</b>
<b>Spring</b>		
MFG 111	Math for Manufacturing	3
EET 103	Electrical Studies I	3
DD 110	Basic Metallurgy (Spring only)	3
WPT 113	Welding Theory II (Spring only)	3
WPT 114	Welding Lab II (Spring only)	4
<b>Credits</b>		<b>16</b>
<b>Summer</b>		
WPT 161	Welding Qualification Prep (Summer only)	3
<b>Credits</b>		<b>3</b>
<b>Total Credits</b>		<b>32</b>