CYBERSECURITY, ASSOCIATE OF APPLIED SCIENCE

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.

Course	Title	Hours
Freshman		
Fall		
ENGL 1013	Composition I [1]	3
FAH 1XXX	Fine Arts and Humanities Courses [1]	3
MATH 2243	Calculus for Business and Economics [2]	3
TECH 1001	Orientation to the University [3]	1
CSEC 1003	Introduction to Cybersecurity	3
CSEC 1113	Introduction to Networking	3
	Hours	**16**
Spring		
ENGL 1023	Composition II [1]	3
SCIL 1XXX	Science with Laboratory [1]	4
COMS 1011 & COMS 1013	Programming Foundations I Lab and Programming Foundations I	4
CSEC 1213	Wireless and Cellular Security	3
	Hours	**14**
Sophomore		
Fall		
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
	Hours	**15**
Spring		
COMM 2173	Business and Professional Speaking [4]	3
COMS 2323	Programming in Python	3
COMS 2213	Data Structures	3
Elective		6
	Hours	**15**
	Total Hours	**60**

1. See appropriate alternatives or substitutions in "General Education Requirements (https://catalog.atu.edu/undergraduate/general-education-requirements/)."
2. MATH 2914 Calculus I is a substitution for MATH 2243 Calculus for Business and Economics.
3. TECH 1013 Introduction to the University is a substitution for TECH 1001 Orientation to the University; Electives would reduce from 6 hours to 4 hours.
4. COMM 2003 Public Speaking is a substitution for COMM 2173 Business and Professional Speaking.