

Advising Course Plan - Physics Major - Biophysics Concentration

First Year		
Fall		
PHYS 141P	University Physics I	1
MATH 130 or 141Q	Calculus I with Review Part I Calculus I with Analytic Geometry	1
CHEM 141P	General Chemistry I	1
FSEM 100	First Year Seminar	1
Term Units		4
Spring		
PHYS 142P	University Physics II	1
MATH 131Q or 142Q	Calculus I with Review Part 2 Calculus II with Analytic Geometry	1
CHEM 142P	General Chemistry II	1
Writing Enhanced course requirement		1
Term Units		4
Summer		
If not previously completed, MATH 142Q should be taken in the summer term		
Term Units		0
Second Year		
Fall		
PHYS 243	Modern Physics	1
PHYS 380	Physics Colloquium	0.0
CHEM 201	Organic Chemistry I	1
General Education requirement		1
General Education requirement		1
Term Units		4
Spring		
PHYS 312	Laboratory Techniques	1
PHYS 380	Physics Colloquium	0.0
CHEM 301	Organic Chemistry II	1
General Education requirement		1
General Education requirement		1
Term Units		4
Third Year		
Fall		
PHYS 352 or 356 ¹	Optics Electronics	1
PHYS 380	Physics Colloquium	0.0
BIOL 141P	Introductory Biology: Biochemistry, Cell Biology and Molecular Genetics	1
CHEM 204	Biochemistry I (for Pre-Health Program)	1
Junior Seminar		1
Term Units		4
Spring		
PHYS 251 or 362 ¹	Biophysics (if available (offered alternate years)) Thermophysics	1
PHYS 380	Physics Colloquium	0.0
PHYS 497	Senior Project Proposal	0.5
BIOL 142P	Introductory Biology: Animal and Plant Physiology (for Pre-Health Program)	1
CHEM 304	Biochemistry II (for Pre-Health Program)	1
Term Units		3.5

Fourth Year		
Fall		
PHYS 352 or 356 ¹	Optics Electronics	1
PHYS 380	Physics Colloquium	0.0
PHYS 498	Senior Project	1
General Education requirement or Elective		1
General Education requirement or Elective		1
Term Units		4
Spring		
PHYS 251 or 362 ¹	Biophysics (if available (offered alternate years)) Thermophysics	1
PHYS 380	Physics Colloquium	0.0
PHYS 499	Senior Seminar	0.5
CSCI 261	Data Science I	1
General Education requirement or Elective		1
General Education requirement or Elective		1
Term Units		4.5
Total Unit: 32		

¹ If selected for major requirement, or General Education requirement, or Elective