



Network Administration A.S. Degree - Local 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: 60-61

First Year

Semester 1

15 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Maj	CISN 300	Network Systems Administration	3	
Maj	CISN 302 ⁺	Intermediate Network Systems Administration	3	
GE	INDIS 313 [*]	Freshman Seminar	3	SCC Local Area L7B
GE	MATH 300 ^{**}	Introduction to Mathematical Ideas	3	SCC Local Area L2
GE		Arts and Humanities	3	SCC Local Area L3

+ Prerequisite for CISN 302: CISN 300 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 MATH 300 (check your eServices account), you will need to take MATHS 95/MATH 300 combo course.**

Semester 2

15-16 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Maj	CISN 306 ⁺	Advanced Network Systems Administration	3	
Maj	CISN 307 ⁺	Windows Active Directory Services	3	
Maj	CISN 308 ⁺	Internetworking with TCP/IP	3	
GE	ENGL C1000 [*] / ENGWR 488 ^H / ESLW 340	Academic Reading and Writing	3-4	SCC Local Area L1A
Elec		**Elective	3	

+ Prerequisite for CISN 306, 307, 308: CISN 300 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

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 degree general education requirements – Area L1A and L1B; Area L2; Area L3; Area L4; Area L5; and Area L6; and Area L7A and L7B – with an overall 2.0 GPA. Students also have an option of completing the California General Education Transfer Curriculum (Cal-GETC) instead of the local general education pattern.

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

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

Second Year

Semester 3

16 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Maj	CISN 340	CISCO Networking Academy (CCNA)tm: Introduction to Networks	3.5	
ME		*Major Elective List	3	
Maj	CISN 341 +	CISCO Networking Academy (CCNA)tm:Switching, Routing, and Wireless Essentials	3.5	
GE		Social & Behavioral Sciences	3	SCC Local Area L4
GE		Oral Communication & Critical Thinking	3	SCC Local Area L1B

***See Major Elective list in semester 4 - Choose one course this semester.**

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

Semester 4

14 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
ME		*Major Elective List	2	
GE		Ethnic Studies	3	SCC Local Area L6
GE		Natural Sciences	3	SCC Local Area L5
GE		Physical Education	1	SCC Local Area L7A
ME	CISS 310 / 315	Network Security Fundamentals	3	
Elec		**Elective	2	

***See Major Elective list below - Choose one course not already completed in a previous semester to equal 5 units total.**

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

***Major Elective List:** A minimum of 5 units from the following

CISC 310 Introduction to Computer Science (3)

CISC 320 Operating Systems (1)

CISC 323 Linux Operating System (1)

CISC 324 Intermediate Linux Operating System (1)

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.
- Department contact: Abdelaziz Kaina

KainaA@scc.losrios.edu

Important Links

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

CISC 351 Introduction to Local Area Networks (1)

CISC 355 Introduction to Data Communications (1.5)

CISC 360 Information & Communication Technology Essentials (A+) (4)

CISN 303 Network Administration - Linux Server (3)

CISN 304 Networking Technologies (3)

CISN 315 Advanced Network Administration - Linux Server (3)

CISN 316 Virtualization Concepts & Technologies (3.5)

CISN 320 Designing Windows Directory Services (3)

CISN 327 Cloud Infrastructure & Services (3.5)

CISN 328 Cloud Solution Architect (3)

CISN 329 Cloud SysOps & Operations Administration (3)

CISN 342 Networking Academy (CCNA) tm: Enterprise Networking, Security, and Automation (3.5)

CISN 346 Network Design & Projects (3.5)

CISN 374 Messaging Server Administration (3)

CISN 378 Database Administration for Microsoft SQL Server (3)

CISS 300 Introduction to Information Systems Security (1)

CISS 310 Network Security Fundamentals (3)

CISS 315 Ethical Hacking (3)

CISS 316 Cisco Networking Academy tm: CCNA Cybersecurity Operations (3)

CISS 321 Scripting for Cyber Security (3)

CISS 327 Cisco Networking Academy tm: CCNA Security: Implementing Internet Security & Firewalls (3.5)

CISS 330 Implementing Internet Security & Firewalls (3)

CISS 350 Disaster Recovery (3)

CISS 360 Computer Forensics & Investigation (3)