

# B.S. in Biophysics

## Sample Program Outline/Advising Guide

Fall		Spring	
<b>FIRST YEAR</b>			
BIOL 117: General Biology: Cells, Gen, Evol	3	BIOL 119: General Biology: Div, Phys, Eco	3
BIOL 118: N/General Biology I Lab	1	BIOL 120: General Biology II Lab	1
PHYS 123: Analytical Physics I (NLEC)	3	PHYS 125: Analytical Physics II	3
PHYS 124: Analytical Physics I Lab (NLAB)	1	PHYS 126: Analytical Physics II Laboratory	1
MATH 221: Calculus I (REAS)	4	MATH 222: Calculus II	4
INTD 105: Writing Seminar: (subtitle)	3	World Language 101 (LANG)	4
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>16</b>
<b>SECOND YEAR</b>			
PHYS 223: Analytical Physics III	3	PHYS 224: Analytical Physics IV	3
PHYS 226: Optics & Modern Phys Lab	1	PHYS 228: Math Methods in Physics	2
MATH 223: Calculus III	4	MATH 326: Differential Equations	3
CHEM 116: Chemistry I	3	CHEM 118: Chemistry II	3
CHEM 119: Chemistry I Lab	1	CHEM 129: Chemistry II Lab	1
World Language 102 (LANG)	4	Global Society (CGC)	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>
<b>THIRD YEAR</b>			
CHEM 211: Organic Chemistry I	3	BIOL 335: Foundations of Biochemistry	3
CHEM 216: Organic Chemistry Lab	2	CHEM 213: Organic Chemistry II	3
PHYS 362: Intermediate Laboratory	3	Programming or Data Analysis course	3
BIOL 222: Genetics	3	Global Society (SST)	3
Global Society (WCV)	4	Global Society (DPP)	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>
<b>FOURTH YEAR</b>			
BIPH 375: Biophysics	3	BIOL/PHYS 300-level elective	3
PHYS 335 or 344 or 352	3	CHEM 324: Principles of Physical Chemistry	3
Global Society (CAI)	3	Elective	4
Integrative and Applied Learning	3	Elective	3
Elective	3		
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>13</b>

Total Semester Hours = **120**

Gen Ed Subtotal = **35**

### Special Instructions:

Not available to students majoring in Neuroscience

Students in Biophysics will satisfy the Department Writing Requirement of either the Department of Biology or Physics, as determined by the program director.

### General Education Requirements

#### 1. Communication and Scientific Literacy (CSL)

- INTD 105, Lang, Quant, and Nat Sci with Lab

#### 2. Participation in Global Society (PGS)

- DPP, WCIV, CGC, CAI, and SST

### Rules:

At least 4 unique courses for PGS

No more than one course used twice in PGS

Only one course from your major may be used for PGS

Courses used to satisfy CSL cannot double dip for PGS