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: 2026-27

Total Units: 60-63

First Year

Semester 1

14-15 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
GE	ENGL C1000* / 488H+ / ESLW 340+	Academic Reading and Writing	3-4	Cal-GETC Area 1A
GE		Arts	3	Cal-GETC Area 3A
ME	CHEM 305**+ / 309**+ / 400**+	Introduction to Chemistry	5	Cal-GETC Area 5A/Cal-GETC Area 5C
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

***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

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**

***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

14-16 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
GE		Oral Communication	3	Cal-GETC Area 1C
GE		*Mathematical Concepts & Quantitative Reasoning	3-5	Cal-GETC Area 2
GE		Humanities	3	Cal-GETC Area 3B
ME		^Major Elective (List A)	5	Cal-GETC Area 5B

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

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

Second Year

Semester 3

17 Units

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

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

Semester 4

15 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
GE		*Social & Behavioral Sciences	3	Cal-GETC Area 4
ME		^Major Elective (List B)	5	
Elec		**Elective	3	
Elec		**Elective	3	
Elec		**Elective	1	

("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 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.

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. BIOL 412 and BIOL 422 can be taken in either order.

Allied Heath Path: Nursing, Dental Hygiene & Physical Therapy Assistant Path: BIOL 430, BIOL 431, BIOL 440. **Prerequisite for BIOL 430 &**

*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.

^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. **Meet with a counselor to discuss potential elective course options.

^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 (General Chemistry I) or equivalent college-level course with a grade of "C" or better

+Prerequisite for BIOL 412 and 422: BIOL 402 (Cell and Molecular Biology) or an equivalent college-level course with a grade of "C" or better

*BIOL 412 and BIOL 422 can be taken in either order.

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

+Prerequisite for BIOL 431: BIOL 430 with a grade of "C" or better

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

BIOL 302 Introduction to Concepts of Anatomy & Physiology (3)

BIOL 305 Natural History (4)

BIOL C1001 Contemporary Biology (3)

BIOL C1001L^ 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 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 302 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

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 C1001L: BIOL C1001

^Corequisite for BIOL 315: BIOL 314 or prior completion of BIOL 314 with a grade of "C" or better

^Corequisite for BIOL 327: BIOL 326 or prior completion of BIOL 326 with a grade of “C” or better

+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 (General Chemistry I) or equivalent college-level course with a grade of "C" or better

+Prerequisite for BIOL 412 and 422: BIOL 402 (Cell and Molecular Biology) or an equivalent college-level course with a grade of "C" or better

*BIOL 412 and BIOL 422 can be taken in either order.

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

+Prerequisite for BIOL 431: BIOL 430 with a grade 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

Published September 04, 2026