

Student ID #: _____ Student: _____

Communications Electives – 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 Electives – 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 1230 Social Problems (3)
- SOC 1540 Introduction to Cultural Anthropology (3)
- SOC 1600 Ethnicity and Cultural Differences In America (3)

Mathematics Electives – 1 course

- MAT 1130 Intermediate Algebra * (3)
- MAT 1230 College Algebra +* (3)
- MAT 1330 Trigonometry +* (3)
- MAT 1600 Calculus for Business/Soc. Sciences +* (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)

Physical Science Electives – 1 course

- BIO 1100 Introduction to Biological Science (3)
- BIO 1150 General Biology (5)
- BIO 1250 General Botany (5)
- BIO 1350 General Zoology (5)
- BIO 1430 Environmental Science (3)
- PHS 1130 Physical Science * (5)
- PHS 1200 Introductory Astronomy (3)
- PHS 1230 Oceanography (3)
- PHS 1250 Introductory Chemistry * (5)
- PHS 1350 General Chemistry I * (5)
- PHS 1420 College Physics I * (4)
- PHS 2230 General Physics I * (4)
- PHS 2400 Earth Science (5)
- PHS 2420 Earth Science I (3)
- PHS 2430 Earth Science II (3)
- TEC 1070 Unified Technical Concepts I * (4)
- TEC 1080 Unified Technical Concepts II * (4)

Computer Literacy Electives – 1 course

- CIS 1050 Introduction to Computers (3)
- CIS 1750 Microcomputer Applications * (3)

+ Designates recommended courses for students planning to transfer to another institution or another program in the future.

* Designates courses with prerequisites.

(CC) These courses are available through Participating Area Career Centers.

NOTE: See graduation policies on back

**MINERAL AREA COLLEGE
CERTIFICATE PLAN**

**CERTIFICATE
Heating, Air Conditioning, and
Refrigeration Technology
(Major Code: HE)**

Choose seven (7) courses from the following Heating, AC, and Refrigeration Technology Courses: 21 credit hours

Sem/Yr		Grade
_____	AHR 1000 Safety for Heat/AC Ref. Prof. (CC)	3 _____
_____	AHR 1010 Air Condition & Refrigeration I (CC)	3 _____
_____	AHR 1030 Air Condition & Refrigeration II (CC)	3 _____
_____	AHR 1090 Basic Welding Heat/Ref/AC (CC)	3 _____
_____	AHR 1130 Basic Electricity Heat/Ref/AC (CC)	3 _____
_____	AHR 1200 Refrigeration Motors (CC)	3 _____
_____	AHR 1300 Refrigeration Controls (CC)	3 _____
_____	AHR 1400 Residential Cooling/Heating (CC)	3 _____
_____	AHR 1500 Commercial Cooling/Heating (CC)	3 _____
_____	AHR 1520 Commercial Refrigeration (CC)	3 _____
_____	AHR 1600 Troubleshoot Heat/Cool Systems (CC)	3 _____
	<i>Total Career Center Credits</i>	_____
	Communications Elective: (1 courses)	
_____	_____	3 _____
	Human Development Elective: (1 course)	
_____	_____	3 _____
	Mathematics Elective: (1 course)	
_____	_____	3-5 _____
	Physical Science Elective: (1 course)	
_____	_____	3-5 _____
	Computer Literacy Elective: (1 course)	
_____	_____	3 _____
	<u>TSA0000</u> Technical Skills Assessment	0 _____
	Total Credit Hours	36-40

Student's GPA: _____

TSA Date: _____

Advisor: _____

Certificate

HVAC

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 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 Services Director.
4. A cumulative 2.0 grade point average is required for graduation.
5. Last fifteen (15) hours must be earned at Mineral Area College.