

# 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 <sup>1</sup>	3
FAH 1XXX Fine Arts and Humanities Courses <sup>1</sup>	3
MATH 2243 Calculus for Business and Economics <sup>3</sup>	3
TECH 1001 Orientation to the University <sup>2</sup>	1
CSEC 1113 Introduction to Networking	3
<b>Total Hours</b>	<b>13</b>

Spring	Credits
ENGL 1023 Composition II <sup>1</sup>	3
USHG 1XXX U S HISTORY & GOVERNMENT <sup>1</sup>	3
COMS 1011 Programming I Lab and COMS 1013 Programming I	4
CSEC 2113 Introduction to Information Systems	3
CSEC 1213 Wireless and Cellular Security	3
<b>Total Hours</b>	<b>16</b>

#### Sophomore

Fall	Credits
ELEG 2130 Digital Logic Design Lab and ELEG 2134 Digital Logic Design	4
COMS 2203 Programming II	3
MATH 2703 Discrete Mathematics	3
CSEC 2213 Network Forensics and Incident Response	3
Social Science <sup>1</sup>	3
<b>Total Hours</b>	<b>16</b>

Spring	Credits
COMM 2173 Business and Professional Speaking <sup>4</sup>	3

Spring	Credits
SCIL 1XXX SCIENCE WITH LABORATORY <sup>1</sup>	4
COMS 2213 Data Structures	3
Elective	2
CSEC 2223 Virtualization	3
<b>Total Hours</b>	<b>15</b>

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

<sup>2</sup>TECH 1013 Introduction to the University is a substitution for TECH 1001 Orientation to the University; Electives would reduce from 2 hours to 0 hours.

<sup>3</sup>MATH 2914 Calculus I is a substitution for MATH 2243 Calculus for Business and Economics.

<sup>4</sup>COMM 2003 Public Speaking is a substitution for COMM 2173 Business and Professional Speaking.