

**PROGRAM AND AWARD PLANNING FORM**

**Program:** Machine Shop Technology (MWT)  
**Award:** Associate in Occupational Technology Degree  
**Catalog:** 2016-2017

**STUDENT NAME** \_\_\_\_\_ **STUDENT NUMBER** \_\_\_\_\_

<b>Semester/Year</b>	<b>Grade</b>	<b>General Education and Core Requirements</b>	<b>HRS</b>
_____	_____	<b>ORI 107 Student Success</b>	<b>1</b>
_____	_____	<b>Area I: Written Composition</b>	<b>3</b>
_____	_____	ENG 101 English Composition I OR ENG 130 Technical Report Writing	3
_____	_____	<b>Area II: Humanities and Fine Arts</b>	<b>3</b>
_____	_____	Humanities and Fine Arts Elective _____	3
_____	_____	<b>Area III: Natural Sciences and Mathematics</b>	<b>9</b>
_____	_____	A minimum of 3 hours in MTH 116 or MTH 100 or Higher is required. _____	3
_____	_____	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. _____	6
_____	_____	<b>Area IV: History, Social and Behavioral Science</b>	<b>3</b>
_____	_____	History, Social and Behavioral Science Elective _____	3
_____	_____	Courses may be taken from the disciplines of History, economics, geography, political science, Psychology, and sociology.	
_____	_____	<b>Minimum General Requirements</b>	<b>19</b>
_____	_____	<b>Area V: Major Requirements</b>	<b>45</b>
_____	_____	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 - Grinding	2
_____	_____	MSP 221 Advanced Blueprint Reading	2
_____	_____	MSP 182 Mill, Lathe, Saw	2
_____	_____	MSP Electives _____	5

**Minor Requirements**

**Welding**

**12**

_____	_____	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

**Minor Requirements**

**Air Conditioning/Refrigeration Technology**

**12**

_____	_____	ACR 111 Refrigeration Principles	3
_____	_____	ACR 112 HVACR Service Procedures	3
_____	_____	ACR 132 Residential Air Conditioning	3
_____	_____	ACR 209 Commercial Air Conditioning Systems	3

<b>General Requirements</b>	<b>19</b>
<b>Major Requirements (Including Minor)</b>	<b>57</b>
<b>Total Requirements for AOT Degree</b>	<b>76</b>

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

\_\_\_\_\_  
Student's Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Advisor Signature

\_\_\_\_\_  
Date