Network Design A.S. Degree - Cal-GETC GE

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: 2026-27

Total Units: 64-65

First Year

Semester 1

16-17 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Maj	CISN 340	CISCO Networking Academy (CCNA)tm: Introduction to Networks	3.5	
Maj	CISN 341 +	CISCO Networking Academy (CCNA)tm:Switching, Routing, and Wireless Essentials	3.5	
GE		Social and Behavioral Sciences	3	Cal-GETC Area 4
GE	ENGL C1000 * / 488 H / ESLW 340	Academic Reading and Writing	3-4	Cal-GETC Area 1A
GE		Ethnic Studies	3	Cal-GETC Area 6

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

*If you don't place directly in ENGL C1000 (check your eServices account), you will need to take ENGL 80/ENGL C1000 combo course.

+Prerequisite for ENGL 488: ESL 325 with a grade of "C" or better, or placement through the assessment process

+Prerequisite for ESLW 340: ESL 325 with a grade of "C" or better; or, for students not previously enrolled in ESL writing courses within the Los Rios district, placement through the Los Rios assessment process

Semester 2

16 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Maj	CISS 310	Network Security Fundamentals	3	
Maj	CISN 336 +*	Wireless Technologies	3	
ME	CISC 320 / 323	Major Elective	1	

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 within the Los Rios Community College District.**

CAT.	COURSE	TITLE	UNIT	GE AREA
Maj	CISN 300	Network Systems Administration	3	
GE		**Mathematical Concepts & Quantitative Reasoning	3	Cal-GETC Area 2
GE		Critical Thinking and Composition	3	Cal-GETC Area 1B

+Prerequisite for CISN 336: CISN 341 with a grade of "C" or better

*CISN 336 is typically only offered during the fall semester.

**Choose one of the recommended courses under your STEM placements (check your e-Services account). Meet with a counselor for recommended Math options.

Second Year

Semester 3

15.5 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Maj	CISN 308 +*	Internetworking with TCP/IP	3	
Maj	CISN 342 +	CISCO Networking Academy (CCNA)tm: Enterprise Networking, Security, and Automation	3.5	
GE		Humanities	3	Cal-GETC Area 3B
GE		Oral Communication	3	Cal-GETC Area 1C
GE		Biological Science	3	Cal-GETC Area 5B

+Prerequisite for CISN 308: CISN 300 with a grade of "C" or better

*CISN 308 is typically only offered during the spring semester.

+Prerequisite for CISN 342: CISN 341 with a grade of "C" or better

Semester 4

16.5 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Maj	CISN 346 +*	Network Design and Projects	3.5	
ME		**Major Elective	3	
GE		Physical Science	3	Cal-GETC Area 5A

2. **Completion of each required course with a grade of "C" or better for a major offered at Sacramento City College.**
3. **Completion of the Californi a General Education Transf er Curriculum (Cal-GETC). Areas 1 through 6 must be completed with a grade of "C" or better.**

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.

Placement Information

Check your eServices account under "Academic Records" to determine your Math and English placements.

Department Notes

- Students are encouraged to contact the CIS faculty for course sequence adjustments.

CAT.	COURSE	TITLE	UNIT	GE AREA
GE		***Associate Lab Component	1	Cal-GETC Area 5C
GE		Arts	3	Cal-GETC Area 3A
GE		****Social & Behavioral Sciences	3	Cal-GETC Area 4

+Prerequisite for CISN 346: CISN 341 with a grade of "C" or better

*CISN 346 is typically only offered during the spring semester.

**Major Elective - Choose one course this semester: CISN 303^, CISN 304, CISN 316+, CISN 327+, CISN 328+^, CISN 329+^, CISS 316^, CISS 321+^, CISS 327+^

+Prerequisite for CISN 316: CISN 300 or 340 with a grade of "C" or better

+Prerequisite for CISN 327: CISN 300 or 340 with a grade of "C" or better

+Prerequisite for CISN 328: CISN 327 with a grade of "C" or better

+Prerequisite for CISN 329: CISN 328 with a grade of "C" or better

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

+Prerequisite for CISS 327: CISN 340 and 341 with grades of "C" or better

^CISN 303 is typically only offered during the spring semester.

^CISN 328 is typically only offered during the spring semester.

^CISN 329 is typically only offered during the fall semester.

^CISS 316 is typically only offered during the fall and summer semesters.

^CISS 321 is typically only offered during the summer semester.

^CISS 327 is typically only offered during the spring semester.

***Cal-GETC Area 5C will not be required if a laboratory activity is included in 5A or 5B.

****Cal-GETC Area 4 requires 2 courses from different disciplines. Select a course from Cal-GETC Area 4 from a different discipline than the previously completed Cal-GETC Area 4 course.

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Important Links

- SCC General Counseling
- Computer Science - Network Design
- Business & Industry Meta Majors