



BIOLOGY (ASSOCIATE IN SCIENCE) (01510)

This sample course map does not represent a contract or guarantee of course availability or transfer guarantee, [nor does it replace meeting with a Counselor to discuss your goals and create a custom Student Education Plan](#) designed to fit your unique individual needs.

This plan includes GE recommendations satisfying: [Intersegmental General Education Transfer Curriculum \(IGETC\)](#)
[Please see the IGETC for additional GE options.](#)

This plan assumes the student is placed into transfer level Math and English
[Southwestern College Graduation, Certificates, and Degree Requirements](#)

NOTE: Use this pathway if starting with BIOL 210 in your Year 1: Fall Semester.
INFORMATION FOR TRANSFER STUDENTS: CHEM 240 (Organic Chemistry I) is needed for most transfer programs, but students can still earn SWC's A.S. in Biology.

1ST SEMESTER			
Course	Course Title	Units	Requirement Area
BIOL 210	General Zoology	4	GE 5B, M
GE 3A	Choose from 3A List	3	GE 3A
MATH 121	Applied Calculus I	3	GE 2, M
CHEM 170	Preparation for General Chemistry	4	GE 5A/5C
HIST 100 OR ANY US 1/2	American Civilization I OR Any US 1/2	3	GE 4, US 1/2
		TOTAL UNITS	17

2ND SEMESTER			
Course	Course Title	Units	Requirement Area
ENGL 115	College Composition: Reading and Writing Analytically	4	GE
MATH 122	Applied Calculus II	3	Major
CHEM 200	General Chemistry I	5	Major
PHYS 170	College Physics I	3	Recommended Elective
PHYS 171	College Physics Laboratory I	1	Recommended Elective
		TOTAL UNITS	16

SUMMER SESSION			
Course	Course Title	Units	Requirement Area
ENGL 116	Critical Thinking and Argument	4	GE
		TOTAL UNITS	4

3RD SEMESTER			
Course	Course Title	Units	Requirement Area
BIOL 211	Introduction to Cell and Molecular Biology	4	Major
CHEM 210	General Chemistry II	4	Major for transfer
PHYS 172	College Physics II	3	Recommended Elective
PHYS 173	College Physics Laboratory II	1	Recommended Elective
HIST 101 OR ANY US 3	American Civilization II OR Any US 3	3	GE 4, US 3
		TOTAL UNITS	15

WINTER SESSION (CSU TRANSFERS ONLY)			
Course	Course Title	Units	Requirement Area
COMM 103 OR COMM 104 OR COMM 160	Oral Communication OR Public Speaking OR Argumentation and Debate	3	GE
		TOTAL UNITS	3

4TH SEMESTER			
Course	Course Title	Units	Requirement Area
BIOL 212	Biology of Plants	4	Major
PHYS 174	College Physics III	3	Recommended Elective
PHYS 175	College Physics Laboratory III	1	Recommended Elective
ANY CHOICE FROM AREA 4 - SOCIAL AND BEHAVIORAL SCIENCES (EXCEPT HIST)	Any choice from Area 4 (except History)	3	GE 4
ANY CHOICE FROM AREA 3A (ARTS) OR AREA 3B (HUMANITIES)	Any choice from Area 3A OR Area 3B	3	GE
ANY CHOICE FROM AREA 3B (HUMANITIES)	Any choice from Area 3B	3	GE
		TOTAL UNITS	17

Requirement Codes:

M: Major Requirement

GE: General Education Requirement

GE Content Areas: 1A, 1B, 1C, AREA 2, 3B, 3A, 3B OR 3A, AREA 4, 5A, 5B, 5C, AREA 6, US-1, US-2, and US-3

E: Elective

This map is based off of the 19/20 Catalog year and is subject to change each year.