

# CYBERSECURITY - ASSOCIATE OF APPLIED SCIENCE

**(63-64 credits)**

## A Suggested Plan of Study

The contents of this roadmap may vary depending on initial student placement in mathematics and English. This is only a suggested plan of study for students, and is not intended as a contract. Individual student academic plans may vary. Please contact your academic advisor to create a plan that works for you. Course availability may vary from fall to spring semester and may be subject to modification or change.

**NOTE:** Degree requires a minimum of **60 credit hours** and a cumulative GPA of 2.0.

**NOTE:** Students must earn a final grade of C- or better in all Major Requirements courses and achieve a cumulative grade-point average of at least 2.0. A grade of C- or better is required in ENGL 1110G Composition I and designated Mathematics courses.

Students must complete all University degree requirements, which include: General Education requirements and elective credits to total at least 60 credits. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

Semester 1		Credits
Area I: Communications - English Composition Level 1		4
ENGL 1110G	Composition I	
Area IV: Social/Behavioral Sciences		3
CJUS 1110G	Introduction to Criminal Justice	
CIST 1680	Linux Essentials	3
CIST 2311	Database Concepts and Principles	3
ELECTIVES		
From BCIS, CSCI, CIST, E T, MATH OR AIML		3
<b>Credits</b>		<b>16</b>
Semester 2		Credits
General Education Elective - Area I: Communications - English Composition Level 2		3
ENGL 2210G	Professional and Technical Communication	
BCIS 1160	Windows	3
CIST 1411	Introduction to Networks	4
CIST 2636	CLOUD Computing	3
ELECTIVES		
From BCIS, CSCI, C S, CIST, E T, MATH OR AIML		3
<b>Credits</b>		<b>16</b>
Semester 3		Credits
Area II: Mathematics - Choose one from the following:		3-4
MATH 1220G	College Algebra	
MATH 1250G	Trigonometry & Pre-Calculus	
MATH 1350G	Introduction to Statistics	
MATH 1430G	Applications of Calculus I	
MATH 1511G	Calculus and Analytic Geometry I	
MATH 1521G	Calculus and Analytic Geometry II	
MATH 1521H	Calculus and Analytic Geometry II Honors	

CIST 1409 or CIST 1121 or CIST 1605	IT Essentials I: PC Hardware, Software, and Practical Applications or A+ Hardware and Operating Systems or Internet of Things	3
CIST 1412	Network Device Configuration	4
CIST 2611	Windows Hybrid Server Administration	3
CIST 2811	Foundations of Security	3
<b>Credits</b>		<b>16-17</b>
Semester 4		Credits
Area III: Laboratory Sciences		4
CSCI 1115G	Modern Computing in Practice	
CIST 2812	Fundamentals of Cybersecurity	3
CIST 2881	Cybersecurity Fundamentals	3
CIST 2887	Ethical Hacking	3
Electives		
From BCIS, CSCI, C S, E T, MATH OR AIML		2
<b>Credits</b>		<b>15</b>
<b>Total Credits</b>		<b>63-64</b>