

Welding Fabrication Technology

Career Pathway Program of Study Requirements

Course #	Course Title	SJI Certificate	Level 1 Certificate	Level 2 Certificate	Level 3 Certificate	1 Year Certificate	2 Year Certificate	AAS	AAST	Aluminum Boat Building Certificate
WFT 105	Use Of Blueprints In Welding Fabrication	2	2			2	2	2	2	
WFT 106	Basic Layout Skills	2	2			2	2	2	2	
WFT 108	Fabrication Estimating And Layout	3					3	3	3	
WFT 121	Basic Oxyacetylene Cutting And Joining	5	5			5	5	5	5	
WFT 124	Gas Metal And Flux Core Arc Welding	5			5	5	5	5	5	
WFT 297	Special Topics In Welding: Soft Skills	3								
WFT 100	Welding Processes And Applications		2			2	2	2	2	
WFT 101	Use Of Power Tools In Welding Fabrication		1			1	1	1	1	
WFT 122	Air Carbon Arc Cutting (Cac-A)		1			1	1	1	1	
WFT 126	Punching And Shearing		3			3	3	3	3	
WFT 107	Advanced Layout			2		2	2	2	2	
WFT 119	Use Of Press Brake In Welding Fabrication			2		2	2	2	2	
WFT 120	Shielded Metal Arc Welding			5		5	5	5	5	
WFT 123	Use Of Welding Symbols			2		2	2	2	2	
WFT 125	Flame-Shaping As A Forming Method			3		3	3	3	3	
WFT 132	Maintenance & Repair Welding Techniques			5		5	5	5	5	
WFT 127	Gas Tungsten Arc Welding				5	5	5	5	5	
WFT 129	Welding Inspection And Evaluation				5	5	5	5	5	
WFT 130	Welding Certifications				3	3	3	3	3	
WFT 139	Employee Rights And Responsibilities					3	3	3	3	
WFT 197	Industry Internship					3		3	6	
ENG 105	Applied Composition					3	3	3		
MAT 111	Applied Mathematics I					5	5	5		
ICT 103	Computer Applications I					2	2	2		
PSY 220	Psychology Of Human Relations					3	3	3		
WFT 109	Development Of Welding Procedure						2	2	2	
WFT 128	Fabrication Of Aluminum Weldments						5	5	5	3
WFT 131	Material Handling						3	3	3	
WFT 133	Salvage And Reconstruction Of Weldments						5	5	5	
WFT 134	Use Of Heat Treat Welding						5	5	5	
WFT 135	Submerged Arc Welding						4	4	4	
WFT 136	Plasma Arc Welding						4	4	4	
WFT 137	Construction Of Welding Location Jigs/Fixtures						4	4	4	
ENG 106	Technical Writing							3		
WFT 138	Advanced Fabrication Of Weldments							2	2	
(distribution)	Visual, Literary, & Performing Arts Area							5	5	
(distribution)	Individuals, Cultures, & Societies Area							5	5	
CTN 131	Introduction To Computer Programming								5	
ENG 101	Composition								5	
MAT 102	College Algebra								5	
PSY 110	General Psychology								5	
WFT 160	Aluminum Boat Building									9
TOTAL CREDITS		20	16	19	18	72	104	122	129	12