Data Science A.S. Degree - Cal-GETC 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: 2026-27

Total Units: 59-61

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	ENGL C1000* / 488H / ESLW 340	Academic Reading and Writing	3-4	Cal-GETC Area 1A
Elec	INDIS 313** / HCD 310	Elective	3	

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

+Prerequisite for ENGL 488: ESL 325 with a grade of "C" or better, or placement through the assessment process

+Prerequisite for ESLW 340: ESL 325 with a grade of "C" or better; or, for students not previously enrolled in ESL writing courses within the Los Rios district, placement through the Los Rios assessment process

**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.

Semester 2

14-15 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Maj	CISP 350*+ / CISA 323+ / 324+	Major Elective	2-3	
GE		**Mathematical Concepts & Quantitative Reasoning	3	Cal-GETC Area 2
GE		Critical Thinking and Composition	3	Cal-GETC Area 1B

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.**

CAT.	COURSE	TITLE	UNIT	GE AREA
GE		Ethnic Studies	3	Cal-GETC Area 6
GE		Arts	3	Cal-GETC Area 3A

*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

+ Prerequisite for CISA 323: CISC 300 or 310 with a grade of "C" or better

+ Prerequisite for CISA 324: CISA 323 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.

Second Year

Semester 3

16 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Maj	CISD 358+ / CISP 358+	Data Analysis	4	
GE		Humanities	3	Cal-GETC Area 3B
GE		Physical Science	3	Cal-GETC Area 5A
GE		Social and Behavioral Sciences	3	Cal-GETC Area 4
GE		Oral Communication	3	Cal-GETC Area 1C

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

Semester 4

15 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Maj	CISD 359+ / CISP 359+	Data Modeling and Machine Learning	4	
GE		*Social & Behavioral Sciences	3	Cal-GETC Area 4
GE		Biological Science	3	Cal-GETC Area 5B
GE		**Associate Lab Component	1	Cal-GETC Area 5C

2. **Completion of each required course with a grade of "C" or better for a major offered at Sacramento City College.**
3. **Completion of the Californi a General Education Transf er Curriculum (Cal-GETC). Areas 1 through 6 must be completed with a grade of "C" or better.**

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.

Department Notes

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

CAT.	COURSE	TITLE	UNIT	GE AREA
Elec		***Elective	3	
Elec		***Elective	1	

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

*Cal-GETC Area 4 requires 2 courses from different disciplines. Select a course from Cal-GETC Area 4 from a different discipline than the previously completed Cal-GETC Area 4 course.

**Cal-GETC Area 5C will not be required if a laboratory activity is included in 5A or 5B.

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

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Important Links

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