

Name \_\_\_\_\_

**BS BME General Degree Requirements**

Course Number and Name	hrs.	Semester	Grade	Course Number and Name	hrs.	Semester	Grade
<b>BIOM 1710</b> Intro Biomed Engr <sup>1</sup>	3			EECE 2201/2283 Circuit Analysis I/Instrumentation	3		
CHEM 1110 Chemistry I	3			EECE 2203/2281 Circuit Analysis Lab/Instrumentation Lab	1		
CHEM 1111 Chemistry Lab	1			BIOL 3730 Vertebrate Physiology	4		
<b>ENGL 1010 English Composition <sup>2</sup></b>	3			MECH 2332 Dynamics	3		
<b>MATH 1910 Calculus I</b>	4			Engr Elec <sup>6</sup>	3		
<b>First Semester Total Hours</b>	<b>14</b>			ECON 2110 Macroeconomics <sup>5</sup>	3		
				<b>Fifth Semester Total Hours</b>	<b>17</b>		
CHEM 1120 Chemistry II	3						
CHEM 1121 Chemistry II Lab	1			MECH 3320 Engineering Materials	3		
<b>BIOM 1720</b> Intro Biomed Engr Tools	3			Soc Sci 1 <sup>4</sup>	3		
ENGL 1020 English Composition & Analysis <sup>2</sup>	3			BIOM 3710 Physiological System/Modeling	3		
MATH 1920 Calculus II	4			Engr Elec <sup>6</sup>	3		
PHYS 2111 Physics I Lab	1			Tech Elec <sup>7</sup>	3		
<b>PHYS 2110 Physics for Science &amp; Engineering I</b>	3			ENGL 3603 Engineering Communication	3		
<b>Second Semester Total Hours</b>	<b>18</b>			<b>Sixth Semester Total Hours</b>	<b>18</b>		
BIOL 1110 Biology I	3			BIOM 4760 Biomed Engr Design Principles (PHYS Upper Div)	3		
BIOL 1111 Biology I Lab	1			BIOM Elec	3		
BIOM 2720 Experimental Design Analysis	3			Tech Elec <sup>7</sup>	4		
MATH 2110 Calculus III	4			Human 1 <sup>3</sup>	3		
PHYS 2121 Physics II Lab	1			Engr Elec <sup>6</sup>	3		
PHYS 2120 Physics for Science & Engineering II	3			<b>Seventh Semester Total Hours</b>	<b>16</b>		
<b>Third Semester Total Hours</b>	<b>15</b>						
				Human 2 <sup>3</sup>	3		
BIOL 1120 Biology II	3			BIOM 4780 Senior Project	3		
BIOL 1121 Biology II Lab	1			Engr Elec: <sup>6</sup>	3		
CIVL 2131 Statics	3			BIOM Elec	4		
BIOM 2710 Intro Medical Measurement	4			<b>Eighth Semester Total Hours</b>	<b>13</b>		
MATH 3120 Differential Equations	3			<b>Grand Total Hours</b>	<b>128</b>		
ENGL 2201/2202 Literary Heritage/African-American <sup>2</sup>	3						
	17			<b>See reverse side (pg 2) for notes.</b>			

## “BS BME General Degree Requirements

Total Hours = 128

Total of 128 hours required for degree

### Graduation & General Education Requirements

1. “C-“ or better in all engineering, math, physics, chemistry, and biology courses used towards graduation. **Students must complete each highlighted course with a “C” or better before being admitted to the Biomedical Engineering major.**
2. 9 hours of English with a “C” or better in ENGL 1010 and ENGL 1020
3. 6 hours of Humanities *from approved list* -- [http://www.memphis.edu/bme/docs/advising\\_guide.pdf](http://www.memphis.edu/bme/docs/advising_guide.pdf)
4. 3 hours of Social Science *from approved list* --  
[http://www.memphis.edu/bme/docs/advising\\_guide.pdf](http://www.memphis.edu/bme/docs/advising_guide.pdf)
5. Satisfies 3 hours of Social Science *requirement*
6. Must be an upper division (3XXX/4XXX) Engineering course
7. May be any upper division (3XXX/4XXX) Engineering, Science, or Math course
8. American History waived with High School American History
9. The *Catalog* is valid for seven (7) years
10. For electives pertaining to the following focus areas; ***Biomaterials/Tissue Engineering, Bioelectrical Devices and Systems, Biomechanics, Computational Bioengineering, Pre-medical professional studies***, see the advising guide--  
[http://www.memphis.edu/bme/docs/advising\\_guide.pdf](http://www.memphis.edu/bme/docs/advising_guide.pdf)

Note: Additional requirements as specified in the *Catalog*