



Network Administration 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: 2023-24

Total Units: 60-62

First Year

Semester 1

16 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	CISN 300	Network Systems Administration	3	
Maj	CISN 302 ⁺	Intermediate Network Systems Administration	3	
GE	INDIS 313 [*]	Freshman Seminar	3	IIIB
GE	MATH 373 ^{**}	Trigonometry for Calculus	4	IIB
GE		Humanities	3	I

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

****If you don't place directly in MATH 373 (check your e-Services account), you will need to take MATHS 71/MATH 373 combo course.**

Semester 2

15-16 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
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	ENGWR 300 [*] / 488 ^H / ESLW 340	College Composition	3-4	IIA
GE		American Institutions	3	VA

+ Prerequisite for CISN 306, 307, 308: CISN 300 with a grade of "C" or better

***If you don't place directly in ENGWR 300 (check your e-Services account), you will need to take ENGWR 80/ENGWR 300 combo course.**

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 at Sacramento City College.
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 general education requirements – Area I; Area II(a) and II(b); Area III(a) and III(b), or Area III(c); Area IV; Area V; and Area VI – with an overall 2.0 GPA.
4. Completion of all three competency requirements (reading, writing, and mathematics).
5. Students with Advanced Placement (AP) and International Baccalaureate Credit (IB) test scores should notify

Second Year

Semester 3

13.5-14.5 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	CISN 340	CISCO Networking Academy (CCNA)tm: Introduction to Networks	3.5	
ME	CISS 310 / 315	Major Elective	3	
ME		*Major Elective List	2-3	
GE		Physical Education	1	IIIA
GE		Social & Behavioral Sciences	3	VB
Elec		**Elective	1	

*See Lists in Semester 4.

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

Semester 4

15.5 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	CISN 341 +	CISCO Networking Academy (CCNA)tm:Switching, Routing, and Wireless Essentials	3.5	
ME		*Major Elective List	3	
GE		Ethnic/Multicultural Studies	3	VI
GE		Natural Sciences	3	IV
Elec		**Elective	3	

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

**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

CISC 324 Intermediate Linux Operating System

CISC 351 Introduction to Local Area Networks

CISC 355 Introduction to Data Communications

CISN 303 Network Administration - Linux Server

CISN 304 Networking Technologies

CISN 315 Advanced Network Administration - Linux Server

CISN 316 Virtualization Concepts & Technologies

CISN 320 Designing Windows Directory Services

CISN 327 Cloud Infrastructure & Services

CSIN 328 Cloud Solution Architect

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

Support courses required for English and Math per placement. **Check your e-Services account under "Academic Records" to determine your 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

CISN 346 Network Design & Projects

CISN 374 Messaging Server Administration

CISS 310 Network Security Fundamentals

CISS 315 Ethical Hacking

CISS 316 Cisco Networking Academy tm: CCNA Cybersecurity Operations

CISS 321 Scripting for Cyber Security

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

CISS 330 Implementing Internet Security & Firewalls

CISS 350 Disaster Recovery

CISS 360 Computer Forensics & Investigation

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