

Welding Technology Curriculum

A.A.S Degree Requirements

63 Credit Hours

42 Technical Specialty Credits

6 Technical Elective Credits

15 General Education Credits

Technical Specialty Courses

42 Credit Hours

Course #	Course Title	Credit Hours
WLD 100	Welding Safety/OSHA 10 *	2
WLD 110	Welding Metallurgy	1
WLD 116	Fabrication	1
WLD 118	Discontinuities and Defects	1
WLD 1153	Blueprint Reading	3
WLD 1303	Cutting Processes	3
WLD 1404	Intro to SMAW	4
WLD 145	SMAW Advanced Structural	4
WLD 1504	Intro to GMAW	4
WLD 155	GMAW Advanced	4
WLD 1604	Flux Cored Arc Welding Structural	4
WLD 1714	Intro to GTAW	4
WLD 1764	GTAW Advanced	4
WLD 190	Welding Project Management OR	2
WLD 199	Occupational Work Experience	
EMP 1901	Global Employment Standards	1

*Online class; must be completed in order to enroll in the second semester.

Suggested Technical Electives

6 Credit Hours

Course #	Course Title	Credit Hours
ACC 100	Business Accounting	3
BUS 111	Personal Finance	3
BUS 126	Introduction to Business	3
BUS 185	Business Ethics & Human Relations	3
BUS 255	Principles of Management	3
DFT 103	Fundamentals of Drafting	3

‡ Additional Technical Elective options are available; see an advisor.

General Education Requirements

15 Credit Hours

Course #	Course Title	Credit Hours
English		3 Required
COM 105	English Composition I	3
COM 110	Technical Writing	3
Math		3 Required
MAT 109	Technical Mathematics II	3
MAT 110	Intermediate Algebra or higher	3
Additional General Education		9 Required
See page 20-21 for General Education Electives		

Certificate B Requirements

42 Credit Hours

42 Technical Specialty Credits

Technical Specialty Courses

42 Credit Hours

Course #	Course Title	Credit Hours
WLD 100	Welding Safety/OSHA 10 *	2
WLD 110	Welding Metallurgy	1
WLD 116	Fabrication	1
WLD 118	Discontinuities and Defects	1
WLD 1153	Blueprint Reading	3
WLD 1303	Cutting Processes	3
WLD 1404	Intro to SMAW	4
WLD 145	SMAW Advanced Structural	4
WLD 1504	Intro to GMAW	4
WLD 155	GMAW Advanced	4
WLD 1604	Flux Cored Arc Welding Structural	4
WLD 1714	Intro to GTAW	4
WLD 1764	GTAW Advanced	4
WLD 190	Welding Project Management OR	2
WLD 199	Occupational Work Experience	
EMP 1901	Global Employment Standards	1

*Online class; must be completed in order to enroll in the second semester

Certificate A Requirements

21 Credit Hours

Course #	Course Title	Credit Hours
WLD 100	Welding Safety/OSHA 10 *	2
WLD 110	Welding Metallurgy	1
WLD 1153	Blueprint Reading	3
WLD 1404	Intro to SMAW	4
WLD 1504	Intro to GMAW	4
WLD 1714	Intro to GTAW	4
MAT 101	Technical Mathematics I or higher	3