

BIOMEDICAL ENGINEERING

2026-2028 Semester Catalog
THIS IS AN UNOFFICIAL EXAMPLE

Fall 2026 Transfer Flowchart

2-Year Semester

TOTAL SEMESTER UNITS REQUIRED : 130-131

Catalog Notes & Suggestions
 Below is an example of a pathway for a transfer student who is **on the Semester Catalog**.

NOTE ABOUT TRANSFER CREDIT

Below is a list of courses that you may have transfer credit for. Anything not transferred, needs to be added to your graduation plan, which may result in additional terms.

POTENTIAL CAL POLY EQUIVALENT TRANSFER CREDIT				YEAR ONE 2026-2027	YEAR TWO 2027-2028		
				FALL	SPRING	FALL	SPRING
Intro to Electrical Design in Biomedical Engineering BMED 2310 (2) <i>Co-req: MATH 1262; PHYS 1143; and BMED 2311</i>				Intro to Biomedical Engineering BMED 1101 (1)		Senior Project: Design I BMED 4465 (2) <i>Senior Standing and BMED 3410</i>	
Life: Molecules and Cells BIO 1151 (4) <i>[GE 5B]</i>				Intro to Mechanical Design in Biomedical Engineering BMED 2212 (3)		Senior Project: Design II BMED 4466 (2) <i>BMED 4465</i>	
Fundamentals of Chemical Structure and Properties CHEM 1120 (4) <i>[GE 5A & 5C]</i>		Fundamentals of Chemical Reactivity CHEM 1122 (4) <i>*</i>		Principles and Applications of Biomaterials BMED 2420 (4) <i>ENGR 2211; BMED 2212; and CHEM 1120</i>		Biomedical Engineering Transport BMED 3425 (4) <i>ENGR 2212 and ME 3341</i>	
Calculus I MATH 1261 (4) <i>[GE 2]</i>				Intro Electrical Design in BMED Lab BMED 2311 (1) <i>Co-req: MATH 1262 and PHYS 1143 Rec: CHEM 1120</i>		Medical Physiology for Engineers BMED 4460 (3) <i>BIO 2231 or BIO2232</i>	
Calculus II MATH 1262 (4) <i>MATH 1261 with C- or better</i>		Calculus III MATH 2263 (3) <i>MATH 1262 or MATH 1263</i>		Biomechanics BMED 3410 (3) <i>ENGR 2211 and ENGR 2212</i>		Support Elective (3) <i>*</i>	
Linear Analysis MATH 2341 (4) <i>One of the following: MATH 1262, MATH 1263, or DATA/MATH 1265</i>		Engineering Statics ME 2210 (2) <i>MATH 1262 and PHYS 1141 ME 2210 + ME 2204 = ENGR 2211</i>		Biomedical Engineering Prof. Dev. BMED 3102 (1) <i>Junior standing</i>		Support Elective (3) <i>*</i>	
General Physics I PHYS 1141 (4) <i>Co-req: MATH 1261</i>		General Physics II PHYS 1143 (4) <i>PHYS 1141 Co-req: MATH 1262</i>		Biomedical Modeling and Simulation BMED 3430 (2) <i>MATH 2341</i>		Human Anatomy and Physiology BIO 2231 or 2232 (4) <i>*</i>	
Written Communication GE 1A (3) <i>*</i>				Critical Thinking GE 1B (3) <i>*</i>		Technical Elective (3) <i>*</i>	
Oral Communication GE 1C (3) <i>*</i>		Arts GE 3A (3) <i>*</i>		If credit in ME 2210, take: ME 2204 (2) <i>[ME 2210 + ME 2204 = ENGR 2211] -OR- If no credit in ME 2210, take: ENGR 2211 (4)</i>		Engineering Statistics STAT 3210 (3) <i>[GE UD 2/5]</i>	
Humanities: Literature, Philosophy, and Languages other than English GE 3B (3) <i>*</i>		American Institutions GE 4A (3) <i>Area 4 courses must come from at least two different prefixes *</i>		Introduction to Engineering Dynamics ENGR 2212 (2) <i>ME 2210 or ENGR 2211</i>		Fluid Mechanics ME 3341 (3) <i>ENGR 2212; MATH 2263; and MATH 2341</i>	
Social and Behavioral Science GE 4B (3) <i>Area 4 courses must come from at least two different prefixes *</i>		Ethnic Studies GE 6 (3) <i>*</i>		Upper-Division Area 3: Arts & Humanities GE UD 3 (3) <i>*</i>		Upper-Division Area 4: Social & Behavioral Sciences GE UD 4 (3) <i>Area 4 courses must come from at least two different prefixes *</i>	
<p><i>Anything not transferred, needs to be added to your plan on the right, which may result in additional terms.</i></p> <p>UNITS</p>				15-17 SEM.		17 SEM.	
				17 SEM.		18 SEM.	

Please Note: These flowcharts are an example and not a template of your individualized plan. You will need to consult the Catalog and Degree Progress Report for detailed information about what you need to graduate. Engineering Student Services is available for assistance in this process.

*Refer to current catalog for course requirements

Course Color Key

MAJOR	GE
SUPPORT	CONCENTRATION

Additional Requirements

Click the links below to learn more about how to complete these requirements before graduation.

[U.S. CULTURAL PLURISM \(USCP\)](#)

[GRADUATION WRITING REQ. \(GWR\)](#)