Biology 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: 2026-27

Total Units: 60-63

First Year

Semester 1

14-15 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
GE	ENGL C1000 * / 488 H+ / ESLW 340 +	Academic Reading and Writing	3-4	SCC Local Area L1A
GE		Arts & Humanities	3	SCC Local Area L3
ME	CHEM 305 **+ / 309 **+ / 400 **+	Introduction to Chemistry	5	SCC Local Area L5
GE	INDIS 313 *** / HCD 310	Life Development Skills	3	SCC Local Area L7B

*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

15-17 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
GE		Oral Communication & Critical Thinking	3	SCC Local Area L1B
GE		*Mathematical Concepts & Quantitative Reasoning	3-5	SCC Local Area L2
GE		Social & Behavioral Sciences	3	SCC Local Area L4
GE		Physical Education	1	SCC Local Area L7A
ME		^Major Elective (List A)	5	

*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		Ethnic Studies	3	SCC Local Area L6
ME		^Major Elective (List A)	5	
ME		^Major Elective (List B)	3	
Elec		*Elective	3	
Elec		*Elective	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.

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

Semester 4

14 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
ME		^Major Elective (List B)	5	

("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 Sacramento City College's local AA/AS degree general education requirements – Area L1A and L1B; Area L2; Area L3; Area L4; Area L5; Area L6; Area L7A and L7B – with an overall 2.0 GPA.**

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 the general education 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

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

^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)

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 Health 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 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

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