



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

GE Pattern: local AA/AS

Total Units: 60

## First Year

### Semester 1

16 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
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		
GE	<b>ENGL C1000</b> Academic Reading and Writing or	3		LIA
	<b>ENGL C1000H<sup>H</sup></b> Academic Reading and Writing - Honors	3		

### Semester 2

15 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	<b>CISS 315</b> Ethical Hacking	3		
Req	<b>CISS 350</b> Disaster Recovery	3		
Req	<b>CISS 360</b> Computer Forensics and Investigation	3		
GE	<b>MATH 300</b> Introduction to Mathematical Ideas	3		L2
GE	any Area L3 (Arts & Humanities) course	3		L3

## Second Year

### Semester 3

15 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	<b>CISS 316</b> Cisco Networking Academy(R): CyberOps Associate	3		
Req	<b>CISS 321</b> Scripting for Cyber Security	3	(see below)	

## 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

### Advising Notes:

- This degree can be completed using either the local AA/AS general education (GE) pattern or the Cal-GETC transfer GE pattern. [See a counselor](#) to determine which pattern is best for you based on your academic goals.
- Students can substitute ESLW 340 for ENGL C1000/C1000H (formerly known as ENGWR 300/480).
- **Elective Courses:** any elective courses numbered 100-499, or having a 4-digit number starting with C.

### Scheduling Notes:

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

### Other Notes:

- This degree prepares students for several nationally recognized, high demand certifications in the field of cybersecurity.

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	CISS 330 Implementing Internet Security and Firewalls	3	CISS 310	
GE	any Area L1B (Oral Communication & Critical Thinking) course	3		L1B
GE	any Area L5 (Natural Sciences) course	3		L5

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

#### Semester 4

14 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
GE	any Area L4 (Social & Behavioral Sciences) course	3		L4
GE	any Area L6 (Ethnic Studies) course	3		L6
GE	any Area L7A (Physical Education) course	1		L7A
GE	any Area L7B (Life Development Skills) course	2		L7B
Elec	any elective course	3		
Elec	any elective course	2		

<sup>H</sup> honors courses

- 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**.
- By the end of the third semester, students qualify for the **Cybersecurity and Information Assurance certificate**.

#### EXPLANATION OF CATEGORIES

Req	Required Core	A course that is required for this program
GE	General Education	A course that fulfills a specific general education requirement for a degree, which can be replaced with another course that meets the same requirement
Elec	Degree Elective	A degree-applicable course that is part of a degree roadmap to ensure that there is a total of at least 60 units, which is a requirement for an associate degree