

**Department of Physics**  
**Bachelor of Science in Physics (Biological Physics)**  
**Major Code: PHYS**  
**Concentration Code:**

**Effective 2019-2020**

**Curriculum Guide**

<b>Course</b>	<b>CR</b>	<b>Course</b>	<b>CR</b>
<b>Freshman Year: First Semester</b>		<b>Freshman Year: Second Semester</b>	
FRST 101	1	CHEM 107	3
CHEM 106	3	CHEM 117	1
CHEM 116	1	MATH 132	4
MATH 131	4	ENGL 101	3
ENGL 100	3	BIOL 100	4
Afr. Amer. History & Culture (AA) <sup>1</sup>	3	PHYS 100	1
<b>Semester Total</b>	<b>15</b>	<b>Semester Total</b>	<b>16</b>
<b>Sophomore Year: First Semester</b>		<b>Sophomore Year: Second Semester</b>	
PHYS 241	3	PHYS 242	3
PHYS 251	1	PHYS 252	1
MATH 231	4	BIOL 102	3
BMEN 220	3	BMEN 3253	3
GEEN 161	2	Social/Behavioral Sciences (SBS) <sup>1</sup>	3
Humanities / Fine Arts (HFA) <sup>1</sup>	3	<b>Semester Total</b>	<b>13</b>
<b>Semester Total</b>	<b>16</b>		
<b>Junior Year: First Semester</b>		<b>Junior Year: Second Semester</b>	
BIOL 221	4	PHYS 375	2
PHYS 433	3	PHYS 345	3
PHYS 3xx <sup>2</sup>	3	PHYS 305	3
ENGL 331	3	PHYS 306	3
Concentration Elective <sup>4</sup>	3	Global Awareness (GL) <sup>1</sup>	3
<b>Semester Total</b>	<b>16</b>	<b>Semester Total</b>	<b>14</b>
<b>Senior Year: First Semester</b>		<b>Senior Year: Second Semester</b>	
PHYS 494 <sup>5</sup>	3	Concentration Elective <sup>4</sup>	3
PHYS 430	3	Concentration Elective <sup>4</sup>	3
PHYS 475	2	Disciplinary Elective <sup>2</sup>	3
PHYS 492	1	PHYS 3xx <sup>2</sup>	3
Concentration Elective <sup>4</sup>	3	Free Elective <sup>6</sup>	3
Concentration Elective <sup>4</sup>	3	<b>Semester Total</b>	<b>15</b>
<b>Semester Total</b>	<b>15</b>		

**Total Credit Hours: 120**

<sup>1</sup>Courses may only satisfy ONE general education requirement GL, AA, SBS, or HFA (e.g. LIBS 202 can satisfy HFA or AA, but not both).

<sup>2</sup>Physics electives (6 credit hours) numbered 300 or above.

<sup>3</sup>PHYS 494 – capstone course.

<sup>4</sup>Concentration Electives – (15 credit hours) Students under guidance of a faculty adviser can choose courses from physics, biology, chemistry, or bioengineering.

<sup>5</sup>Free electives (3 credit hours)

**MAJOR PROGRAM REQUIREMENTS**

*Students must earn a C- or better in PHYS and MATH courses.*