



# Cybersecurity and Information Assurance A.S. Degree

This program map represents one possible path for completing this program. **Please see a counselor** to create an educational plan that is customized to meet your needs. This path is not a guarantee of course availability or financial aid applicability.

Catalog: 2024-25

Total Units: 60-61

## First Year

### Semester 1

13-14 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	CISN 340	CISCO Networking Academy (CCNA)tm: Introduction to Networks	3.5	
Maj	CISN 341 <sup>+</sup>	CISCO Networking Academy (CCNA)tm:Switching, Routing, and Wireless Essentials	3.5	
GE	INDIS 313 <sup>*</sup>	Freshman Seminar	3	IIIB
GE	ENGWR 300 <sup>**</sup> / 488 <sup>H</sup> / ESLW 340	College Composition	3-4	IIA

+ **Prerequisite for CISN 341:** CISN 340 with a grade of "C" or better

**\*INDIS 313 - Freshman Seminar is specifically designed for First Time in College students. If you're not a First Time in College student, please select a GE course from SCC General Education Area IIb, such as HCD 310-College Success.**

**\*\*If you don't place directly in ENGWR 300 (check your e-Services account), you will need to take ENGWR 80/ENGWR 300 combo course.**

### Semester 2

15 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	CISN 300	Network Systems Administration	3	
Maj	CISS 310	Network Security Fundamentals	3	
Maj	CISS 350	Disaster Recovery	3	
GE	MATH 300 <sup>*</sup>	Introduction to Mathematical Ideas	3	IIB
GE		Social & Behavioral Sciences	3	VB

**\*If you don't place directly in MATH 300 (check your e-Services account), you will need to take MATHS 95/MATH 300 combo course.**

### Legend

- **(H)** - Honors
- **Elec** - Elective
- **GE** - General Education
- **Maj** - Required Core
- **ME** - Major Elective

### Disclaimer

Every effort has been made to ensure that what is listed in the SCC Program Paths are accurate. The courses, the course sequencing, and the programs are subject to change without notice by the administration of the Los Rios Community College District and Sacramento City College at the discretion of the district and Sacramento City College. Further, Sacramento City College reserves the right to amend any course or program.

**PLEASE SEE AN SCC COUNSELOR.**

### AA/AS Requirements

Associate Degrees require the following:

1. Completion of a minimum of 60 degree-applicable units with an overall grade point average (GPA) of 2.0 ("C" average). A minimum of 12 units must be completed at Sacramento City College.
2. Completion of each required course with a grade of "C" or better for a major offered at Sacramento City College.
3. Completion of Sacramento City College's general education requirements – Area I; Area II(a) and II(b); Area III(a) and III(b), or Area III(c); Area IV; Area V; and Area VI – with an overall 2.0 GPA.
4. Completion of all three competency requirements (reading, writing, and mathematics).

## Second Year

## Semester 3

16 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	CISS 315	Ethical Hacking	3	
Maj	CISS 321 <sup>+</sup>	Scripting for Cyber Security	3	
Maj	CISS 330 <sup>+</sup>	Implementing Internet Security and Firewalls	3	
GE		American Institutions	3	VA
GE		Physical Education	1	IIIA
Maj	CISS 316 <sup>*</sup>	Cisco Networking Academy(R): CyberOps Associate	3	

+ **Prerequisite for CISS 321:** CISCN 340, CISS 310, or CISS 315 with a grade of "C" or better

+ **Prerequisite for CISS 330:** CISS 310 with a grade of "C" or better

\*CISS 316 is only offered during the fall and summer semesters.

## Semester 4

16 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
ME	CISS 360 <sup>**</sup>	Computer Forensics and Investigation	3	
GE		Ethnic/Multicultural Studies	3	VI
GE		Natural Sciences	3	IV
GE		Humanities	3	I
Elec		*Elective	1	
Elec		*Elective	3	

+ **Prerequisite for CISS 360:** CISS 310 or 315 with a grade of "C" or better

\*CISS 360 is only offered during the spring semester.

\*Electives may include any courses numbered 100-499.

Students with Advanced Placement (AP) and International Baccalaureate Credit (IB) test scores should notify their Counselor to learn more about how test scores may be used for credit.

**Exception:** Students who possess a bachelor's (BA/BS) or higher degree from a college or university accredited through a regional accrediting agency recognized by the Council for Higher Education Accreditation (CHEA) are deemed to have satisfied both the general education and graduation competency requirements for an AA/AS degree. Degrees from accredited institutions outside of the US will be evaluated on a case-by-case basis.

### Department Notes

- Students are encouraged to contact the CIS faculty for course sequence adjustments.
- Department contact: Kevin Anderson

andersk@scc.losrios.edu

### Placement Information

Support courses required for English and Math per placement. **Check your e-Services account under "Academic Records" to determine your placements.**

### Important Links

[SCC General Counseling](#)  
[Computer Science Information - Cybersecurity and Information Assurance](#)  
[Business & Industry Meta Majors](#)