

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

**Communications – 2 courses**

- 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 & Development (3)
- SOC 1130 General Sociology (3)
- SOC 1540 Intro to Cultural Anthropology (3)

**History/Political Science – 1 course**

- HIS 1230 American History I (3)
- HIS 1240 American History II (3)
- POS 1180 American Political Systems + (3)

**Mathematics – 2 courses**

- TEC1900 Technical Math I (3)
- TEC1910 Technical Math II\* (3)
- MAT1185 Fundamentals of Algebra\* (4)
- MAT1240 Quantitative Reasoning\* (3)
- MAT1260 Elementary Statistics\* (3)
- MAT1270 Pre-Calc: Algebraic Reasoning\* (3)
- MAT1370 Pre-Calc: Trig & Geom Reasoning\* (3)
- MAT1650 Analytical Geometry & Calculus I\* (5)
- MAT2150 Analytical Geometry & Calculus II\* (5)

**Science – 1 course**

- BIO 1100 Introduction to Biological Science (3)
- BIO 1150 General Biology\* (5)
- BIO 2112 General Botany\* (5)
- BIO 2122 General Zoology\* (5)
- BIO 1430 Environmental Science (3)
- 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)

**Computer Literacy – 1 course**

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

+ Recommended course for transfer students.

\* Course has prerequisite. See MAC Catalog.

**MINERAL AREA COLLEGE**  
**ASSOCIATE OF APPLIED SCIENCE**  
**Heating, Air Conditioning,**  
**and Refrigeration Technology**  
**(Major Code: HE - AP) CIP 47.0201**

Sem/Yr		Grade
_____	AHR 1005 Refrigeration System Fund.....	3 _____
_____	AHR 1105 Refrigerant Management.....	3 _____
_____	AHR 1015 Electric for HVAC/R.....	3 _____
_____	AHR 1115 HVAC/R Motors & Controls.....	3 _____
_____	AHR 1205 Heat Pumps and Electric Heat .....	3 _____
_____	AHR 1215 Gas Heating Principles.....	3 _____
_____	AHR 1305 Indoor Air Fundamentals & Sheetmetal.....	3 _____
_____	AHR 1315 Installation of Residential Systems.....	3 _____
_____	AHR 1405 Troubleshooting Residential Systems.....	3 _____
_____	AHR 1320 Commercial Refrigeration Systems.....	3 _____
_____	AHR 1415 Troubleshooting Commercial Ref. Sytms .....	3 _____
_____	PAW 1060 Preparation for Employment.....	1 _____
<b>Required Internship Courses:</b>		
_____	AHR 1700 H, A/C, R Tech Internship I .....	3 _____
Communications: (2 courses – 1 written & 1 oral)		
_____	_____	3 _____
_____	_____	3 _____
Human Development: (1 course)		
_____	_____	3 _____
History/Political Science: (1 course)		
_____	_____	3 _____
Mathematics: (2 courses)		
_____	_____	3-5 _____
_____	_____	3-5 _____
Science: (1 course)		
_____	_____	3-5 _____
Computer Literacy: (1 course)		
_____	_____	2-3 _____
_____	<b>GUI1010 First Year Seminar</b> .....	1 _____
_____	<b>HIS0000 MO Higher Education Civics Exam</b> .....	0 _____
<b>Total Credit Hours</b>		<b>61 - 68</b>

**NOTE: See graduation policies on back**

**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.

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Signature Required  
Acknowledgement of Graduation Policies

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Date

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

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