

## Biomedical Concentration Guideline

### FIRST YEAR

<u>FALL</u>		<u>SPRING</u>	
CHEM 105 General Chemistry I	4	MATH 112 Calculus II	4
MATH 111 Calculus I	4	PHYS 211 General Physics I	4
ENGR 102 Intro to Engineering	2	ENGR 101 Engineering Graphics	2
IDFY 101 First Year Seminar	3	ENGR 262 Circuit Analysis	4
General Education	3	IDCR 151 Created & Called for Community	3
	<hr style="width: 50%; margin: 0 auto;"/> 16	ENGR 201 Group Orientation*	3
			<hr style="width: 50%; margin: 0 auto;"/> 17

### SECOND YEAR

<u>FALL</u>		<u>SPRING</u>	
MATH 211 Calculus III	4	MATH 308 Differential Equations	3
MATH 261 or BIOL 160	3-4	MATH 261 or BIOL 161	3
PHYS 212 General Physics II	4	ENGR 201 Group Orientation	1
ENGR 231 Engineering Statics	3	ENGR 232 Engineering Dynamics	3
General Education	3	ENGR 254 Materials Engineering	4
	<hr style="width: 50%; margin: 0 auto;"/> 17-18	General Education	3
			<hr style="width: 50%; margin: 0 auto;"/> 17

### THIRD YEAR

<u>FALL</u>		<u>SPRING</u>	
ENGR 288 Project I	1	ENGR 290 Engineering Economics	2
ENGR 301 Seminar I	1	ENGR 302 Seminar II	1
ENGR 333 Mechanics of Materials	3	ENGR 372 Fluid Mechanics	4
ENGR 371 Thermodynamics	3	ENGR 388 Project II	1
STAT 291 Statistics for Math Sciences I	3	General Education	9
BIOL 385 Physiology	4		<hr style="width: 50%; margin: 0 auto;"/> 17
PHED 101 Introduction to Wellness	2		
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### FOURTH YEAR

<u>FALL</u>		<u>SPRING</u>	
ENGR 366 Control Systems	4	ENGR 410 BME Design	3
ENGR 375 Bio-Instrumen. & Measurement	3	ENGR 489 Project IV	2
ENGR 488 Project III	2	Physical Fitness	1
General Education	6	General Education	9
	<hr style="width: 50%; margin: 0 auto;"/> 15		<hr style="width: 50%; margin: 0 auto;"/> 15

Total Credits: 131

\* Requires department approval.