



Cybersecurity and Information Assurance Certificate

PART 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

7 Units

CAT.	COURSE	UNIT	PREREQUISITES
Req	CISN 340 Cisco Networking Academy CCNA: Introduction to Networks	3.5	
Req	CISN 341 Cisco Networking Academy CCNA: Switching, Routing, and Wireless Essentials	3.5	CISN 340

Semester 2

6 Units

CAT.	COURSE	UNIT	PREREQUISITES
Req	CISN 300 Network Systems Administration	3	
Req	CISS 310 Network Security Fundamentals	3	

Second Year

Semester 3

9 Units

CAT.	COURSE	UNIT	PREREQUISITES
Req	CISS 315 Ethical Hacking	3	
Req	CISS 350 Disaster Recovery	3	
Req	CISS 360 Computer Forensics and Investigation	3	

Semester 4

9 Units

CAT.	COURSE	UNIT	PREREQUISITES
Req	CISS 316 Cisco Networking Academy(R): CyberOps Associate	3	
Req	CISS 321 Scripting for Cyber Security	3	(see below)
Req	CISS 330 Implementing Internet Security and Firewalls	3	CISS 310

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

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 1st 8 weeks and CISN is offered in the 2nd 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 third semester, students qualify for the **Computer Information Security Essentials** certificate.

EXPLANATION OF CATEGORIES

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Req	Required Core	A course that is required for this program
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