

Degree & Certificate Requirements

Welding Technology Associate in Applied Science (AAS) PROFESSIONAL TECHNICAL 2024-2025 Degree Requirements

Major Courses

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
BPR 106	Blueprint Reading I (WT) [RE]	5		
BPR 206	Blueprint Reading II (WT) [RE]	3		
DRW 106	Mechanical Drawing for Vocational Application [RE]	3		
WT 101	Oxy-Acetylene Process [RE]	1		
WT 103	Fundamentals Major Processes & Their Consumables [RE]	5		
WT 107	Fabrication Principles Review [RE]	4		
WT 108	Fabrication Technique I [RE]	1		
WT 111	Oxy-Acetylene Process Lab [RE]	3		
WT 112	Introduction to Shield Metal Arc Welding [RE]	9-10		
WT 113	Advanced Shield Metal Arc Welding [RE]	9-10		
WT 141	Shield Metal Arc Welding Certification [RE]	9-10		
WT 181	Fabrication Techniques I Lab [RE]	3		
WT 201	Weldability of Metals [RE]	5		
WT 202	Welding Inspection [RE]	5		
WT 222	Gas Tungsten Arc Welding (Tig) [RE]	9-10		
WT 208	Fabrication Technique II [RE]	1		
WT 281	Fabrication Technique II Lab [RE]	3		

Subtotal 78-82

Available Specializations: Pipe Welding and Structural Welding. Choose one Specialization from below:

Specialization - Pipe Welding

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
WT 211	Introduction to Pipe Welding [RE]	9-10		
WT 231	Pipe Welding Certification [RE]	9-10		

Subtotal 18-20

Specialization - Structural Welding

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
WT 251	Gas Metal Arc Welding (Mig) Certificate [RE]	9-10		
WT 255	Structural Certification [RE]	9-10		

Subtotal 18-20

Major Support

Select 0-3 credits from the following:

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
WT 195	Supervised Employment [RE]	1-3		

Subtotal 0-3

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General Education

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
MATH 100+	MATH 100 or above	5		
English - select 5 credits from the following:				
ENGL& 101	English Composition I [C]	5		
ENGL 103	Writing In The Workplace [RE]	5		
Human Relations - select 3-5 credits from the following:				
PSYC 103	Applied Psychology	3		
PSYC& 100	General Psychology [S/B]	5		
BUS 271	Human Relations in Business [RE]	5		
Communication - select 3 credits from the following:				
CMST 103	Workplace Communication [RE]	3		
CMST 110	Communication Behavior [C]	3		

Subtotal **16-18**
Total Credits Required **112-123**

Note:

Students must earn a minimum 2.0 grade in all Major Courses and Specialization.

Required minimum cumulative GPA 2.0

WT 112, 113, 141, 211, 222, 231, 251, and 255 are variable credit courses. Variable credit courses taken of the same class in the evening must be completed within four consecutive quarters.