

Name:

EMPL ID:

B.S. in MATERIALS ENGINEERING
Suggested 2-Year Academic Flowchart for Transfer Students

2020-2021 Catalog
Unofficial

DATE UPDATED:

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 as a tool in creating their own unique quarter by quarter graduation plan.

			YEAR 1			YEAR 2			
			Fall	Winter	Spring	Fall	Winter	Spring	
<p><i>Introduction to Materials Engineering Design I</i> MATE 110 (1) ***</p>	<p><i>Introduction to Materials Engineering Design II</i> MATE 120 (1) (MATE 110) ***</p>	<p>*MATE 130 taken Spring of Year 1*</p>	<p><i>Materials Laboratory II</i> MATE 225 (1) (MATE 215. Concur: MATE 232)</p>	<p><i>Approved Elective/ Technical Breadth Elective</i> (4)²</p>	<p><i>Introduction to Materials Engineering Design III</i> MATE 130 (1)[^] (MATE 120)</p>	<p><i>Senior Project I</i> MATE 482 (1) (Pr. Standing & MATE major)</p>	<p><i>Senior Project II</i> MATE 483 (2) (MATE 482)</p>	<p><i>Senior Project III</i> MATE 484 (2) (MATE 483)</p>	
<p>***Talk to Department Chair about appropriate course substitution</p>			<p><i>Materials, Ethics, and Society</i> MATE 232 (4) (MATE 210)</p>	<p><i>Materials Laboratory III</i> MATE 235 (1) (MATE 225)</p>	<p><i>Noncrystalline Material Systems</i> MATE 310 (4) (MATE 210 & 340)</p>	<p><i>Kinetics of Materials & Process Design</i> MATE 370 (4) (MATE 280 or 380)</p>	<p><i>Materials Selection Life Cycle</i> MATE 320 (4) (MATE 310)</p>	<p>Technical Elective (4)²</p>	
<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>			<p><i>Electronic Materials Systems</i> MATE 340 (4) (MATE 210 and PHYS 133)</p>	<p><i>Introduction to Materials Thermodynamics</i> MATE 280 (4) (CHEM 125, PHYS 133, MATH 143, MATE 210 & 215)</p>	<p><i>Structural Materials Systems</i> MATE 350 (4) (MATE 210, CE 204+)</p>	<p><i>Composite Materials Systems</i> MATE 480 (4) (MATE 350)</p>	<p>Approved Elective/ Technical Breadth Elective (4)²</p>	<p>Technical Elective (4)²</p>	
<input type="checkbox"/> MATH 141 <input type="checkbox"/> MATH 142 <input type="checkbox"/> MATH 143 <input type="checkbox"/> MATH 241 <input type="checkbox"/> MATH 244 <input type="checkbox"/> PHYS 141 <input type="checkbox"/> PHYS 132 <input type="checkbox"/> PHYS 133 <input type="checkbox"/> CHEM 124 <input type="checkbox"/> CHEM 125 <input type="checkbox"/> MATE 210 <input type="checkbox"/> MATE 215	<input type="checkbox"/> EE 201 <input type="checkbox"/> EE 251 <input type="checkbox"/> CSC 231 <input type="checkbox"/> ME 211 <input type="checkbox"/> CE 204 <input type="checkbox"/> ENGL 149 <input type="checkbox"/> GE AREA A1 <input type="checkbox"/> GE AREA A2 <input type="checkbox"/> GE AREA B2 <input type="checkbox"/> GE AREA C1 <input type="checkbox"/> GE AREA C2 <input type="checkbox"/> GE AREA LOWER-DIVISION C ELECTIVE	<input type="checkbox"/> GE AREA D1 <input type="checkbox"/> GE AREA D2 <input type="checkbox"/> GE AREA D ELECTIVE <input type="checkbox"/> GE AREA E	<p><i>Introduction to Design & Manufacturing</i> IME 144 (4) (Recom: IME 140 or ME 129)</p>			<p><i>Metallurgical Materials Systems</i> MATE 360 (4) (MATE 235)</p>	<p>Technical Elective (4)²</p>	<p>any remaining support or GE not transferred</p>	<p>Upper-Division C (4)** (Combine with USCP if have not taken yet)</p>
			<p>Choose One Series⁴: STAT 312 (4) & IME 315 (3) (MATH 142) (MATH 142) OR STAT 321 (4) & IME 315 (3) (MATH 142) (MATH 142) OR STAT 321 (4) & IME 326 (4) (MATH 142) (STAT 321 w/ min C-)</p>			<p>any remaining support or GE not transferred</p>	<p>Select from the following: ME 350 (4)* OR MATE 325 (1)^{1*} & MATE 326 (1)^{1*} & MATE 327 (1)^{1*}</p>		
			<p>Graduation Writing Requirement GWR* (Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)</p>						
			13+	16-17	13+	13	14	14	

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, or E.
 † Course can be taken previously or concurrently.
 † If support requirements are met with IME 315 and MATE 325, 326, 327 (for a total of 6 units), at least one unit of upper division should be selected in Approved Electives/Breadth, to meet the required 60 units of upper division.

Legend:

<i>Course Title</i> Course # (Units)		Major
(Prerequisite)		Support
[GE Area]		General Ed.