# 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:** 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** | ENGL C1000[*] / ENGWR 488[H] / 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 ENGWR 80/ENGL C1000 combo course.

**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                                         15 Units

| CAT. | COURSE | TITLE | UNIT | GE AREA |
|------|--------|-------|------|---------|
| **Maj** | CISP 350[*+] | Database Programming | 3 | |
| **GE** | | **Mathematical Concepts & Quantitative Reasoning | 3 | Cal-GETC Area 2 |
| **GE** | | Critical Thinking and Composition | 3 | Cal-GETC Area 1B |
| **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

**Choose one of the recommended courses under your STEM placements except MATH 386. <u>MATH 386 is not approved for Cal-GETC.</u> (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 |
| 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.

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 <u>California General Education Transfer Curriculum (Cal-GETC)</u>. 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

*C**heck 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.

**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

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