

DEPARTMENT OF COMPUTER & INFORMATION SCIENCE

ASSOCIATE OF APPLIED SCIENCE IN CYBERSECURITY

An Associates of Applied Science (AAS) in Cybersecurity graduate will understand the techniques used to compromise and infiltrate systems as well as the proven methods to protect data. The AAS in Cybersecurity degree includes courses in programming, wireless technologies, mathematics, and networking with focused concentrations in both theory and hands-on experience.

Curriculum

The matrix below is a sample plan for all coursework required for this program.

Freshman

Fall	Credits
ENGL 1013 Composition I ¹	3
FAH 1XXX Fine Arts and Humanities Courses ¹	3
MATH 2243 Calculus for Business and Economics ³	3
TECH 1001 Orientation to the University ²	1
CSEC 1003 Introduction to Cybersecurity	3
CSEC 1113 Introduction to Networking	3
Total Hours	16

Spring	Credits
ENGL 1023 Composition II ¹	3
SCIL 1XXX Science with Laboratory ¹	4
COMS 1011 Programming Foundations I Lab and COMS 1013 Programming Foundations I	4
CSEC 1213 Wireless and Cellular Security	3
Total Hours	14

Sophomore

Fall	Credits
CSEC 2223 Virtualization	3
COMS 2203 Programming Foundations II	3
MATH 2703 Discrete Mathematics	3
CSEC 2213 Network Forensics and Incident Response	3
SS 1XXX Social Science Courses ¹	3
Total Hours	15

Spring	Credits
COMM 2173 Business and Professional Speaking ⁴	3

Spring	Credits
COMS 2323 Programming in Python	3
COMS 2213 Data Structures	3
Elective	6
Total Hours	15

¹See appropriate alternatives or substitutions in "[General Education Requirements](#)".

²TECH 1013 Introduction to the University is a substitution for TECH 1001 Orientation to the University; Electives would reduce from 6 hours to 4 hours.

³MATH 2914 Calculus I is a substitution for MATH 2243 Calculus for Business and Economics.

⁴COMM 2003 Public Speaking is a substitution for COMM 2173 Business and Professional Speaking.