Network Administration Certificate

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: 30

First Year

Semester 1

12 Units

CAT.	COURSE	TITLE	UNIT
Maj	CISN 300	Network Systems Administration	3
Maj	CISN 302+	Intermediate Network Systems Administration	3
ME	CISS 310 / 315	Network Security Fundamentals	3
ME		*Major Elective List	3

See Major Elective list in semester 3 - Choose one course this semester.

+Prerequisite for CISN 302: CISN 300 with a grade of "C" or better

CISN 300 - First 8 Weeks

CISN 302 - Second 8 Weeks

Semester 2

6 Units

CAT.	COURSE	TITLE	UNIT
Maj	CISN 306+*	Advanced Network Systems Administration	3
Maj	CISN 308+**	Internetworking with TCP/IP	3

+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.

Second Year

Semester 3

12 Units

CAT.	COURSE	TITLE	UNIT
ME		*Major Elective List	2

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.

Certificate of Achievement Requirements

Certificates of Achievement require a grade of "C" or better in each major course.

Department Notes

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

CAT.	COURSE	TITLE	UNIT
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
Maj	CISN 307 +**	Windows Active Directory Services	3

See Major Elective list below - Choose one course not already completed to equal 5 units total.

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

CISN 340 - First 8 Weeks

CISN 341 - Second 8 Weeks

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

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

***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)

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)

- Department contact: Abdelaziz Kaina - KainaA@scc.losrios.edu

Important Links

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

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.

Please note that many of these courses have prerequisites. Review course requirements or consult with a counselor before enrolling.

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