

SS#: \_\_\_\_\_

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

**Computer Electives – 1 course**

- CIS1100 Microcomputer Graphics \* (3)
- CIS1610 IT Fundamentals (3)
- CIS1620 A+ Computer Repair & Maint. \* (3)**
- CIS1650 Accounting on Microcomputer \* (3)
- CIS1670 Fundamentals of Networking \* (3)
- CIS1680 Fundamentals of Network Security \* (3)
- CIS1700 Desktop Publishing \* (3)
- CIS1780 Illustrator I \* (3)
- CIS1800 Introduction to Networking \* (2)
- CIS1830 Novell Network Administration \* (3)
- CIS1840 Microsoft Networking Admin \* (3)
- CIS1860 Internetworking II \* (3)
- CIS1930 Computer Ethics (3)
- CIS2200 Microcomputer Spreadsheet Appl \* (3)
- CIS2210 Adv Spreadsheet Applications \* (3)
- CIS2320 WP-WordPerfect I \* (3)
- CIS2330 WP-WordPerfect II \* (3)
- CIS2350 WP-Microsoft Word \* (3)
- CIS2930 Adv Microcomputer Applications (3)
- CIS2960 Computer Networking Internship \* (3)
- CSC1100 Programming Logic (3)
- CSC1300 Video Game Design & Development \* (3)
- CSC2500 Advanced BASIC Programming \* (3)

**Communications Electives – 2 written & 1 oral**

- ENG1330 English Composition I +\* (3) (written)
- ENG1340 English Composition II +\* (3) (written)
- ENG1440 Public Speaking + (3) (oral)
- ENG1670 Interpersonal Communications I (3) (oral)

**Human Development Electives – 1 course**

- PSY1130 General Psychology I + (3)
- PSY1160 Applied Psychology (3)
- PSY1250 Human Growth & Development (3)
- SOC1130 General Sociology (3)
- SOC1230 Social Problems (3)
- SOC1540 Intro to Cultural Anthropology (3)
- SOC1600 Ethnicity & Cultural Differences (3)

**History/Political Science Electives – 1 course**

- HIS1230 American History I (3)
- HIS1240 American History II (3)
- POS1130 American National Government < (3)
- POS1140 American State and Local Government < (3)
- POS1180 American Political Systems + (3)

**Mathematics Electives – 2 courses**

- MAT1130 Intermediate Algebra \* (3)
- MAT1230 College Algebra +\* (3)
- MAT1330 Trigonometry +\* (3)
- MAT1600 Calculus for Business/Soc. Sciences \* (3)
- MAT1650 Analytical Geometry & Calculus I +\* (5)
- MAT2150 Analytical Geometry & Calculus II +\* (5)
- TEC1900 Technical Mathematics I \* (3)
- TEC1910 Technical Mathematics II \* (3)

**Science Electives – 1 course**

See List on Back

+ Recommended course for transfer students.

\* Course has prerequisite. See MAC Catalog.

**• Recommended course**

< No longer offered-will count if previously completed.

Gen Ed Cr. Hrs..... 24-30

Major Cr. Hrs.....40

Total Cr. Hrs..... 64-70

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

MINERAL AREA COLLEGE		
<b>ASSOCIATE OF APPLIED SCIENCE</b>		
<b>Business Computer Programming</b>		
(Major Code: CP)		
Sem/Yr		Grade
_____	CIS1050 Intro to Computers <b>OR</b> .....	3 _____
_____	CIS1750 Microcomputer Applications*	_____
_____	CIS1850 Internetworking I *.....	5 _____
_____	CIS1900 Fundamentals of Unix * .....	3 _____
_____	CIS2000 Micro Operating Systems * .....	3 _____
_____	CIS2100 Micro Database Management * .....	3 _____
_____	CIS2110 Advanced Micro Database Mgt * .....	3 _____
_____	CIS2400 Web Page Development * .....	3 _____
_____	CSC1500 BASIC Programming * .....	3 _____
_____	CSC2400 Computer Programming in C++ .....	3 _____
_____	CSC2420 Java Script Programming * .....	3 _____
_____	CSC2440 Web Programming Perl/CGI/Linux * .....	3 _____
_____	MGT1940 Management Seminar .....	1 _____
_____	PAW1060 Prep for Employment.....	1 _____
_____	Computer Elective .....	3 _____
Communications (2 written & 1 oral):		
_____	ENG1330 English Composition I *.....	3 _____
_____	ENG1340 English Composition II *.....	3 _____
_____	_____.....	3 _____
Human Development:		
_____	_____.....	3 _____
History/Political Science:		
_____	_____.....	3 _____
Mathematics:		
_____	_____.....	3-5 _____
_____	_____.....	3-5 _____
Science:		
_____	_____.....	3-5 _____
Total Credit Hours		64-70

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

TSA Date: \_\_\_\_\_

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

**Associate of Applied Science  
Business Computer Programming**

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**Science Electives – 1 course**

BIO1150 General Biology (5)  
BIO1250 General Botany (5)  
BIO1350 General Zoology (5)  
BIO1430 Environmental Science (3)  
PHS1130 Physical Science \* (5)  
PHS1200 Introductory Astronomy (3)  
PHS1230 Oceanography (3)  
PHS1250 Introductory Chemistry \* (5)  
PHS1350 General Chemistry I \* (5)  
PHS1420 College Physics I \* (4)  
PHS2230 General Physics I \* (4)  
PHS2400 Earth Science (5)  
PHS2420 Earth Science I (3)  
PHS2430 Earth Science II (3)  
TEC1070 Unified Technical Concepts I \* (4)  
TEC1080 Unified Technical Concepts II \* (4)

**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.
3. All applicants are required to complete a graduation interview with the Career Placement Office.
4. A cumulative 2.0 grade point average is required for graduation.
5. Last fifteen (15) hours must be earned at Mineral Area College.