

BIOLOGY, BACHELOR OF SCIENCE (BS) - CONCENTRATION IN PRE-HEALTH PROFESSIONS / 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 *	3
ESAP 101	FYRST Seminar ¹	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-program/)		3
Hours		14
Second Year		
Fall		
BIOL 250	Genetics with Lab	4
CHEM 201	Organic Chemistry I	3
CHEM 211	Organic Chemistry Laboratory I	1
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLS 235	Civil Discourse and Democracy	
Declare a Thematic Thread ²		
Humanities Inquiry (https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/)		3
Hours		14
Spring		
Select one of the following:		3-4
CHEM 202	Organic Chemistry II	
or CHEM 212	or Organic Chemistry Laboratory II	
BIOL 300+	Upper Level BIOL Elective	
BIOL 325	Biostatistics and Experimental Design with Lab	3
Social Science Inquiry (https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/)		3

Thematic Thread Requirement (https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/)		3
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Hours		15-16
Third Year		
Fall		
Select one of the following:		3
CHEM 335	Biochemistry I	
or CHEM 301	or Physical Chemistry 1	
BIOL 300+	Upper Level BIOL Elective	
BIOL 209	Human Anatomy and Physiology I	4
BIOL 300+	Upper Level BIOL Elective	3
Thematic Thread Requirement (https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/)		3
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Hours		16
Spring		
BIOL 309	Human Anatomy and Physiology II	4
BIOL 330	Microbiology/Lab	3
MATH 225	Calculus I	4
or MATH 125	or Precalculus	
Elective with DEI attribute		3
Hours		14
Fourth Year		
Fall		
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	or University Physics 1 with Lab	
BIOL 401	Ecology with Lab	3
BIOL 300+	Upper Level BIOL Elective	3
Elective		4
Hours		14
Spring		
PHYS 202	Elements of Physics II/ Lab	4
or PHYS 217	or University Physics 2 with Lab	
BIOL 335	Cell Biology	3
BIOL 490	Independent Study	3
Elective		4
Elective		4
Hours		18
Total Hours**		120-121

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

¹ Students are encouraged to take ESAP 101 as a Free Elective.

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

** 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/Concentration: 6108/PHLT

2nd Major: 61LD

Revised: 06.02.2023