

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

**Additional Electives – 3 Courses**

- EEE1710 National Electric Code (3)
- TEC1100 Technical Internship I \* (3)
- TEC1300 Computer Aided Design/Drafting (3)
- TEC2130 Hydraulic Systems\* (3)
- TEC2140 Pneumatic Systems\* (3)
- TEC2060 Fluid Power Math (3)
- TEC2070 Mobile Hydraulics (3)
- WLD1020 Orientation to Welding (3)
- WLD1160 Sheet Metal Arc Welding\* (3)
- WLD1180 Advanced Sheet Metal Arc Welding\* (3)

**Communications -1 Course**

- ENG1440 Public Speaking + (3)
- ENG1670 Interpersonal Communications I (3)

**History/Political Science – 1 course**

- HIS1230 American History I (3)
- HIS1240 American History II (3)
- POS1180 American Political Systems + (3)

**Computer Literacy – 1 Course**

Any CIS Course (1-3)

**Mathematics Electives – 2 Courses**

- TEC1900 Technical Math I ^ (3)
- TEC1910 Technical Math II ^\* (3)
- MAT1180 Fundamentals of Algebra\*(5)
- MAT1185 Fundamentals of Algebra\*(4)
- MAT1205 Applications of College Math\*(3)
- MAT1240 Quantitative Reasoning\* (3)
- MAT1260 Elementary Statistics\* (3)
- MAT1270 PreCalc: Algebraic Reasoning\* (3)
- MAT1370 PreCalc: Trig and Geometric Reasonings\* (3)
- MAT1600 Calculus for Bus/Soc Sci \* (3)
- MAT1650 Analytical Geometry & Calculus I +\* (5)

**Science – 1 Course**

Any Science or Bio (3-5)

^ Recommended for students not planning to transfer.

+ Recommended for transfer students.

\* Course has prerequisite. See MAC Catalog.

Major Cr Hrs.....44  
Gen Ed Cr Hrs..... 16-24  
Total Cr Hrs..... 61-69

**NOTE: See graduation policies on back.**

**MINERAL AREA COLLEGE**  
**ASSOCIATE OF APPLIED SCIENCE**  
**Industrial Maintenance**  
**(Major Code: IM AP) CIP470303**

Sem/Yr		Grade
<b>Mechanical: (6 Cr Hrs)</b>		
_____	TEC1720 Mechanisms .....	3 _____
_____	TEC1780 Blueprint Reading .....	3 _____
<b>Electrical: (3 Cr Hrs)</b>		
_____	EEE1550 Electrical Systems .....	3 _____
<b>Automation: (6 Cr Hrs)</b>		
_____	TEC1350 Introduction to Robotics .....	3 _____
_____	EEE1970 Programmable Logic Controllers * .....	3 _____
<b>Power: (3 Cr Hrs)</b>		
_____	TEC 2030 Basic Fluid Power .....	3 _____
<b>Manufacturing: (6 Cr Hrs)</b>		
_____	MFG1060 Equipment and Operations .....	3 _____
_____	TEC1580 Quality Control.....	3 _____
<b>Additional: (20 Cr Hrs)</b>		
_____	TEC1930 General Industry Safety .....	3 _____
_____	PAW1060 Prep for Employment .....	1 _____
_____	TEC1730 Problem Analysis.....	1 _____
_____	TEC1040 Technical Writing OR	
_____	ENG1330 English Composition I* .....	3 _____
_____	TEC1920 Teamwork Workplace Communications .....	3 _____
_____	Additional Elective TEC/EEE/MFG .....	3 _____
_____	Additional Elective TEC/EEE/MFG .....	3 _____
_____	Additional Elective TEC/EEE/MFG .....	3 _____
<b>History/Political Science: (1 Course)</b>		
_____	_____ .....	3 _____
<b>Communication: (1 course)</b>		
_____	_____ .....	3 _____
<b>Computer Literacy: (1 course)</b>		
_____	_____ .....	1-3 _____
<b>Mathematics: (2 Courses)</b>		
_____	_____ .....	3-5 _____
_____	_____ .....	3-5 _____
<b>Science: (1 Course)</b>		
_____	_____ .....	3-5 _____
_____	GUI1010 First Year Seminar .....	1 _____
_____	HIS0000 MO Higher Education Civics Exam.....	0 _____
_____	TSA0000 Technical Skills Assessment .....	0 _____

**Total Credits Hours      61-69**

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

Advisor: \_\_\_\_\_

**NOTE: See graduation policies on back.**

**ASSOCIATE OF APPLIED SCIENCE**  
**Industrial Maintenance**  
**Page -2**

GRADUATION POLICIES: (Diplomas and Certificates)

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 advisor for assistance.
2. All degree applicants are required to complete an Exit Exam and a Technical Skills Assessment
3. All applicants are required to complete a graduation interview with the Career Placement Office.
4. A minimum institutional and cumulative career GPA of 2.0 is required for graduation.
5. Fifteen (15) hours of Mineral Area College credit must be included in the degree.

---

Signature Required  
Acknowledgement of Graduation Policies

---

Date