

# MINERAL AREA COLLEGE

## WELDING TECHNOLOGY CERTIFICATE

(Major Code: WE - CE) CIP 48.0508

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**

TEC 1900 Technical Math I (3)  
TEC 1910 Technical Math II \* (3)  
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)

**Science – 1 course**

BIO 1100 Introduction to Biological 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 2420 Earth Science I \* (3)  
PHS 2430 Earth Science II \* (3)

**Computer Literacy – 1 course**

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

<b>Choose seven (7) courses from the following Welding Technology Courses (21 hours)</b>			
<b>Sem/Yr</b>	<b>Course #</b>	<b>Course Title</b>	<b>Hrs</b>
	WLD 1020	Orientation to Welding (CC)	3
	WLD 1100	Welding Print Read/Lyt/Fabr. (CC)	3
	WLD 1160	Shielded Metal Arc Welding (CC)	3
	WLD 1180	Adv. Shielded Metal Arc Welding (CC)	3
	WLD 1200	Gas Metal Arc Welding (CC)	3
	WLD 1220	Flux Cored Arc Welding (CC)	3
	WLD 1240	Gas Tungsten Arc Welding (CC)	3
	WLD 1310	Plasma Arc Cut & Carbon Arc (CC)	3
	WLD 1400	Metallurgy and Heat Treating (CC)	3
	WLD 1510	Other Cutting Processes (CC)	3
	WLD 1610	AWS Sense Program (CC)	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	First Year Seminar	1
<b>Total Credit Hours (36-41)</b>			

+ Recommended for transfer students.

\* Course has prerequisite. See MAC Catalog.

(CC) These courses are available through participating area 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