

# CYBER SECURITY

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### Associate of Applied Science Degree

20121

Advisor: James McBride

This curriculum builds on the courses already offered in networking and server/client operating systems. It is a comprehensive program that prepares a student for a career in Information Security (Cyber Security) by teaching the principles needed to succeed and by preparing them for four industry certifications. It is for the student who is interested in digital forensics investigation, defending networks both large and small, and understanding the process of incident handling.

### Curriculum Requirements

CIS 170	Working in Technology OR	
CMP 100	Working in Technology	3 credits
CIS 180	IT Fundamentals OR	
CMP 118	IT Fundamentals OR	
CMP 107	Basic Principles of IT AND	
CMP 109	Intermediate Principles of IT	3 to 4 credits
CIS 191	Securing Operating Systems	3 credits
CIS 195	Networking Systems I OR	
CMP 250	Networking Systems I	3 credits
CIS 201	Securing Server Systems	3 credits
CIS 215	Incident Handler	3 credits
CIS 220	Hacking Forensic Investigator	3 credits
CIS 225	Network Defender	3 credits
CIS 235	Ethical Hacker I OR	
CMP 284	Ethical Hacker I	3 credits
CIS 236	Ethical Hacker II	3 credits
CIS 239	Cyber Security Capstone	3 credits
CMP 170	Database Management with Microsoft Access	3 credits
CMP 201	Systems and Procedures	3 credits

Total Curriculum Requirements - 39 to 40 credits

### General Education Requirements

Select a sufficient number of credits, including at least one course from a GE category other than Composition or Mathematics, from the list of General Education courses [here](#). You may not exceed nine credits in any GE Category, with the exception of Health and Physical Education where the maximum is two credits.

#### Composition

ENG 101	Written Communications I	3 credits
ENG 102	Written Communications II OR	
ENG 260	Technical Report Writing OR	
TEC 260	Technical Report Writing	3 credits

#### Mathematics

BUS 111	Business Mathematical Calculations OR	
MAT 100	Applied Mathematics or higher	3 to 5 credits

Courses listed in Curriculum Requirements that qualify for General Education credit (see the General Education section of the catalog) may fulfill both General Education and Curriculum Requirements unless General Education Requirements are specified in the major. Each course taken to satisfy the General Education Requirements of this degree must be completed with a grade of "C" or better

### Elective Requirements

To earn this degree you must select a sufficient number of elective credits numbered 100 or above to obtain the 60 credit hours required.

In addition to completing the required courses listed above, you must meet the following general graduation requirements to obtain this degree:

- Complete at least 16 degree credits at Eastern Arizona College.
- Attain a cumulative grade point average of 2.00 or higher.
- File a Graduation Petition through your Gila Hank Online account at least 60 calendar days prior to the end of the semester in which graduation is anticipated.
- Remove any indebtedness to the College.