Computer Science 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: 37

First Year

Semester 1

9 Units

CAT.	COURSE	TITLE	UNIT
Maj	CISC 310	Introduction to Computer Information Science	3
Maj	CISP 301	Algorithm Design and Implementation	4
Maj	CISC 323	Linux Operating System	1
Maj	CISC 324+	Intermediate Linux Operating System	1

+Prerequisite for CISC 324: CISC 323 with a grade of "C" or better

Semester 2

10 Units

CAT.	COURSE	TITLE	UNIT
Maj	CISP 350+	Database Programming	3
Maj	CISP 360+	Introduction to Structured Programming	4
ME		*Major Elective	3

+Prerequisite for CISP 350 & 360: CISP 301 with a grade of "C" or better

*Major Elective - A minimum of 6 units from the following (choose 3 units this semester): CISC 351, CISC 355, (CISD 357 OR CISP 357), (CISD 358+ OR CISP 358+), (CISD 359+ OR CISP 359+), CISN 303^, CISP 401+, CISP 457+^, CISS 300, CISS 310, CISW 327, CISW 400+^, CISW 410+^

+Prerequisite for CISP 358, CISD 358, CISP 359 & CISD 359: CISP 357 or CISD 357 with a grade of "C" or better

+Prerequisite for CISP 401: CISP 360 with a grade of "C" or better

+Prerequisite for CISP 457: CISA 323 and CISC 310 with grades of "C" or better; and any one of the following: CISP 360, CISP 400, or CISP 401 with grade of "C" or better

+Prerequisite for CISW 400 & 410: CISP 301 and CISW 327 with grades of "C" or better

^CISN 303 is typically only offered during the spring semester.

^CISP 457 is typically only offered during the fall semester.

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.

Department Notes

- Students are encouraged to contact the CIS faculty for course sequence adjustments.
- Department contact: Bryan Krofchok - KrofchB@scc.losrios.edu

Certificate of Achievement Requirements

^CISW 400 is typically only offered during the fall semester.

^CISW 410 is typically only offered during the spring semester.

Second Year

Semester 3

11 Units

CAT.	COURSE	TITLE	UNIT
Maj	CISP 310+	Computer Architecture and Organization	4
ME	CISP 400+ / 401+	Object Oriented Programming with C++	4
ME		*Major Elective	3

+Prerequisite for CISP 310: CISP 301 and 360 with grades of "C" or better

+Prerequisite for CISP 400 & 401: CISP 360 with a grade of "C" or better

*Major Elective - A minimum of 6 units from the following (choose 3 units this semester not already completed): CISC 351, CISC 355, (CISD 357 OR CISP 357), (CISD 358+ OR CISP 358+), (CISD 359+ OR CISP 359+), CISN 303^, CISP 401+, CISP 457+^, CISS 300, CISS 310, CISW 327, CISW 400+^, CISW 410+^

+Prerequisite for CISP 358, CISD 358, CISP 359 & CISD 359: CISP 357 or CISD 357 with a grade of "C" or better

+Prerequisite for CISP 401: CISP 360 with a grade of "C" or better

+Prerequisite for CISP 457: CISA 323 and CISC 310 with grades of "C" or better; and any one of the following: CISP 360, CISP 400, or CISP 401 with grade of "C" or better

+Prerequisite for CISW 400 & 410: CISP 301 and CISW 327 with grades of "C" or better

^CISN 303 is typically only offered during the spring semester.

^CISP 457 is typically only offered during the fall semester.

^CISW 400 is typically only offered during the fall semester.

^CISW 410 is typically only offered during the spring semester.

Semester 4

7 Units

CAT.	COURSE	TITLE	UNIT
Maj	CISP 430+*	Data Structures	4
ME	CISP 440+ / 457+	Discrete Structures for Computer Science	3

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

Important Links

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

+Prerequisite for CISP 430: CISP 400 or 401 with a grade of "C" or better

*CISP 430 is typically only offered during the spring semester.

+Prerequisite for CISP 440: CISP 400 or 401 with a grade of "C" or better; MATH 372 with a grade of "C" or better

+Prerequisite for CISP 457: CISA 323 and CISC 310 with grades of "C" or better; and any one of the following: CISP 360, CISP 400, or CISP 401 with grade of "C" or better

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