

Welding AOT Degree

Available: Shoals Campus
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Students desiring to receive the AOT Award must complete all major certificate courses, one minor certificate course of study, and the required credit hours of general education courses in Areas I, II, III, and IV. Upon completion of all the courses listed, students are eligible to receive the Associate in Occupational Technology Degree. Students desiring to take general education courses for transfer to another institution should consult an advisor for proper general education course selection.

Core Degree Requirements for the Associate in Occupational Technology Degree

Entering students are required to complete ORT 100. Transfer students are exempt from this requirement.

	Semester Hours
Area I: Written Composition	3
English Composition I and/or Technical Writing	
Area II: Humanities and Fine Arts	3
Area III: Natural Science and Mathematics	9
A minimum of 3 hours in degree creditable mathematics is required. The additional 6 hours of degree creditable coursework may be taken from disciplines of math, biology, chemistry, physical science, physics, environmental technology and computer science.	
Area IV: History, Social and Behavioral Sciences	3
Courses may be taken from the disciplines of history, economics, geography, political science, psychology, and sociology.	

Minimum General Requirements 18

Major Requirements	Semester Hours
WDT 108 SMAW Fillet/OFC	3
WDT 109 SMAW Fillet/CAC	3
WDT 110 Industrial Blueprint Reading	3
WDT 115 GTAW Carbon Pipe Theory	3
WDT 119 Gas Metal Arc/Flux Cored Arc Welding Theory .	3
WDT 120 Shielded Metal Arc Welding Groove Theory	3
WDT 122 SMAW Fillet/OFC Lab	3
WDT 123 SMAW Fillet/PAC/CAC Lab	3
WDT 124 Gas Metal Arc/Flux Cored Arc Welding Lab	3
WDT 125 Shielded Metal Arc Welding Groove Lab.....	3
WDT 155 GTAW Carbon Pipe Lab	3
WDT 182 Special Topics	3
WDT 184 Special Topics	1
WDT 217 SMAW Carbon Pipe Theory	3
WDT 218 Certification Theory	3
WDT 228 Gas Tungsten Arc Welding Theory	3
WDT 257 SMAW Carbon Pipe Lab	3
WDT 268 Gas Tungsten Arc Lab	3
Total Major Requirements	48-52

Minor Requirements

Machine Shop Technology	309999 WMS
MSP 101 Basic Machining Technology	5
MSP 102 Intermediate Machining Technology	5
MSP 121 Basic Blueprint Reading for Machinists	2
Total Minor Requirements	12

Minor Requirements

Air Conditioning/Refrigeration Technology	309999 WAC
ACR 111 Refrigeration Principles	3
ACR 115 Heating Systems	3
ACR 132 Residential Air Conditioning	3
ACR 133 Domestic Refrigeration	3
Total Minor Requirements	12

Minor Requirements

Automotive Service Technology	309999 AUT
AUM 133 Motor Vehicle Air Conditioning	3
AUM 101 Fundamentals of Automotive Technology	3
AUM 121 Braking Systems	3
AUM 110 Electrical and Electronic Systems I	3
Total Minor Requirements	12

Minor Requirements

Carpentry Technology	309999 WCR
CAR 121 Introduction to Blueprint Reading	3
CAR 134 Stairs, Moldings, and Trim	3
CAR 226 Metal Framing	3
CAR 217 Estimating	3
Total Minor Requirements	12

General Requirements 18

Total Requirements for AOT Degree 78

*Computer competency skills are embedded within one or more courses required in this curriculum.

Welding:

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