

BIOMEDICAL ENGINEERING PROGRAM CHART

	FRESHMAN/SOPHOMORE	JUNIOR	SENIOR
COURSE RECOMMENDATIONS	<p>Mathematics (6 courses) 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>Biology (2 courses) BB 2550 (Cell Biology) BB 3102 (Physiology: Transport and Maintenance)</p> <p>Chemistry (2 courses) CH 1010 (Molecularity) CH 1020 (Forces and Bonding)</p> <p>Physics (2 courses) PH 1110 (Physics I) PH 1120 (Physics II)</p> <p>Supplemental Science (2 courses) Pick 2 from BB, CH, or PH (See suggested courses from specialization areas listed below)</p> <p>BioMed. Eng. (select 3 courses) BME 1001 (Intro. to Bio. Med. Eng.) BME 2204 (Bioelectric Foundations) BME 2504 (Foundations in Biomechanics) BME 2604 (Foundations in Biol. Transport)</p> <p>H&A Sufficiency (2 Units) Social Science Physical Education</p>	<p>IQP</p> <p>BioMed. Eng. (2 courses) BME 3300 (BME Design)</p>	<p>MQP</p>
	<p>Social Science</p> <p>Free Electives</p> <p>Physical Education</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>		
	Note: The total minimum number of BME courses is eight (8)		
DEGREE REQUIREMENTS	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)		