

B.S. in Physics – Biophysics Option Sample Program (Minimum 124 cr. required)

First Semester - Freshman Year

PHYS P201 General Physics I	5
CHEM C105 Principles of Chemistry I	3
CHEM C125 Experimental Chemistry I	2
MATH 165 Analytic Geometry and Calculus I	4
SCI I120 Windows on Science	1
Total	15

Second Semester

PHYS P202 General Physics II	5
CHEM C106 Principles of Chemistry II	3
CHEM C126 Experimental Chemistry II	2
MATH 166 Analytic Geometry and Calculus II	4
MATH 171 Multidimensional Mathematics	3
Total	17

Third Semester - Sophomore Year

BIOL K101 Concepts of Biology I	5
CHEM C341 Organic Chemistry I	3
CHEM C343 Organic Chemistry Laboratory I	2
MATH 261 Multivariate Calculus	4
ENG W131 Elementary Composition I	3
Total	17

Fourth Semester

PHYS 300 Mathematical Physics	3
BIOL K103 Concepts of Biology II	5
CHEM C342 Organic Chemistry II	3
CHEM C344 Organic Chemistry Laboratory II	2
MATH 266 Ordinary Differential Equations	3
Total	16

Fifth Semester - Junior Year

PHYS 310 Intermediate Mechanics	4
BIOL K324 Cell Biology	3
BIOL K325 Cell Biology Laboratory	2
CSCI Course	3-4
HIST H114 History of Western Civilization II	3
Total	15-16

Sixth Semester

PHYS 342 Modern Physics	3
PHYS 353 Electronics Laboratory	2
CHEM C360 Physical Chemistry	3
Second composition course	3
One course from List H, S, or C	3
Elective	2
Total	16

Seventh Semester - Senior Year

PHYS 442 Quantum Mechanics	3
PHYS 490 Capstone Experience	3
One course from remaining two Lists H, S, or C	3
General education elective	3
Elective	3
Total	15

Eighth Semester

COMM R110 Fundamentals of Speech Communication	3
One course from remaining List H, S, or C	3
Electives	8
CAND 991 Candidate for Graduation	0
Total	14