

# MINERAL AREA COLLEGE

## MACHINE TOOL TECHNOLOGY CERTIFICATE

(Major Code: MO - CE) CIP 48.0501

Student: \_\_\_\_\_

ID#: \_\_\_\_\_

**Communications – 1 course**

ENG 1330 English Composition I \* + (3) (written)  
 ENG 1440 Public Speaking \* + (3) (oral)  
 ENG 1670 Interpersonal Communications I \* (3) (oral)  
 TEC 1040 Technical Writing \* (3) (written)

**Human Development – 1 course**

PSY 1130 General Psychology I + (3)  
 PSY 1160 Applied Psychology \* (3)  
 PSY 1250 Human Growth and Development (3)  
 SOC 1130 General Sociology (3)  
 SOC 1540 Introduction to Cultural Anthropology (3)

**Mathematics – 1 course**

MAT 1185 Fundamentals of Algebra \* (4)  
 MAT 1240 Quantitative Reasoning \* (3)  
 MAT 1260 Elementary Statistics \* (3)  
 MAT 1270 Pre-Calc: Algebraic Reasoning \* (3)  
 MAT 1370 Pre-Calc: Trig & Geom Reasoning \* (3)  
 MAT 1650 Analytical Geometry & Calculus I \* (5)  
 MAT 2150 Analytical Geometry & Calculus II \* (5)  
 TEC 1900 Technical Math I (3)  
 TEC 1910 Technical Math II \* (3)

**Science – 1 course**

BIO 1100 Intro to Bio Science \*(3)  
 BIO 1150 General Biology\* (5)  
 BIO 1430 Environmental Science\* (3)  
 BIO 2112 General Botany\* (5)  
 BIO 2122 General Zoology\* (5)  
 PHS 1040 Consumer Chemistry \* (3)  
 PHS 1200 Introductory Astronomy (3)  
 PHS 1250 Introductory Chemistry \* (5)  
 PHS 1350 General Chemistry I \* (5)  
 PHS 1400 Earth Science\* (5)  
 PHS 1420 College Physics I (4)  
 PHS 2230 General Physics I (4)  
 PHS 2410 Physical Geology (5)  
 PHS 2420 Earth Science I\* (3)

**Computer Literacy – 1 course**

CIS 1730 Office Applications (2)  
 CIS 1750 Microcomputer Applications \* (3)

Sem/Yr	Course #	Course Title	Hrs
	TEC 1000	Machine Shop I (CC)	6
	TEC 1160	Machine Shop II * (CC)	6
	TEC 1300	Computer Aided Des/Draft	3
	TEC 1320	Adv. Comp Aided Des/Draft*	3
	TEC 1790	Basic Computer Numerical Con	3
<b>Communications (3 hours)</b>			
			3
<b>Human Development (3 hours)</b>			
			3
<b>Mathematics (3-5 hours)</b>			
			3-5
<b>Science (3-5 hours)</b>			
			3-5
<b>Computer Literacy (2-3 hours)</b>			
			2-3
<b>Institutional Requirement</b>			
	GUI 1010/ GUI 1020	First Year Seminar OR Navigating College	1-2
<b>Total Credit Hours (36-41)</b>			

+ Recommended course for transfer students.  
 \* Course has prerequisite. See MAC Catalog  
 (CC) These courses are available through participating Career Centers

GPA: \_\_\_\_\_

Navigator: \_\_\_\_\_

**GRADUATION POLICIES:**

1. An Application for Graduation form must be filed with the Registrar's Office by the end of the second week of the fall and spring terms and by the end of the first week of the summer term. Contact navigator for assistance.
2. Earn a minimum institutional and cumulative career GPA of 2.0 or higher for graduation.
3. Career and Technical degree candidates (Associate of Applied Science, Associate of Science, and Certificate completers) are required to complete a graduation interview form in the Career Services Office or in MyMAC.
4. Fifteen (15) hours of Mineral Area College credit must be included in the degree.

\_\_\_\_\_  
 Signature Required  
 Acknowledgement of Graduation Policies

\_\_\_\_\_  
 Date