

Welding

Associate in Occupational Technology (AOT)

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Students desiring to receive the AOT Award must complete all major requirement courses, one minor requirement 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.

Entering students are required to complete ORI 107. Transfer students are exempt from this requirement.

NOTE:

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

Program: [Welding](#)

Entrance Requirements

- Submit a completed application;
- High School diploma or equivalent required;
- Age Requirement:
- Submit official high school/high school equivalent transcripts, if applicable;
- Submit official college transcripts, if applicable;
- Satisfy [Placement Testing](#) requirements.

Area I: Written Composition

Item #	Title	Credits
	ENG 101 or ENG 100	3

Area II: Humanities and Fine Arts

Preferred ART 100 or MUS 101. *Note SPH107 or foreign language may NOT be the one course designated to fulfill the SACSCOC Core Requirement for Humanities and Fine Arts.
Please choose from one of the following:

Item #	Title	Credits
	Humanities and Fine Arts Elective	3

Area III: Natural Sciences and Mathematics

A minimum of 3 hours in MTH 116 or MTH 100 or Higher is required. The additional 3-4 hours of degree-creditable coursework may be taken from disciplines of biology, chemistry, physical science, physics, environmental technology and math.

Item #	Title	Credits
	MTH 116, MTH 100 or higher	3
	Natural Science Elective	4

Area IV: History, Social and Behavioral Science

Courses may be taken from the disciplines of history, economics, geography, political science, psychology, and sociology.

Please choose from one of the following:

Item #	Title	Credits
	Social and Behavioral Sciences Elective	3

Area V: Technical Concentration and Major Requirements

Item #	Title	Credits
WDT 108	SMAW Fillet/OFC	3
WDT 109	SMAW Fillet/Pac/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 217	SMAW Carbon Pipe Theory	3
WDT 219	Welding Inspection & Testing	3
WDT 228	Gas Tungsten Arc Welding Theory	3
WDT 257	SMAW Carbon Pipe Lab	3
WDT 268	Gas Tungsten Arc Lab	3

Minor Requirements: Machine Shop Technology

Item #	Title	Credits
MSP 101	Basic Machining Technology	5
MSP 102	Intermediate Machining Technology	5
MSP 121	Basic Blueprint Reading for Machinists	2

Minor Requirements: Air Conditioning/Refrigeration Technology

Item #	Title	Credits
ACR 111	Principles of Refrigeration	3
ACR 112	HVACR Service Procedures	3
ACR 132	Residential Air Conditioning	3
ACR 209	Commercial Air Conditioning Systems	3

Minor Requirements: Automotive Service Technology

Item #	Title	Credits
AUM 101	Fundamentals of Automotive Technology	3
AUM 112	Electrical Fundamentals	3
AUM 121	Braking Systems	3
AUM 124	Automotive Engines	3

Minor Requirements: Carpentry Technology

Item #	Title	Credits
CAR 111	Construction Basics	3
CAR 112	Floors, Walls, Site Prep	3
CAR 113	Floors, Walls, Site Prep Lab	3
CAR 114	Construction Basics Lab	3

Minor Requirements: Business and Construction Supervision

Item #	Title	Credits
BUS 241	Principles of Accounting I	3
BUS 275	Principles of Management	3
BUS 279	Small Business Management	3
OAD 217	Office Management	3

MSSC Certified Production Technician

Item #	Title	Credits
ADM 291	Mssc Safety Course	3
ADM 292	MSSC Quality Practices and Measurement Course	3
ADM 293	MSSC Manufacturing Processes and Production Course	3
ADM 294	MSSC Maintenance Awareness Course	3
Minimum Credit Hours for Graduation:		75-76