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: 2024-25

Total Units: 31

First Year

Semester 1 — 16 Units

CAT.	COURSE	TITLE	UNIT
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
Req	CISN 300	Network Systems Administration	3
Req	CISS 310	Network Security Fundamentals	3
Req	CISS 350	Disaster Recovery	3

Semester 2 — 15 Units

CAT.	COURSE	TITLE	UNIT
Req	CISS 315	Ethical Hacking	3
Req	CISS 316	Cisco Networking Academy(R): CyberOps Associate	3
Req	CISS 321	Scripting for Cyber Security	3
Req	CISS 330	Implementing Internet Security and Firewalls	3
Req	CISS 360	Computer Forensics and Investigation	3

EXPLANATION OF CATEGORIES		
Req	Required Core	A course that is required for this program

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 second semester, students qualify for the **Computer Information Security Essentials certificate**.