

BIOLOGY, BACHELOR OF SCIENCE (BS) - CONCENTRATION IN PROFESSIONAL / PRE-DENTAL (LECOM) (4+4)

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ENGL 102	Critical Writing	3
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab	4
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
SUBJ 139	Foundations of Academic Discovery ¹	3
ESAP 101	FYRST Seminar *	1
Hours		15
Spring		
ENGL 104	Critical Reading	3
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
Creative & Aesthetic Inquiry (https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-quick-guide/)		3
Hours		14
Second Year		
Fall		
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLS 235	Civil Discourse and Democracy	
BIOL 250	Genetics with Lab	4
CHEM 201	Organic Chemistry I	3
CHEM 211	Organic Chemistry Laboratory I	1
PSYC 105	Introduction to Psychology	3
Declare a Thematic Thread ²		
Hours		14
Spring		
Humanities Inquiry		3
BIOL 325	Biometry with Lab	3
CHEM 202	Organic Chemistry II	3
CHEM 212	Organic Chemistry Laboratory II	1
MATH 225	Calculus I	4
or MATH 125	or Precalculus	
Hours		14

Third Year		
Fall		
CHEM 335 or CHEM 301	Biochemistry I or Physical Chemistry 1	3
PHYS 201 or PHYS 216	Elements of Physics I with Lab or University Physics 1 with Lab	4
BIOL 300+	Upper Level BIOL Elective	3
BIOL 300+	Upper Level BIOL Elective	3
Thematic Thread Requirement (https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-quick-guide/)		3
Hours		16

Spring		
PHYS 202 or PHYS 217	Elements of Physics II/ Lab or University Physics 2 with Lab	4
BIOL 300+	Upper Level BIOL Elective	3
BIOL 300+	Upper Level BIOL Elective	3
Thematic Thread Requirement (https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-quick-guide/)		3
Behavioral Science Course		3
Hours		16

Fourth Year		
Fall		
BIOL 300+	Upper Level BIOL Elective	3
BIOL 300+	Upper Level BIOL Elective	3
Thematic Thread Requirement (https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-quick-guide/)		3
Free Elective		3
Free Elective		3
Hours		15

Spring		
BIOL 300+	Upper Level BIOL Elective	3
BIOL 490	Independent Study	3
BIOL 492	Biology Seminar	1
Thematic Thread Requirement (https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-quick-guide/)		3
Free Elective		3
Free Elective		3
Hours		16
Total Hours**		120

¹ Course offered in multiple subjects; cannot take course in first major subject

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

³ or BIOL 300/400 level elective (except BIOL 300, BIOL 314, BIOL 315, BIOL 316, BIOL 319, BIOL 345)

⁴ or BIOL 300+:Upper Level BIOL Elective

* Students are encouraged to take ESAP 101 as a Free Elective.

** This document is meant to serve as a guide. Some planners may show more than 120 credits because faculty have created flexibility in choosing courses. However, only 120 credits are required to obtain a degree. Please consult with your academic adviser and refer to your curriculum guide prior to

registering for courses. This plan should be reviewed, and verified, by you and your academic adviser at least once each academic year.

Major Code: 6108

Concentration Code: 61LD

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