



Biology 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: 60-63

First Year

Semester 1

14-16 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
ME	CHEM 305 ^{**} / 309 ^{**} / 400 ^{**}	Introduction to Chemistry	5	Cal-GETC Area 5A/Cal-GETC Area 5B
GE		Arts	3	Cal-GETC Area 3A
GE		**Mathematical Concepts & Quantitative Reasoning	3-5	Cal-GETC Area 2
Elec	INDIS 313***	Freshman Seminar	3	

***Allied Health Path: CHEM 305, 309 or 400**

***General Biology & Pre-Med Path: CHEM 400**

+ Prerequisite for CHEM 305: Elementary Algebra or equivalent (Integrated Math 1) with a grade of "C-" or better or concurrently enroll in MATHS 10

+ Prerequisite for CHEM 309: Elementary Algebra or equivalent (Integrated Math 1) with a grade of "C-" or better

+ Prerequisite for CHEM 400: CHEM 300 with a grade of "C" or better completed within one year prior to enrollment in CHEM 400 or placement through the assessment process (ACS California Chemistry Diagnostic Exam) completed within one year prior to enrollment in CHEM 400 **AND** Intermediate Algebra or equivalent (Integrated Math 3) with a grade of "C-" or better

******Choose one of the recommended courses under your STEM placements (check your eServices account).

*****INDIS 313 - Freshman Seminar is specifically designed for First Time in College students. This course is an advised required elective. If you're not a First Time in College student, this course can be any elective course numbered 100-499.**

Semester 2

14-15 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
ME		^Major Elective (List A)	5	Cal-GETC Area 5B

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.

THIS MAP IS CREATED BASED ON CATALOG REQUIREMENTS. MANY OF THE MAJOR ELECTIVE REQUIREMENTS HAVE PREREQUISITES. 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 the California General Education Transfer 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.

CAT.	COURSE	TITLE	UNIT	GE AREA
GE		Humanities	3	Cal-GETC Area 3B
GE	ENGL C1000* / ENGWR 488 ^H / ESLW 340	Academic Reading & Writing	3-4	Cal-GETC Area 1A
GE		Social & Behavioral Sciences	3	Cal-GETC Area 4

^See List A in Semester 4. Choose one course this semester.

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

**Electives may include any courses numbered 100-499.

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.

Biology Path Options

Recommended course sequence by major or career interest. Please meet with a counselor or your biology professor to select the appropriate biology course sequence.

General Biology & Pre-Med Path: BIOL 402, BIOL 412, BIOL 422. **Prerequisite for BIOL 402:** CHEM 400 with a grade of "C" or better. **Prerequisite for BIOL 412 & BIOL 422:** BIOL 402 with a grade of "C" or better.

Allied Heath Path: Nursing, Dental Hygiene & Physical Therapy Assistant Path: BIOL 430, BIOL 431, BIOL 440. **Prerequisite for BIOL 430 & BIOL 440:** CHEM 305, CHEM 309 or CHEM 400 with a grade of "C" or better. **Prerequisite for BIOL 431:** BIOL 430 with a grade of "C" or better.

Licensed Vocational Nursing & Occupational Therapy Assistant Path: BIOL 100 or BIOL 430 & BIOL 431. **Prerequisite for BIOL 430:** CHEM 305 or CHEM 309, CHEM 400 with a grade of "C" or better. **Prerequisite for BIOL 431:** BIOL 430 with a grade of "C" or better.

Placement Information

Check your eServices account under "Academic Records" to determine your placements for Math and English.

Important Links

- [SCC General Counseling](#)
- [Biology](#)
- [Science, Math, & Engineering Meta Majors](#)

Second Year

Semester 3 17 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
ME		^Major Elective (List A)	5	
ME		^Major Elective (List B)	3	
GE		Ethnic Studies	3	Cal-GETC Area 6
GE		Critical Thinking and Composition	3	Cal-GETC Area 1B
GE		*Social and Behavioral Sciences	3	Cal-GETC Area 4

^See Lists in Semester 4. Choose one course from List A not already completed in a previous semester and one course from List B.

