

Machine Shop Technology 309999 MWT
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
MSP 101 Basic Machining Technology	5
MSP 102 Intermediate Machining Technology	5
MSP 103 Advanced Machining Technology	5
MSP 104 Basic Machining Calculations	2
MSP 105 Lathes	3
MSP 107 Milling Machines	3
MSP 115 Advanced Milling Machines	5
MSP 121 Basic Blueprint Reading for Machinists	2
MSP 131 Introduction to Metrology	2
MSP 142 Advanced Machining Calculations	2
MSP 181 Special Topics	2
MSP 221 Advanced Blueprint Reading	2
MSP Electives	7
Total Major Requirements	45

Minor Requirements

Welding

WDT 108 SMAW Fillet/OFC	3
WDT 109 SMAW Fillet/PAC/CAC	3
WDT 122 SMAW Fillet/OFC Lab	3
WDT 123 SMAW Fillet/PAC/CAC Lab	3
Total Minor Requirements	12

General Requirements 18

Total Requirements for AOT Degree 75

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

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