

# Advising Course Plan - Physics Major - Biophysics Concentration

First Year		
<b>Fall</b>		
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
<b>Term Units</b>		<b>4</b>
<b>Spring</b>		
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
<b>Term Units</b>		<b>4</b>
<b>Summer</b>		
If not previously completed, MATH 142Q should be taken in the summer term		
<b>Term Units</b>		<b>0</b>
<b>Second Year</b>		
<b>Fall</b>		
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
<b>Term Units</b>		<b>4</b>
<b>Spring</b>		
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
<b>Term Units</b>		<b>4</b>
<b>Third Year</b>		
<b>Fall</b>		
PHYS 352 or 356 <sup>1</sup>	Optics Electronics	1
PHYS 380	Physics Colloquium	0.0
BIOL 141P	Introductory Biology I: Biochemistry, Cell Biology and Molecular Genetics	1
CHEM 204	Biochemistry I (for Pre-Health Program)	1
Junior Seminar		1
<b>Term Units</b>		<b>4</b>
<b>Spring</b>		
PHYS 251 or 362 <sup>1</sup>	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 II: Animal and Plant Physiology (for Pre-Health Program)	1
CHEM 304	Biochemistry II (for Pre-Health Program)	1
<b>Term Units</b>		<b>3.5</b>

Fourth Year		
<b>Fall</b>		
PHYS 352 or 356 <sup>1</sup>	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
<b>Term Units</b>		<b>4</b>
<b>Spring</b>		
PHYS 251 or 362 <sup>1</sup>	Biophysics (if available (offered alternate years)) Thermophysics	1
PHYS 380	Physics Colloquium	0.0
PHYS 499	Senior Seminar	0.5
CSCI 261	Introduction to Scientific Computing	1
General Education requirement or Elective		1
General Education requirement or Elective		1
<b>Term Units</b>		<b>4.5</b>
<b>Total Unit: 32</b>		

<sup>1</sup> If selected for major requirement, or General Education requirement, or Elective