

College of Engineering and Science  
**BIOENGINEERING Department**  
**Biomaterials – Major Code 405 COURSE COMPLETION PLAN**  
**2014-2015 (128 total credits)**

STUDENT NAME: Last _____ First _____ Middle Initial _____					
STUDENT ID NUMBER: _____			STUDENT USER ID _____		
CLEMSON ENTRANCE DATE: _____		HONORS COLLEGE _____		DEPT'L? _____	
Advisor _____					
<b>**TERM: YY&amp;&amp; where YY = Year and &amp;&amp; = Semester Code: 08-Fall; 05-First Summer; 06-Second Summer; 01-Spring</b>					
<b>FRESHMAN YEAR</b>					
<b>Fall Semester</b>	<b>Cr</b>	<b>Term to be completed</b>	<b>Spring Semester</b>	<b>Cr</b>	<b>Term to be completed</b>
CH 1010 Chem I	4		CH 1020 Chem II	4	
ENGL 1030 Accel. Comp.	3		PHYS 1220 Phys with Calc. I	3	
ENGR 1050 Eng.Dis.&SkillsI	1		ENGR 1070 Progr &Prob SolvgI	1	
ENGR 1060 Eng.Dis.&SkillsII	1		ENGR 1080 Progr &Prob SolvgII	1	
			ENGR 1090 Progr &Prob SolvgAppls I		
MATH 1060 Calc. I	4		MATH 1080 Calc. II	4	
Arts& Humanities/ SS <sup>1</sup>	3		Arts&Humanities/ SS <sup>1</sup>	3	
			Biology requirement <sup>2</sup>	1	
<b>Total</b>	<b>16</b>		<b>Total</b>	<b>18</b>	
<b>SOPHOMORE YEAR</b>					
<b>Fall Semester</b>	<b>Cr</b>	<b>Term to be completed</b>	<b>Spring Semester</b>	<b>Cr</b>	<b>Term to be completed</b>
BIOE 2010 Intro. to BME	3		C E 2010 Statics	3	
MSE 2100 Intro. Matl. Sci.	3		ENGR 2080 EgrGraph/Mach Des2		
CH 2010 Surv Org Chem. <sup>3</sup>	3		ECE 2070 Basic Elec Engr	2	
CH 2020 Surv OrgChemLab I			ECE 2080 EE lab	1	
MATH 2060 Calc. III	4		MATH 2080 Diff. Eq.	4	
PHYS 2210 Physics II	3		BIOE 3020 Biomats	3	
<b>Total</b>	<b>17</b>		<b>Total</b>	<b>15</b>	
<b>JUNIOR YEAR</b>					
<b>Fall Semester</b>	<b>Cr</b>	<b>Term to be completed</b>	<b>Spring Semester</b>	<b>Cr</b>	<b>Term to be completed</b>
BIOL 3150 Funct. H. Anat.	4		BCHM 3050 Essentl. Ele. Bioch.	3	
MSE 3260 Thermo of Matls	3		BIOE 3210 Biofluid Mechs	3	
MSE 3270 Transp. Phenom.	3		MATH 3020 Statistics	3	
MSE 3190 Matls. Process.	3		BIOE Tech. Req. <sup>4</sup>	3	
BIOE 3200 Biomechanics	3		BIOE 3700 Bioinstr. & Imag.	3	
<b>Total</b>	<b>16</b>		<b>Total</b>	<b>15</b>	
<b>SENIOR YEAR</b>					
<b>Fall Semester</b>	<b>Cr</b>	<b>Term to be completed</b>	<b>Spring Semester</b>	<b>Cr</b>	<b>Term to be completed</b>
MSE 4150 Intro. Polym. Sci	3		BIOE 4030 Appld Bioe Design	3	
BIOL 4610 Cell Biology	3		BIOE 4480 Tissue Engr.	3	
BIOE 4010 Bioe Des Theor	3		Arts& Humanities/ SS <sup>1</sup>	3	
			BIOE 4000 Seminar	1	
Arts&Humanities/ SS <sup>1</sup>	3		BIOE Tech. Req. <sup>4</sup>	3	
BIOE Tech. Req. <sup>4</sup>	3		BIOE Tech. Req. <sup>4</sup>	3	
<b>Total</b>	<b>15</b>		<b>Total</b>	<b>16</b>	