

**Department of Chemical, Biological, and Bioengineering**  
**Bachelor of Science in Bioengineering (Innovation)**  
**Major Code: BIEN**

**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>	
GEEN 111	1	ENGL 101	3
ENGL 100	3	BMEN 101	4
CHEM 106	3	PHYS 241	3
CHEM 116	1	BMEN 225	1
MATH 131	4	MATH 132	4
GEEN 100	2	BMEN 132	1
<b>Semester Total</b>	<b>14</b>	<b>Semester Total</b>	<b>16</b>
<b>Sophomore Year: First Semester</b>		<b>Sophomore Year: Second Semester</b>	
Social and Behavioral Science	3	Humanities and Fine Arts	3
BMEN 220	3	MATH 341	3
MATH 231	4	BMEN 218	3
BMEN 231	1	CHEM 221	3
MEEN 104	2	BMEN 223	1
CHEM 107	3	GEEN 161	2
CHEM 117	1	<b>Semester Total</b>	<b>15</b>
<b>Semester Total</b>	<b>17</b>		
<b>Junior Year: First Semester</b>		<b>Junior Year: Second Semester</b>	
BMEN 310	3	BMEN 320	3
CHEN 300	3	BMEN 325	2
MEEN 230	3	ECEN 340	3
BMEN 350	3	BMEN 311	3
PHYS 242	3	BMEN 321	3
BMEN 252	1	BMEN 322	3
<b>Semester Total</b>	<b>16</b>	<b>Semester Total</b>	<b>17</b>
<b>Senior Year: First Semester</b>		<b>Senior Year: Second Semester</b>	
Global Awareness	3	African, American Culture and History	3
BMEN 480	3	BMEN 481	3
BMEN 411	3	Advance Engineering Elective	3
CHEN 312	4	Advance Science or Engineering Elective	3
<b>Semester Total</b>	<b>13</b>	<b>Semester Total</b>	<b>12</b>

**Total Credit Hours: 120**

**MAJOR PROGRAM REQUIREMENTS**

*Students must earn a C- grade or better in the following courses:*

BMEN 101	MATH 131
BMEN 220	MATH 132
PHYS 241	MATH 231