



Data Science A.S. Degree - Local GE

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: 60-61

First Year

Semester 1

14-15 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Maj	CISP 301	Algorithm Design and Implementation	4	
Maj	CISD 357 / CISP 357	Introduction to Data Science	4	
GE	INDIS 313* / HCD 310	Life Development Skills	3	SCC Local Area L7B
GE	ENGL C1000** / ENGWR 488 ^H / ESLW 340	Academic Reading and Writing	3-4	SCC Local Area L1A

*First-time college students who would like to participate in First-Year Experience (FYE) should take INDIS 313. All other students can take HCD 310 or speak with a counselor regarding their choices.

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

Semester 2

14 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Maj	CISP 350 ⁺⁺	Database Programming	3	
GE		**Mathematical Concepts & Quantitative Reasoning	3	SCC Local Area L2
GE		Oral Communication & Critical Thinking	3	SCC Local Area L1B
GE		Physical Education	1	SCC Local Area L7A
GE		Ethnic Studies	3	SCC Local Area L6
Elec		***Elective	1	

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.**

*Students may complete CISP 350 **OR** CISA 323 (first 8-week term) and 324 (second 8-week term)

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

**Choose one of the recommended courses under your STEM placements. (Check your eServices account.) Meet with a counselor for recommended Math options.

***Electives may include any courses numbered 100-499. **Meet with a counselor to discuss potential elective course options.**

Second Year

Semester 3

16 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Maj	CISD 358 ⁺ / CISP 358 ⁺	Data Analysis	4	
GE		Humanities	3	SCC Local Area L3
GE		Natural Sciences	3	SCC Local Area L5
Elec		*Elective	3	
Elec		*Elective	3	

+ **Prerequisite for CISD 358/CISP 358:** CISD 357 or CISP 357 with a grade of "C" or better

*Electives may include any courses numbered 100-499. **Meet with a counselor to discuss potential elective course options.**

Semester 4

16 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Maj	CISD 359 ⁺ / CISP 359 ⁺	Data Modeling and Machine Learning	4	
GE		Social & Behavioral Sciences	3	SCC Local Area L4
Elec		*Elective	3	
Elec		*Elective	3	
Elec		*Elective	3	

+ **Prerequisite for CISD 359/CISP 359:** CISD 357 or CISP 357 with a grade of "C" or better

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 degree general education requirements – Area L1A and L1B; Area L2; Area L3; Area L4; Area L5; and Area L6; and Area L7A and L7B – with an overall 2.0 GPA. Students also have an option of completing the California General Education Transfer Curriculum (Cal-GETC) instead of the local general education pattern.**

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.

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.

*Electives may include any courses numbered 100-499. **Meet with a counselor to discuss potential elective course options.**

Department Notes

- Students are encouraged to contact the CIS faculty for course sequence adjustments.
- Department contact: Meili (Lily) Xu - XuM@scc.losrios.edu

Important Links

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

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