

# B.S. in Physics - Biophysics Option

Click on the course number to view course title and description.

Code	Title	Semester Hours
<b>BS Physics Biophysics Option Degree Plan (120 hours)</b>		
<b>Core Requirements (47 hours)</b>		
First Year Seminar		3
FYE 1301	First Year Seminar	
Freshmen Composition I		3
EN 1311	Rhetoric and Composition	
or EN 1313	Rhetoric and Composition for International Students	
Literature		3
Any EN 23XX literature course		
History		3
Any 1000, 2000, or 3000-level HS course		
Social Science		6
Select two from the following: BA 1310, CJ 1301, CPH 1301, EC 2301, EC 2303, ED 2330, HU 3300, HU 3303, PO 1311, PO 1312, PO 1314, PS 1301, PS 2310, PS 2353, PS 2355, PS 2363, PS 2337, SC 1311, SC 2321, SC 2371, 3 hrs. of Communication Studies (CM 1341, CM 2333, CM 2334)		
Mathematics		4
MT 2412	Calculus I	
Natural or Physical Sciences		4
CH 1401	General Chemistry I	
Fine Arts		3
Select any 3 hrs. of the following: Art (AR), Drama (DM), Music (MU) or MU 1300		
Foreign Language and International Engagement		6
This requirement is satisfied through one of four ways: (1) One 3-hour course in any language at the 3000 level or above, with a grade of B or better; (2) Two courses (1311 and 1312) in a language not previously studied; (3) Two courses (2311 and 2312) in a language previously studied at the high school or college level; (4) Qualifying scores on an AP or CLEP exam, or both the ACTFL OPI and WPT exams		
Philosophy - Self		3
PL 1301	Intro to Philosophy	
Philosophy - Ethics		3
PL 2301	Foundations of Ethics	
Theology - God		3
TH 1301	Introduction to Theology	
Intermediate Theology		3
Any TH 33xx course		
<b>Physics Major Courses (66 hours)</b>		
BL 1401	General Biology for Majors I	4
BL 1402	General Biology for Majors II	4
BL 2233	Cell & Molecular Methods	2
BL 2330	Genetic Principles	3
BL 2332	Cell Biology	3
CH 1402	General Chemistry II	4
CH 2411	Organic Chemistry I	4
CH 2412	Organic Chemistry II	4
MT 2413	Calculus II	4
MT 2317	Differential Equations	3
MT 3324	Linear Algebra	3
PY 1404	University Physics I	4
PY 2404	University Physics II	4

PY 3101	Modern Physics Lab	1
PY 3110	Computational Physics Lab	1
PY 3301	Modern Physics	3
PY 3303	Mathematical Methods in Physics	3
PY 3304	Thermodynamics	3
PY 3308	Quantum Mechanics	3
PY 3350	Biophysics	3
PY 4309	Electromagnetic Theory	3
<b>Electives (7 hours)</b>		<b>7</b>
An elective can be any course taken from any discipline.		
<b>Total Semester Hours</b>		<b>120</b>

*This is a recommended degree plan subject to changes. Please meet with your adviser on a regular basis.*

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### First Year

Fall	Semester Spring Hours	Semester Hours
FYE 1301	3 MT 2413	4
EN 1311	3 PY 2404	4
MT 2412	4 BL 1402	4
PY 1404	4 Literature	3
BL 1401	4	
<b>18</b>		<b>15</b>

### Second Year

Fall	Semester Spring Hours	Semester Hours
PL 1301	3 MT 3323	3
MT 2317	3 PY 3304	3
PY 3301	3 CH 1402	4
PY 3101	1 BL 2233	2
PY 3303	3 TH 1301	3
CH 1401	4	
<b>17</b>		<b>15</b>

### Third Year

Fall	Semester Spring Hours	Semester Hours
PL 2301	3 Foreign Language	3
PY 3308	3 Social Science	3
CH 2411	4 BL 2332	3
BL 2330	3 CH 2412	4
Foreign Language	3	
<b>16</b>		<b>13</b>

### Fourth Year

Fall	Semester Spring Hours	Semester Hours
Fine Arts	3 PY 3350	3
Free Elective	3 Social Science	3
Advanced Theology	3 Free Elective	3
PY 4309	3 History	3

PY 3110	1	
	<b>13</b>	<b>12</b>
<b>Total Semester Hours 119</b>		