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: 2026-27

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[*] / HCD 310	Life Development Skills	3	SCC Local Area L7B
GE		**Mathematical Concepts & Quantitative Reasoning	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

*First-time college students who would like to participate in First-Year Experience (FYE) should take INDIS 313. All other students can take HCD 310 or speak with a counselor regarding their choices.

**Choose one of the recommended courses under your STEM placements. (Check your eServices account.) Meet with a counselor for recommended Math options.

Semester 2

15.5-16.5 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Maj	CISN 340	CISCO Networking Academy (CCNA)tm: Introduction to Networks	3.5	

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**

CAT.	COURSE	TITLE	UNIT	GE AREA
Maj	CISN 306[+*]	Advanced Network Systems Administration	3	
Maj	CISN 308[+**]	Internetworking with TCP/IP	3	
GE	ENGL C1000[***] / 488[H] / ESLW 340	Academic Reading and Writing	3-4	SCC Local Area L1A
GE		Ethnic Studies	3	SCC Local Area L6

+ Prerequisite for CISN 306 & 308: CISN 300 with a grade of "C" or better

*CISN 306 is typically only offered during the spring semester.

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

***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

Second Year

Semester 3

15.5 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Maj	CISN 307[+**]	Windows Active Directory Services	3	
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

+ Prerequisite for CISN 307: CISN 300 with a grade of "C" or better

*CISN 307 is typically only offered during the fall semester.

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-GE TC) instead of the local general education pattern.**

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

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		Natural Sciences	3	SCC Local Area L5
GE		Physical Education	1	SCC Local Area L7A
ME	CISS 310 / 315	Major Elective	3	
Elec		**Elective	3	
Elec		**Elective	2	

See Major Elective list below - Choose one course not already completed in a previous semester to equal 5 units total. Check for prerequisites prior enrolling into the courses.

Electives may include any courses numbered 100-499. **Meet with a counselor to discuss potential elective course options.

***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)

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)

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

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)

^CISC 360 is typically only offered during the fall semester.

^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.

^CISN 346 is typically only offered during the spring 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.

^CISS 330 is typically only offered during the spring semester.

^CISS 360 is typically only offered during the spring semester.

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