Programming 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: 22-23

First Year

Semester 1

7-8 Units

CAT.	COURSE	TITLE	UNIT
ME	BUS 310[+] / ENGL C1000[*] / 488[H]	Business Communications	3-4
Maj	CISP 301	Algorithm Design and Implementation	4

+Prerequisite for BUS 310: BUS 100, ENGL C1000, or ESLW 340 with a grade of "C" or better

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

Semester 2

4 Units

CAT.	COURSE	TITLE	UNIT
Maj	CISP 360[+]	Introduction to Structured Programming	4

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

Second Year

Semester 3

4 Units

CAT.	COURSE	TITLE	UNIT
ME	CISP 400[+] / 401[+]	Object Oriented Programming with C++	4

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

Semester 4

4 Units

CAT.	COURSE	TITLE	UNIT
Maj	CISP 430[+*]	Data Structures	4

+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.

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 course.

Department Notes

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

Third Year

Semester 5

3 Units

CAT.	COURSE	TITLE	UNIT
Maj	CISP 457 +	Introduction to Systems Analysis and Design	3

+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

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

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Important Links

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