



# 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:** 2025-26

**Total Units:** 67-68

## First Year

### Semester 1

16-17 Units

| CAT. | COURSE  | TITLE   | UNIT | GE AREA          |
|------|---|---|------|------------------|
| Maj  | CISN 340  | CISCO Networking Academy (CCNA)™: Introduction to Networks                    | 3.5  |                  |
| Maj  | CISN 341 <sup>+</sup>                                       | CISCO Networking Academy (CCNA)™: Switching, Routing, and Wireless Essentials | 3.5  |                  |
| GE   |   | Social and Behavioral Sciences  | 3    | Cal-GETC Area 4  |
| GE   | ENGL C1000 <sup>*</sup> / ENGWR 488 <sup>H</sup> / ESLW 340 | Academic Reading and Writing  | 3-4  | Cal-GETC Area 1A |
| Elec | INDIS 313   | **Freshman Seminar  | 3    |                  |

**+ 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 ENGWR 80/ENGL C1000 combo course.

**\*\*INDIS 313 - Freshman Seminar is specifically designed for First Time in College students. This course is a non-required elective. If you're not a First Time in College student and/or you only would like to take required courses, you do not need to take this course.**

### Semester 2

16 Units

| CAT. | COURSE                 | TITLE                              | UNIT | GE AREA          |
|------|------------------------|------------------------------------|------|------------------|
| Maj  | CISS 310               | Network Security Fundamentals      | 3    |                  |
| Maj  | CISN 336 <sup>+</sup>  | Wireless Technologies              | 3    |                  |
| ME   | CISC 320 / 323         | Operating Systems                  | 1    |                  |
| ME   |                        | *Major Elective List               | 3    |                  |
| GE   | MATH 300 <sup>**</sup> | Introduction to Mathematical Ideas | 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

### 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.
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 California General Education Transfer 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**

\*Major Elective List - A minimum of 6 units from the following - Choose one course this semester: CISN 300, CISN 303, CISN 304, CISN 316, CISN 327, CISN 328, CISN 329, CISS 316, CISS 321, CISS 327

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

## Summer Term

6 Units

| CAT. | COURSE | TITLE          | UNIT | GE AREA           |
|------|--------|----------------|------|-------------------|
| GE   |        | Ethnic Studies | 3    | SCC Local Area L6 |
| GE   |        | Humanities     | 3    | Cal-GETC Area 3B  |

## Second Year

### Semester 3

15.5 Units

| CAT. | COURSE                | TITLE  | UNIT | GE AREA          |
|------|-----------------------|--|------|------------------|
| Maj  | CISN 308 <sup>+</sup> | Internetworking with TCP/IP  | 3    |                  |
| Maj  | CISN 342 <sup>+</sup> | CISCO Networking Academy (CCNA)tm: Enterprise Networking, Security, and Automation | 3.5  |                  |
| ME   |                       | *Major Elective List   | 3    |                  |
| 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

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

\*Major Elective A minimum of 6 units from the following - Choose one course this semester not already completed in a previous semester: CISN 300, CISN 303, CISN 304, CISN 316, CISN 327, CISN 328, CISN 329, CISS 316, CISS 321, CISS 327

### Semester 4

13.5 Units

| CAT. | COURSE                | TITLE                         | UNIT | GE AREA          |
|------|-----------------------|-------------------------------|------|------------------|
| Maj  | CISN 346 <sup>+</sup> | Network Design and Projects   | 3.5  |                  |
| GE   |                       | *Social & Behavioral Sciences | 3    | Cal-GETC Area 4  |
| GE   |                       | Physical Science              | 3    | Cal-GETC Area 5A |
| GE   |                       | **Associate Lab Component     | 1    | Cal-GETC Area 5C |
| GE   |                       | Arts                          | 3    | Cal-GETC Area 3A |

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

*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.
- Department contact: Abdelaziz Kaina

KainaA@scc.losrios.edu

### Important Links

- [SCC General Counseling](#)
- [Computer Science - Network Design](#)
- [Business & Industry Meta Majors](#)

\*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.

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

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