



# Cybersecurity and Information Assurance Certificate

FULL TIME

This program roadmap represents one possible pathway to complete the program. **Please see a counselor** to create an education plan that is customized to meet your needs. This roadmap is not a guarantee of course availability or financial aid applicability.

Catalog: 2025-26

Total Units: 31

## First Year

### Semester 1

16 Units

CAT.	COURSE	UNIT	PREREQUISITES
Req	<b>CISN 340</b> Cisco Networking Academy CCNA: Introduction to Networks	3.5	
Req	<b>CISN 341</b> Cisco Networking Academy CCNA: Switching, Routing, and Wireless Essentials	3.5	CISN 340
Req	<b>CISN 300</b> Network Systems Administration	3	
Req	<b>CISS 310</b> Network Security Fundamentals	3	
Req	<b>CISS 350</b> Disaster Recovery	3	

### Semester 2

15 Units

CAT.	COURSE	UNIT	PREREQUISITES
Req	<b>CISS 315</b> Ethical Hacking	3	
Req	<b>CISS 316</b> Cisco Networking Academy(R): CyberOps Associate	3	
Req	<b>CISS 321</b> Scripting for Cyber Security	3	(see below)
Req	<b>CISS 330</b> Implementing Internet Security and Firewalls	3	CISS 310
Req	<b>CISS 360</b> Computer Forensics and Investigation	3	

**CISS 321 prerequisite:** CISN 340, CISS 310, or CISS 315

#### EXPLANATION OF CATEGORIES

Req	Required Core	A course that is required for this program
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## CAREER PATH

### Career Options:

- Cybersecurity Engineer
- Cyber Operations Planner
- IT Security Specialist
- Information Security Analyst
- IT Privacy Analyst
- IT Risk Analyst Security Operations Center (SOC) Technician
- Information Security Auditor

### Scheduling Notes:

- CISN 340 is offered in the 1<sup>st</sup> 8 weeks and CISN 341 is offered in the 2<sup>nd</sup> 8 weeks, so they can be taken in the same semester.

### Other Notes:

- This certificate prepares students for several nationally recognized, high demand certifications in the field of cybersecurity.
- Students are strongly advised to get an IT internship as early as possible because most employers require work experience in the field.
- By the end of the second semester, students qualify for the **Computer Information Security Essentials** certificate.