



Network Design 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: 2025-26

Total Units: 60-61

First Year

Semester 1

14-15 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
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	INDIS 313 [*]	Freshman Seminar	3	L7B
GE	ENGL C1000 ^{**} / ENGWR 488 ^H / ESLW 340	Academic Reading and Writing	3-4	L1A
GE		Physical Education	1	L7A

+ 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 L7B, such as HCD 310-College Success.**

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

Semester 2

15 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	CISS 310	Network Security Fundamentals	3	
Maj	CISN 336 ⁺	Wireless Technologies	3	
ME	CISC 320 / 323	Operating Systems	1	
ME		*Major Elective List	3	
GE	MATH 300 ^{**}	Introduction to Mathematical Ideas	3	L2
Elec		***Elective	2	

+ 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 Sacramento City College's local AA/AS general education requirements – Area L1A and L1B; Area L2; Area L3; Area L4; Area L5; Area L6; and Area L7A and L7B – with an overall 2.0 GPA.

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.

*Major Elective List - A minimum of 6 units from the following - Choose one course this semester: CISCN 300, CISCN 303, CISCN 304, CISCN 316, CISCN 327, CISCN 328, CISCN 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.

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

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.
- Department contact: Abdelaziz Kaina

KainaA@scc.losrios.edu

Important Links

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

Second Year

Semester 3

15.5 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	CISCN 308 ⁺	Internetworking with TCP/IP	3	
Maj	CISCN 342 ⁺	CISCO Networking Academy (CCNA)tm: Enterprise Networking, Security, and Automation	3.5	
ME		*Major Elective List	3	
GE		Humanities	3	L3
Elec		**Elective	3	

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

+ Prerequisite for CISCN 342: CISCN 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: CISCN 300, CISCN 303, CISCN 304, CISCN 316, CISCN 327, CISCN 328, CISCN 329, CISS 316, CISS 321, CISS 327

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

Semester 4

15.5 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	CISCN 346 ⁺	Network Design and Projects	3.5	
GE		Social & Behavioral Sciences	3	L4
GE		Ethnic Studies	3	L6
GE		Natural Sciences	3	L5
Elec		*Elective	3	

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

*Electives may include any courses numbered 100-499.

