

RECOMMENDED COURSE SEQUENCE			MAJOR: Biomedical Engineering			TOTAL: 125			
<b>FRESHMAN YEAR</b>									
<b>FIRST SEMESTER</b>				<b>SECOND SEMESTER</b>					
CHEM 111	Chemistry I	3		ENGL 101	Basic Composition I	3			
CHEM 113	Chemistry I Lab	1		MATH 211	Calculus II	4			
MATH 112	Calculus I	4		PHYS 161	General Physics I	3			
BMEN 150	Modern Engineering Design	3		PHYS 163	General Physics I Lab	1			
BIOL 111	Principles of Biology I	3		CHEM 112	Chemistry II	3			
BIOL 113	Principles of Biology I Lab	1		CHEM 114	Chemistry II Lab	1			
ENGE 100	First year Orientation with Engineering	1							
<b>TOTAL</b>		16		<b>TOTAL</b>			15		
<b>SOPHOMORE YEAR</b>									
<b>FIRST SEMESTER</b>				<b>SECOND SEMESTER</b>					
MATH 241	Differential Equations	3		BMEN 245	Bio-Thermodynamics	3			
PHYS 262	Physics II	3		BMEN 265	Biomaterials	3			
PHYS 264	Physics II Lab	1		BMEN 242	Fluid Mechanics of Bio-systems	3			
BIOL 222	Genetics	3		MATH 212	Calculus III	4			
BIOL 223	Genetics Lab	1		ENGL 203	Fundamentals of Contemporary Speech	3			
ENGE 260	Statics	3						BI	
ENGL 102	Basic Composition II	3							
<b>TOTAL</b>		17		<b>TOTAL</b>			16		
<b>JUNIOR YEAR</b>									
<b>FIRST SEMESTER</b>				<b>SECOND SEMESTER</b>					
ENGE 370	Computational Methods in Engineering	3			BMEN Elective	3			
BMEN 380	Bio-Instrumentation	3			BMEN Elective	3			
BMEN 383	Bio-Instrumentation Lab	1		ENGL 305	Technical Writing	3			
BMEN 364	Human Physiology for Engineers	3		BMEN 346	Transport Phenomena	3			
BMEN 365	Cell Biology for Engineers	3		BMEN 384	Biomedical Engineering Lab	1			
BMEN 362	Biomechanics	3			General Education	3			
<b>TOTAL</b>		16		<b>TOTAL</b>			16		
<b>SENIOR YEAR</b>									
<b>FIRST SEMESTER</b>				<b>SECOND SEMESTER</b>					
	BMEN Elective	3			BMEN Elective	3			
ENGE 475	Engineering Seminars	1			BMEN Elective	3			
BMEN 476	Senior Design Project I	2		BMEN 477	Senior Design Project II	2			
	General Education	6							
ENGE 320	Statistics & Probability for Engineers	3			General Education	6			
<b>TOTAL</b>		15		<b>TOTAL</b>			14		