



# Computer Science 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:** 2025-26

**Total Units:** 63-64

## First Year

### Semester 1

15 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	CISC 310	Introduction to Computer Information Science	3	
Maj	CISP 301	Algorithm Design and Implementation	4	
GE	INDIS 313*	Freshman Seminar	3	L7B
GE	MATH 373**	Trigonometry for Calculus	4	L2
GE		Physical Education	1	L7A

**\*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 L7B, such as HCD 310-College Success.**

**\*\*If you don't place directly in MATH 373 (check your eServices 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	CISP 350 <sup>+</sup>	Database Programming	3	
Maj	CISP 360 <sup>+</sup>	Introduction to Structured Programming	4	
Maj	CISC 323	Linux Operating System	1	
Maj	CISC 324 <sup>+</sup>	Intermediate Linux Operating System	1	
GE	ENGL C1000* / ENGWR 488 <sup>H</sup> / ESLW 340	Academic Reading and Writing	3-4	L1A
GE		Arts and Humanities	3	L3

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

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

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

### 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

**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 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 general education requirements – Area L1A and L1B; Area L2; Area L3; Area L4; Area L5; Area L6; and Area L7A and L7B – with an overall 2.0 GPA.

**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.**

## Second Year

### Semester 3

17 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	CISP 310 <sup>+</sup>	Computer Architecture and Organization	4	
ME	CISP 400 <sup>+</sup> / 401 <sup>+</sup>	Major Elective	4	
ME		*Major Elective	3	
GE		Natural Sciences	3	L5
GE		Oral Communication & Critical Thinking	3	L1B

**+ 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), CISC 303, CISP 401, CISP 457, CISS 300, CISS 310, CISW 327, CISW 400, CISW 410

### Semester 4

16 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	CISP 430 <sup>+</sup>	Data Structures	4	
ME	CISP 440 <sup>+</sup> / 457 <sup>+</sup>	Major Elective	3	
ME		*Major Elective	3	
GE		Social & Behavioral Sciences	3	L4
GE		Ethnic Studies	3	L6

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

**+ 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

\*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), CISC 303, CISP 401, CISP 457, CISS 300, CISS 310, CISW 327, CISW 400, CISW 410

*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

**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: Meili Xu

XuM@scc.losrios.edu

### Important Links

[SCC General Counseling](#)  
[Computer Information Science - Computer Science](#)  
[Business & Industry Meta Majors](#)