

PROGRAM AND AWARD PLANNING FORM

Program: Machine Shop Technology (MWT)
Award: Associate in Occupational Technology Degree
Catalog: 2019-2020

STUDENT NAME _____	STUDENT NUMBER _____		
Semester/Year _____	Grade _____	General Education and Core Requirements	HRS
_____	_____	**Entering students are required to compete ORI 107. Transfer students are exempt from this requirement.	
_____	_____	Area I: Written Composition	3
		ENG 101 English Composition I OR	3
		ENG 130 Technical Report Writing	
_____	_____	Area II: Humanities and Fine Arts	3
		Humanities and Fine Arts Elective _____	3
_____	_____	Area III: Natural Sciences and Mathematics	6-7
		A minimum of 3 hours in MTH 116 or MTH 100 or Higher is required. _____	3
		The additional 3 hours of degree creditable coursework may be taken from disciplines of math, biology, chemistry, physical science, physics, environmental technology. _____	3-4
_____	_____	Area IV: History, Social and Behavioral Science	3
		History, Social and Behavioral Science Elective _____	3
		Courses may be taken from the disciplines of History, economics, geography, political science, Psychology, and sociology.	
		General Education Core Requirements	15
_____	_____	Area V: Major Requirements	45
		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 291 CO-OP	3
		MSP Electives _____	4

		Minor Requirements	
		Welding Fall and Spring Semester (MWT)	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	
		Welding Summer Semester (MWT)	12
_____	_____	WDT 110 Blue Print Reading	3
_____	_____	WDT 119 Gas Metal Arc/Flux Cored Arc Welding Theory	3
_____	_____	WDT 124 Gas Metal Arc/Flux Cored Arc Welding Lab	3
_____	_____	WDT 219 Welding Inspection and Testing	3

		Minor Requirements	
		Air Conditioning/Refrigeration Technology (ACRT)	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

		Minor Requirements	
		MSSC Certified Production Technician (MSMS)	12
_____	_____	ADM 291 MSS Safety Course	3
_____	_____	ADM 292 MSSC Quality	3
_____	_____	ADM 293 MSSC Manufacturing & Processes Production	3
_____	_____	ADM 294 MSSC Maintenance Awareness	3

General Education Core	15
Technical Concentration and Electives	45
Minor Requirements	12
Total Requirements for AOT Degree	72

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

Student's Signature

Date

Advisor Signature

Date