

College of Engineering and Science **Bioengineering Department**  
**BIOENGINEERING – Bioelectrical – Major Code 405 COURSE COMPLETION PLAN -**  
**Curriculum Year 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 Gen Chem I	4		CH 1020 Gen. Chem. II	4	
ENGL 1030 Accel. Comp.	3		Arts & Humanities/ SS <sup>1</sup>	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		PHYS 1220 Phys with Calc. I	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	
ECE 2010 Logic&Com.Dev.	2		MSE 2100 Intro. to Matl. Sci.	3	
ECE 2090 L&CD Lab	1		ENGR 2080 Engr Graph&Des	2	
ECE 2020 Elec Circuits I	3		ECE 2120 EE lab II	1	
ECE 2110 EE lab. I	1		ECE 2620 Elec. Circuits II	3	
MATH 2060 Calc Sev Var	4		MATH 2080 Diff. Equations.	4	
PHYS 2210 Phys w/Calc II	3				
<b>Total</b>	<b>17</b>		<b>Total</b>	<b>16</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>
CH 2010 Surv Organ CH. <sup>3</sup>	3		BCHM 3050 Essentl. Ele. Bioch.	3	
CH2020 Surv OrganCHlab	1				
ECE 3200 Electronics I	3		BIOE 3700 Bioinstr. & Imaging	3	
ECE 3110 EE lab. III	1		Technical Req. <sup>4</sup>	3	
ECE 3300 Signals...	3		ECE 3800 Electromagnetics	3	
			BIOE 3020 Biomatl.	3	
BIOL 3150 Funct. H. Anat.	4				
<b>Total</b>	<b>15</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>
Arts & Humanities/ SS <sup>1</sup>	3		BIO E 4030 Appl Bioe Design	3	
Technical Req. <sup>4</sup>	3		BIO E 4480 Tissue Engr.	3	
BIOL 4610 Cell Biology	3		Technical Req. <sup>4</sup>	3	
BIOE 4010 Bioe Des Theor	3		Technical Req. <sup>4</sup>	3	
BIOE 3200 Biomechanics	3		Arts & Humanities/ SS <sup>1</sup>	3	
			BIOE 4000 Seminar	1	
<b>Total</b>	<b>15</b>		<b>Total</b>	<b>16</b>	