

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 use this as a tool in creating their own unique quarter by quarter graduation plan.
Updated 5/9/2020

<p>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 in an additional quarter/s. Check your DPR to verify credit:</p> <ul style="list-style-type: none"> ▫ MATH 141 ▫ GE AREA A1 ▫ MATH 142 ▫ GE AREA A2 ▫ MATH 143 ▫ GE AREA C1 ▫ MATH 241 ▫ GE AREA C2 ▫ MATH 244 ▫ GE AREA LOWER-DIVISION C ELECTIVE ▫ PHYS 141 ▫ GE AREA D1 ▫ PHYS 132 ▫ GE AREA D2 ▫ PHYS 133 ▫ GE AREA D ELECTIVE ▫ CHEM 124 ▫ GE AREA E ▫ BIO 161 (B2) ▫ BIO 231 or BIO 232 ▫ ENGL 149 (A3) ▫ ME 211 ▫ ME 212 ▫ CSC 231 ▫ EE 201 ▫ MATE 210 ▫ CE 204 ▫ ME 228¹ 		<p>YEAR 1</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; width: 33.33%;">Fall</th><th style="text-align: center; width: 33.33%;">Winter</th><th style="text-align: center; width: 33.33%;">Spring</th></tr> </thead> <tbody> <tr> <td style="text-align: center;"> <i>Introduction to the Biomedical Engineering Major</i> BMED 101 (1) </td><td style="text-align: center;"> <i>Introduction to Biomedical Engineering Analysis</i> BMED 102 (1) <small>(BMED 101; MATH 141)</small> </td><td style="text-align: center;"> <i>Engineering Physiology</i> BMED 460 (4) <small>(BMED 310, BIO 231 or 232; or graduate standing)</small> </td></tr> <tr> <td style="text-align: center;"> <i>Introduction to Biomedical Engineering Design</i> BMED 212 (3) <small>(MATH 143)</small> </td><td style="text-align: center;"> <i>Biomechanics</i> BMED 410 (4) <small>(CE 204 or 208; ME 212; BMED 310†)</small> </td><td style="text-align: center;"> <i>Principles of Biomaterials Design</i> BMED 420 (4) <small>(CE 204 or 208; MATE 210; BMED 310†)</small> </td></tr> <tr> <td style="text-align: center;"> <i>Biomedical Engineering Measurement and Analysis</i> BMED 310 (4) <small>(EE 201; CPE/CSC 101; CSC 231, 232, or 234)</small> </td><td style="text-align: center;"> <i>Biomedical Modeling and Simulation</i> BMED 430 (2) <small>(BMED 310)</small> </td><td style="text-align: center;"> <i>General Curriculum Approved Support Elective</i> (4)*³ </td><td style="text-align: center;"> <i>General Curriculum Approved Technical Elective (300/400 level)</i> (4)*⁴ </td></tr> <tr> <td style="text-align: center;"> <i>Statistical Methods for Engineers</i> STAT 312 (4) <small>(MATH 142) [B6]</small> </td><td style="text-align: center;"> <i>Thermodynamics I</i> ME 302 (3) <small>(ME 212 and PHYS 132)</small> </td><td style="text-align: center;"> <i>General Curriculum Mechanics of Materials II</i> CE 207 (2)² <small>(CE 204) or EE 321 (3)*²</small> </td><td style="text-align: center;"> <i>General Curriculum Approved Technical Elective (300/400 level)</i> (4)*⁴ </td><td colspan="2" style="text-align: center; background-color: #e07070;"> Graduation Writing Requirement GWR* <small>(Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)</small> </td></tr> </tbody> </table>							Fall	Winter	Spring	<i>Introduction to the Biomedical Engineering Major</i> BMED 101 (1)	<i>Introduction to Biomedical Engineering Analysis</i> BMED 102 (1) <small>(BMED 101; MATH 141)</small>	<i>Engineering Physiology</i> BMED 460 (4) <small>(BMED 310, BIO 231 or 232; or graduate standing)</small>	<i>Introduction to Biomedical Engineering Design</i> BMED 212 (3) <small>(MATH 143)</small>	<i>Biomechanics</i> BMED 410 (4) <small>(CE 204 or 208; ME 212; BMED 310†)</small>	<i>Principles of Biomaterials Design</i> BMED 420 (4) <small>(CE 204 or 208; MATE 210; BMED 310†)</small>	<i>Biomedical Engineering Measurement and Analysis</i> BMED 310 (4) <small>(EE 201; CPE/CSC 101; CSC 231, 232, or 234)</small>	<i>Biomedical Modeling and Simulation</i> BMED 430 (2) <small>(BMED 310)</small>	<i>General Curriculum Approved Support Elective</i> (4)*³	<i>General Curriculum Approved Technical Elective (300/400 level)</i> (4)*⁴	<i>Statistical Methods for Engineers</i> STAT 312 (4) <small>(MATH 142) [B6]</small>	<i>Thermodynamics I</i> ME 302 (3) <small>(ME 212 and PHYS 132)</small>	<i>General Curriculum Mechanics of Materials II</i> CE 207 (2)² <small>(CE 204) or EE 321 (3)*²</small>	<i>General Curriculum Approved Technical Elective (300/400 level)</i> (4)*⁴	Graduation Writing Requirement GWR* <small>(Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)</small>	
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Notes:

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

* Refer to current catalog for prerequisites.

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

USCP requirement can be satisfied by some (but not all) courses within GE categories: C1, Upper-Division C, D1, D2, D Elective and E.

† Course can be taken previously or concurrently.

¹ME 228 only required for the General Curriculum and the Mechanical Design Concentration.

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

³Refer to current catalog for course selection. Support electives must total 12 units.

⁴Refer to current catalog for course selection. Technical electives must total 12 units.

⁵ENGR 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).

Legend:

<i>Course Title</i> <i>Course # (Units)</i> <small>(Prerequisite)</small>		Major
		Support
		General Ed.

[GE Area]