

**PROGRAM AND AWARD PLANNING FORM**

**Program:** Machine Shop/Computer Numerical Control (CNC)  
**Award:** Career Certificate  
**Catalog:** 2019-2020

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

Semester/Year	Grade	Required Selection	HRS
_____	_____	**Entering students are required to compete ORI 107. Transfer students are exempt from this requirement.	
_____	_____	ENG 101 English Composition I OR ENG 130 Technical Writing	3
_____	_____	MTH 116 Mathematical Applications OR MTH 100 Intermediate College Algebra	3
_____	_____	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 111 Introduction to Computer Numerical Control	2
_____	_____	MSP 112 Basic CNC Turning	3
_____	_____	MSP 113 Basic CNC Milling	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 Elective _____	1

**Total Semester Credit Hours**                      **54**

\_\_\_\_\_  
Student's Signature                                      Date                                      Advisor Signature                                      Date