



Curriculum Evaluation		Welding Technology		
<i>Certificate of Program Completion (Catalog Year: 2019, Required Hours: 1200)</i>				
Core (225 hours required)				
<i>Entry Level Welding Technician (225 hours required)</i>		Hours	Modules	Prerequisite Course Number(s)
WELD 0000	Welding Technology Orientation	0.00	1	
WELD 1011	Welding Safety	15.00	3	
WELD 1110	Welding Math	30.00	3	
WELD 1230	Oxy Fuel, Plasma and Carbon Arc Cutting Processes	15.00	2	WELD 1011
WELD 1236	Oxy Fuel, Plasma and Carbon Arc Cutting Processes Lab	30.00	3	WELD 1011
WELD 1320	Gas Metal Arc Welding	15.00	2	WELD 1011
WELD 1337	Gas Metal Arc Welding Lab I	60.00	2	WELD 1320
WWSK 1400	Workplace Relations	60.00	12	
Electives (975 hours required)				
<i>Welding Technology (975 hours required)</i>		Hours	Modules	Prerequisite Course Number(s)
WELD 1240	Shielded Metal Arc Welding	15.00	2	WELD 1337
WELD 1241	Shielded Metal Arc Welding Lab I	90.00	3	WELD 1240
WELD 1245	Shielded Metal Arc Welding Lab II	90.00	4	WELD 1241
WELD 1345	Gas Metal Arc Welding Lab II	75.00	4	WELD 1320, WELD 1337
WELD 1515	Flux-Cored Arc Welding	15.00	2	WELD 1011
WELD 1520	Flux-Cored Arc Welding Lab I	75.00	3	WELD 1515
WELD 1525	Flux-Cored Arc Welding Lab II	75.00	3	WELD 1520
DRFT 1045	Blueprint Reading	30.00	5	
DRFT 1810	Blueprint Reading for Welders	30.00	5	DRFT 1045
WELD 1630	Gas Tungsten Arc Welding	15.00	2	WELD 1011
WELD 1635	Mild Steel Welding Lab	75.00	3	WELD 1011, DRFT 1810, WELD 1630
WELD 1645	Stainless Steel Welding Lab	45.00	3	WELD 1635
WELD 1655	Aluminum Welding Lab	45.00	2	WELD 1635
WELD 1710	Inspection and Metallurgy	30.00	2	WELD 1011
WELD 2950	Shielded Metal Arc Welding AWS Certification Preparation	30.00	4	WELD 1241
WELD 2955	Gas Metal Arc Welding AWS Certification Preparation	30.00	4	WELD 1345
WELD 2960	Flux-Cored Arc Welding – Gas Shielded AWS Certification Preparation I	30.00	4	WELD 1520
WELD 2965	Flux-Cored Arc Welding-Self Shielded AWS Certification Prep II	30.00	4	WELD 1525
WELD 2970	Gas Tungsten Arc Welding AWS Certification Preparation	30.00	4	WELD 1635, WELD 1645, WELD 1655
WELD 2320	Pipe Welding	15.00	2	WELD 1011
WELD 2326	Pipe Welding Lab I	75.00	1	
WELD 2335	Pipe Welding Lab II	75.00	4	WELD 2325, WELD 2326
WELD 2346	Pipe Welding Lab III	45.00	1	

WELD 2410	Aluminum Gas Metal Arc Welding	30.00	3	WELD 1011
WELD 2801	Welding Sculpture	60.00	2	WELD 1011, WELD 1236, WELD 1337
WELD 2802	Welding Sculpture II	60.00	1	WELD 2801
WELD 2901	Welding Special Projects I	60.00	5	WELD 1011, WELD 1236, WELD 1337, DRFT 1045, DRFT 1810
WELD 2902	Welding Special Projects II	60.00	3	WELD 2901
WELD 2903	Welding Special Projects III	60.00	3	WELD 2902
WELD 2055	Oxy Fuel Welding and Brazing	15.00	1	WELD 1010, WELD 1230, WELD 1236
WELD 2215	Oxy Fuel Welding and Brazing Lab	45.00	3	WELD 2055
DRFT 1076	3D Parametric Solid Modeling: Basic SolidWorks	90.00	11	
DRFT 1115	3D Parametric Solid Modeling: Intermediate SolidWorks	90.00	1	
MANT 1600	Machining for Manufacturing	70.00	7	MANT 1000
WELD 3000	SkillsUSA Preparation	45.00	1	
WELD 3010	Welding Skill Practice I	15.00	1	
WELD 3020	Welding Skill Practice II	30.00	1	
WELD 3030	Welding Skill Practice III	45.00	1	
WELD 3040	Welding Skill Practice IV	45.00	1	
WELD 3050	Welding Skill Practice V	60.00	1	
WKSK 1500	Job Seeking Skills	30.00	6	