*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.

Semester 4 15 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
ME		^Major Elective (List B)	5	
Elec		*Elective	3	
Elec		*Elective	3	
Elec		*Elective	1	
GE		Oral Communication	3	Cal-GETC Area 1C

^See List B below. Choose one course from List B not already completed in a previous semester to complete a total of 8 units.

**Electives may include any courses numbered 100-499.

[^]Recommended for Allied Health Path: BIOL 430, 431 & 440

[^]Recommended General Biology & Pre-Med Path: BIOL 402, 412 & 422

List A - A minimum of 10 units from the following:

BIOL 402+ Cell & Molecular Biology (5)

BIOL 412+ Plant Biology (5)

BIOL 422+ Animal Biology (5)

BIOL 430+ Anatomy & Physiology (5)

BIOL 431+ Anatomy & Physiology (5)

+Prerequisite for BIOL 402: CHEM 400 with a grade of "C" or better

+Prerequisite for BIOL 412: BIOL 402 or equivalent course with a grade of "C" or better

+Prerequisite for BIOL 422: BIOL 402 or an equivalent college-level Cell and Molecular Biology course with a grade of "C" or better

+Prerequisite for BIOL 430: CHEM 305, 309, or 400 with a grade of "C" or better

+Prerequisite for BIOL 431: CHEM 305 or CHEM 309 or CHEM 400 and BIOL 430 or the equivalent with grades of "C" or better

List B - A minimum of 8 units from the following:

BIOL 100 Introduction to Concepts of Anatomy & Physiology (3)

BIOL 305 Natural History (4)

BIOL 308 Contemporary Biology (3)

BIOL 309[^] Contemporary Biology Lab (1)

BIOL 314 Dinosaurs & the Science of Life (3)

BIOL 315 Dinosaurs & the Science of Life Lab (1)

BIOL 320 Field Botany (3)

BIOL 326 Ethnobotany (3)

BIOL 327 Ethnobotany Lab (1)

BIOL 330 Introduction to Entomology (3)

BIOL 332 Introduction to Ornithology (4)

BIOL 342 The New Plagues: New & Ancient Infectious Disease Threatening World Health (3)

BIOL 350 Environmental Biology (3)

BIOL 360 Environmental Regulations (3)

BIOL 362+ Field Methods In Ecology (4)

BIOL 364 Restoration Ecology (2)

BIOL 370 Marine Biology (4)

BIOL 402+ Cell & Molecular Biology (5)

BIOL 412+ Plant Biology (5)

BIOL 422+ Animal Biology (5)

BIOL 430+ Anatomy & Physiology (5)

BIOL 431+ Anatomy & Physiology (5)

BIOL 434+ Pathology: The Study of Disease (3)

BIOL 440+ General Microbiology (4)

^Corequisite for BIOL 309: BIOL 308

+Prerequisite for BIOL 362: BIOL 305 (Natural History) or equivalent college-level courses (college-level ecology course with lecture and lab may substitute for BIOL 305) with a grade of "C" or better

+Prerequisite for BIOL 402: CHEM 400 with a grade of "C" or better

+Prerequisite for BIOL 412: BIOL 402 or equivalent course with a grade of "C" or better

+Prerequisite for BIOL 422: BIOL 402 or an equivalent college-level Cell and Molecular Biology course with a grade of "C" or better

+Prerequisite for BIOL 430: CHEM 305, 309, or 400 with a grade of "C" or better

+Prerequisite for BIOL 431: CHEM 305 or CHEM 309 or CHEM 400 and BIOL 430 or the equivalent with grades of "C" or better

+Prerequisite for BIOL 434: BIOL 431 with a grade of "C" or better

+Prerequisite for BIOL 440: CHEM 305 or CHEM 309 or CHEM 400 or equivalent with a grade of "C" or better

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