PHYSICS, BACHELOR OF SCIENCE (BS) - CONCENTRATION IN **COMPUTATIONAL BIOPHYSICS**

Recommended Four-Year Plan

Course First Year	Title	Hours
Fall		
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
MATH 225	Calculus I	4
PHYS 211	General Physics I with Lab	4
SUBJ 139	Foundations of Academic Discovery ¹	3
	Hours	15
Spring		
ENGL 104	Critical Reading	3
PHYS 213	General Physics III/ Lab	4
MATH 230	Calculus II	4
Rock Studies 2 Requ	uirement (https://catalog.sru.edu/	3
undergraduate/rock	-studies/rock-studies-program/)	
	Hours	14
Second Year		
Fall		
CHEM 107	General Chemistry I	4
& CHEM 111	and General Chemistry I Lab	
CPSC 146	Programming Principles	3
MATH 231	Calculus III	4
PHYS 212	General Physics II with Lab	3
Rock Studies 2 Requ	uirement (https://catalog.sru.edu/	3
	-studies/rock-studies-program/)	
Declare a Thematic	Thread ²	
	Hours	17
Spring		
CHEM 108	General Chemistry II	4
& CHEM 112	and General Chemistry II Lab	
CPSC 246	Advanced Programming Principles	3
MATH 240	Linear Algebra and Differential Equations	3
MATH 301	Differential Equations I	3
Select one of the fol	<u> </u>	3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLS 235	Civil Discourse and Democracy	
	Hours	16
Third Year		
Fall		
MATH 240	Linear Algebra and Differential Equations	3
PHYS 312	Modern Physics 1	3
PHYS 314	Statics	3

	Total Hours**	120-121
	Hours	13-14
Technical Elective		2-3
	irement (https://catalog.sru.edu/ studies/rock-studies-program/)	3
PHYS 480	Quantum	3
PHYS 410	Electricity and Magnetism	3
PHYS 381 or PHYS 382	Advanced Physics Laboratory or Optics Laboratory	2
Spring	Hours	15
Physics Elective		3
Technical Elective		3
undergraduate/rock-	irement (https://catalog.sru.edu/ studies/rock-studies-program/)	3
·	irement (https://catalog.sru.edu/ studies/rock-studies-program/)	3
PHYS 371	Physical Optics	3
Fourth Year Fall		
= .1.7	Hours	15
Physics Elective		3
Technical Elective		3
Technical Elective		3
PHYS 412	Modern Physics 2	1
PHYS 381 or PHYS 382	Advanced Physics Laboratory or Optics Laboratory	2
PHYS 375	Thermal Physics	3
Spring	Hours	15
	irement (https://catalog.sru.edu/ studies/rock-studies-program/)	3
PHYS 331	Mathematical Methods of Physics	3

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

** 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: 6164 Concentration Code: COBP Revised: 12-2019

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

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