

**BIOMEDICAL ENGINEERING PROGRAM CHART**

	FRESHMAN/SOPHOMORE	JUNIOR	SENIOR
<b>COURSE RECOMMENDATIONS</b>	<p><b>Mathematics (6 courses)</b>                      MA 1021 (Calculus I)      MA 1024 (Calculus IV)                      MA 1022 (Calculus II)      MA 2051 (Differential Equations)                      MA 1023 (Calculus III)      MA 2611 (Statistics)</p> <p><b>Biology (2 courses)</b>                      BB 2550 (Cell Biology)      BB 3102 (Physiology: Transport and Maintenance)</p> <p><b>Chemistry (2 courses)</b>                      CH 1010 (Molecularity)      CH 1020 (Forces and Bonding)</p> <p><b>Physics (2 courses)</b>                      PH 1110 (Physics I)      PH 1120 (Physics II)</p> <p><b>Supplemental Science (2 courses)</b>                      Pick 2 from BB, CH, or PH                      (See suggested courses from specialization areas listed below)</p> <p><b>Biomedical Engineering (select 3 courses)</b>                      BME 1001 (Intro. to Bio. Med. Eng.)                      BME 2204 (Bioelectric Foundations)                      BME 2504 (Foundations in Biomechanics)                      BME 2604 (Foundations in Biol. Transport)</p> <p><b>H&amp;A Requirement (2 Units)</b></p> <p><b>Social Science</b></p> <p><b>Physical Education</b></p>	<p><b>IQP</b></p> <p><b>Biomedical Engineering (2 courses)</b>                      BME 3300 (BME Design)</p>	<p><b>MQP</b></p>
	<p><b>Social Science</b></p> <p><b>Free Electives</b></p> <p><b>Physical Education</b></p> <p>From the biomedical engineering specialization areas listed below, select nine (9) courses from BME or other engineering disciplines (four of these courses must be at the 3000-level or above, and must include two BME courses at the 4000-level or above).</p>		
<b>Note: The total minimum number of BME courses is eight (8)</b>			
<b>DEGREE REQUIREMENTS</b>	H&A Sufficiency (2 units)		
		IQP (1 unit)	
	Math/Science (4 units)		
	Supplemental Science (2/3 Unit)		
			MQP (1 unit)
		Biomedical and other Engineering Topics (13/3 Units)	
		Living Systems Lab (1/3 Unit)	
		Social Science (2/3 Units)	
		Free Electives (2/3 Unit)	
	Physical Education (1/3 Units)		