

## B.S. in BIOMEDICAL ENGINEERING General Curriculum

Suggested 2 Year Academic Flowchart for Transfer Students

Please note: This flowchart is one example of how students can graduate in 2 years. Many times transfer students need longer than this. We encourage students to this use as a tool in creating their own unique quarter by quarter graduation plan.

		YEAR 1			YEAR 2		
This Transfer Student Flowchart assumes equivalents for the courses below have been transferred to Cal Poly. Anything not transferred in needs to be added to this flowchart, which may result iin an additional quarter/s. Check your DPR to verify credit:		Fall	Winter	Spring	Fall	Winter	Spring
		Introduction to the Biomedical Engineering Major	Introduction to Biomedical Engineering Analysis	Engineering Physiology	Bioelectronics & Instrumentation	Biomedical Engineering Design I	Biomedical Engineering Design II: Senior Project
□ MATH 141	☐ GE AREA A1	BMED 101 (1)	BMED 102 (1) (BMED 101; MATH	BMED 460 (4) (BMED 310, BIO 231 or 232; or graduate	BMED 440 (4) (BMED 310 or EE 201)	BMED 455 (4) <sup>5</sup> (BMED 410)	(BMED 456 (4) <sup>5</sup>
□ MATH 142	☐ GE AREA A2		141)	standing)	(BMED 310 01 EE 201)	(BMED 410)	(BMED 433)
□ MATH 143	☐ GE AREA C1	Introduction to		Principles of		General Curriculum	Biomedical
□ MATH 241	☐ GE AREA C2	Biomedical Engineering	Biomechanics	Biomaterials  Design	Contemporary Issues in BMED	Approved Technical Elective	Engineering Transport
□ MATH 244	☐ GE AREA C3	Design  BMED 212 (3)	BMED 410 (4)	BMED 420 (4)	BMED 450 (4)*	(300/400 level)	BMED 425 (4)
□ PHYS 141 □ PHYS 132	☐ GE AREA D1 ☐ GE AREA D2	(MATH 143)	(CE 204 or 208; ME 212; BMED 310†)	(CE 204 or 208; MATE 210; BMED 310†)	(Sr Standing)	(4) <sup>4</sup>	(ME 302, ME 341)
□ PHYS 132	☐ GE AREA D3	Diamadian		General Curriculum	General Curriculum	General Curriculum	General Curriculum
□ CHEM 124	□ GE AREA E	Biomedical Engineering Measurement	Biomedical Modeling and	Approved	Approved Technical	Approved	Approved Technical
□ CHEM 125		and Analysis	Simulation	Support Elective	Elective (300/400 level)	Support Elective	Elective (300/400 level)
□ EE 201		BMED 310 (4) (EE 201; CPE/CSC 101,	BMED 430 (2)	(4) <sup>3</sup>	(4) <sup>4</sup>	(4) <sup>3</sup>	(4) <sup>4</sup>
□ MATE 210		CSC 231, 232, or 234)	(BMED 310)				
□ ME 211		Statistical		General Curriculum  Mechanics of		GE C4 (4)**	
□ ME 212		Methods for Engineers	Thermodynamics I	Materials II CE 207 (2) <sup>2</sup>	Fluid Mechanics I	(combine with	Any GE or
□ CSC 231		STAT 312 (4)	ME 302 (3)	(CE 204) <b>Or</b>	ME 341 (3)	USCP requirement if still needed)	Support Course Not Completed
□ ENGL 149 (A3)		(MATH 142)	(ME 212 and PHYS 132)	Electronics EE 321 (3)*2	(MATH 242 or 244; ME 212)		
□ BIO 161 (B2)		[B6]					
□ BIO 231 or BIO 232 □ CE 204			General Curriculum				
□ CE 204 □ ME 228¹		Any GE or Support Course	Approved Support Elective				
— PIL 220		Not Completed	(4) <sup>3</sup>		Graduation Writing Requirement GWR*		
					(Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)		
18	# 18 18	12+	14	14-15	15	16	12+

## Notes:

## MOST GENERAL EDUCATION COURSES CAN BE TAKEN IN ANY ORDER AS LONG AS PREREQUISITES ARE MET

\* Refer to current catalog for prerequisites.

USCP requirement can be satisfied by some (but not all) courses within GE categories: C3, C4, D1, D3, or D4.

† Course can be taken previously or concurrently.

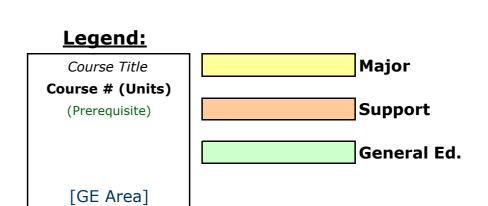
<sup>1</sup>ME 228 only required for the General Curriculum and the Mechanical Design Concentration.

<sup>2</sup>CE 207 or EE 321 is required for the General Curriculum. CE 207 is required for the Mechanical Design Concentration.

<sup>3</sup>Refer to current catalog for course selection. Support electives must total 12 units.

<sup>4</sup>Refer to current catalog for course selection. Technical electives must total 12 units.

<sup>5</sup> ENGR 459, ENGR 460, and BMED 400 (8 units) or ENGR 463 464, 465, and BMED 400 (8) may substitute for BMED 455 and BMED 456 (8).



<sup>\*\*</sup>Refer to online catalog for GE course selection, United States Cultural Pluralism (USCP) and Graduation Writing Requirement (GWR).