

## 2021-2022 Catalog Addendum

### WELDING AAS (98-113 CREDITS) 93-98 Credits

#### CIP Code

48.0508

#### Required Courses

### Welding AAS (98-113 Credits) 93-98 Credits

<a href="#">WELD 101</a>	Safety Principles	2
<a href="#">WELD 104</a>	Oxyacetylene Cutting	3
<a href="#">WELD 105</a>	Introduction to Shielded Metal Arc Welding	5
<a href="#">WELD 117</a>	Welding Symbols	5
<a href="#">WELD 114</a>	Introduction to Flux Core Arc Welding	4
<a href="#">WELD 115</a>	Flux Core Arc Welding - Full Penetration	5
<a href="#">WELD 201</a>	Introduction to Gas Tungsten Arc Welding	5
<a href="#">WELD 202</a>	Gas Tungsten Arc Welding - Full Penetration	5
<a href="#">WELD 203</a>	Gas Tungsten Arc Welding - Aluminum	5
<a href="#">WELD 204</a>	Welding Certification Testing - SMAW	5
<a href="#">WELD 205</a>	Advanced Welding Applications - Pipe/SMAW	5
<a href="#">WELD 206</a>	Advanced Welding Applications - Pipe/GTAW	5
<a href="#">WELD 207</a>	Welding Certification Testing - Flux Core	5
<a href="#">WELD 208</a>	Non-destructive Testing	2
<a href="#">WELD 210</a>	Advanced Welding Applications - Project	5
<a href="#">WELD 292</a>	Advanced Welding Applications—Project	5

**WELD 292 is an elective course - NOT required**

**Required: students choose between SMAW or Wire Certificates**

<b>SMAW</b>	<b>I</b>	<b>II</b>
WELD 110	FP WLD Open Root	5
WELD108	FP WLD Flat/Horizontal	5
WELD109	FP WLD Vertical/Overhead	5
<b>Wire</b>		
WELD113	GMAW Aluminum	5
WELD112	FP GMAW STL	4
WELD 111	Intro GMAW STL	3

added 2/17/22

Credits updated 2/17/22

## General Education Requirements

### Communications (5 Credits Required)

<u>ENGL&amp; 101</u>	English Composition I	5
<u>ENGL&amp; 235</u>	Technical Writing	5

### Humanities/Social Sciences/Natural Sciences/Other (5 Credits Required)

<u>BIOL&amp; 160</u>	General Biology	5
<u>BIOL&amp; 175</u>	Human Biology with Lab	5
<u>BIOL&amp; 241</u>	Human Anatomy and Physiology I	5
<u>BIOL&amp; 242</u>	Human Anatomy and Physiology II	5
<u>BIOL&amp; 260</u>	Microbiology	5
<u>CMST&amp; 102</u>	Introduction to Mass Media	5
<u>CMST&amp; 152</u>	Intercultural Communication	5
<u>CMST&amp; 210</u>	Interpersonal Communication	5
<u>CMST&amp; 220</u>	Public Speaking	5

<a href="#"><u>ECON&amp; 201</u></a>	Microeconomics	5
<a href="#"><u>NUTR&amp; 101</u></a>	Intro to Nutrition	5
<a href="#"><u>CHEM &amp;121</u></a>	General Chemistry	5
<a href="#"><u>CHEM &amp;131</u></a>	Introduction to Organic/Biochemistry	5
<a href="#"><u>HREL 111</u></a>	Interviewing and Career Success	5
<a href="#"><u>HUM &amp;101</u></a>	Introduction to Humanities	5
<a href="#"><u>PHYS &amp;114</u></a>	Introductory Physics I (Algebra based Physics)	5
<a href="#"><u>PHYS &amp;221</u></a>	Engineering Physics I w/LAB	5
<a href="#"><u>PHYS &amp;222</u></a>	Engineering Physics II w/LAB	5
<a href="#"><u>PHYS &amp;223</u></a>	Engineering Physics III w/LAB	5
<a href="#"><u>POLS &amp;101</u></a>	Introduction to Political Science	5
<a href="#"><u>PSYC &amp;100</u></a>	General Psychology	5
<a href="#"><u>PSYC &amp;200</u></a>	Lifespan Psychology	5
<a href="#"><u>SOC &amp;101</u></a>	Introduction to Sociology	5

## Quantitative (5 Credits Required)

<a href="#"><u>MATH 172</u></a>	Business Math	5
<a href="#"><u>MATH&amp; 141</u></a>	Precalculus I	5
<a href="#"><u>MATH&amp; 142</u></a>	Precalculus II	5
<a href="#"><u>MATH&amp; 146</u></a>	Statistics	5
<a href="#"><u>MATH&amp; 151</u></a>	Calculus	5
<a href="#"><u>MATH&amp; 152</u></a>	Calculus II	5
<a href="#"><u>AMATH 170</u></a>	Engineering Foundational Mathematics	5
<a href="#"><u>MATH&amp; 107</u></a>	Math in Society	5

# WELDER CERTIFICATE OF COMPETENCY

(98-113 CREDITS) **93-98 Credits**

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**WELD 292 is an elective course - NOT required**

**Required: students choose between SMAW or Wire Certificates**

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<u>CMST&amp; 152</u>	Intercultural Communication	5

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<a href="#"><u>MATH&amp; 152</u></a>	Calculus II	5
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