

Name:

EMPL ID:

**B.S. in GENERAL ENGINEERING**  
**(Individual Course of Study Concentration)**  
Suggested 2-Year Academic Flowchart for Transfer Students

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 this 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 Engineering</i></p> <p><b>ENGR 110 (2)</b></p> <p>Transfer students should not take ENGR 110. Two units of an engineering intro course from a previous institution may substitute.</p> <p><b>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:</b></p> <p><input type="checkbox"/> MATH 141      <input type="checkbox"/> GE AREA A1</p> <p><input type="checkbox"/> MATH 142      <input type="checkbox"/> GE AREA A2</p> <p><input type="checkbox"/> MATH 143      <input type="checkbox"/> GE AREA C1</p> <p><input type="checkbox"/> MATH 241      <input type="checkbox"/> GE AREA C2</p> <p><input type="checkbox"/> MATH 244      <input type="checkbox"/> GE AREA LOWER-DIVISION C ELECTIVE</p> <p><input type="checkbox"/> PHYS 141      <input type="checkbox"/> GE AREA D1</p> <p><input type="checkbox"/> PHYS 132      <input type="checkbox"/> GE AREA D2</p> <p><input type="checkbox"/> PHYS 133      <input type="checkbox"/> GE AREA D Elective</p> <p><input type="checkbox"/> CHEM 124      <input type="checkbox"/> GE AREA E</p> <p><input type="checkbox"/> CHEM 125</p> <p><input type="checkbox"/> EE 201 &amp; 251</p> <p><input type="checkbox"/> MATE 210 &amp; 215</p> <p><input type="checkbox"/> ME 211</p> <p><input type="checkbox"/> CPE 101<sup>1</sup></p> <p><input type="checkbox"/> ENGL 149 (A3)</p> <p><input type="checkbox"/> BIO 213 &amp; BMED 213 (B2)</p>	<p><i>Intro. To Design &amp; Manufacturing</i></p> <p><b>IME 144 (4)</b> <small>(Recom: IME 140 or ME 129)</small></p> <p><i>Engineering Dynamics</i></p> <p><b>ME 212 (3)</b> <small>(MATH 241; ME 211 or ARCE 211)</small></p> <p><b>Math or Stat Elective</b> <b>MATH 344, STAT 312, or STAT 350</b> <b>(4) *</b> <small>[B6]</small></p> <p><b>Upper-Division C (4)**</b> <small>(combine with USCP requirement if still needed)</small></p>	<p><i>Thermodynamics I</i></p> <p><b>ME 302 (3)</b> <small>(PHYS 132; ME 212 or CHEM 128)</small></p> <p><i>Mechanics of Materials I</i></p> <p><b>CE 204 (3)</b> <small>(ME 211)</small></p> <p><b>Physical Science Elective<sup>3</sup></b> <b>(4)</b></p> <p>Individual Course of Study <b>(4)***</b></p>	<p><i>Fluid Mechanics I</i></p> <p><b>ME 341 (3)</b> <small>(MATH 242 or 244; ME 212)</small></p> <p><b>Choose one:</b> <i>Engin. Economics</i> <b>IME 314 (3)</b> <small>(MATH 241)</small> OR <i>Financial Decisions...</i> <b>IME 315 (3)</b> <small>(MATH 142)</small></p> <p>Individual Course of Study <b>(2)***</b></p> <p>Individual Course of Study <b>(4)***</b></p> <p><b>Physical Science Elective<sup>3</sup></b> <b>(4)</b></p>	<p><i>Interdisciplinary Sr Design Project I</i></p> <p><b>ENGR 459 (2)<sup>4</sup></b> <small>(Sr standing)</small></p> <p><i>Heat Transfer</i> <b>ME 350 (4)<sup>2</sup></b> <small>(CPE/CSC 101 or CSC 231 or 234; MATE 360 &amp; 380, or ME 236 &amp; 302 &amp; ME 341)</small></p> <p>Individual Course of Study <b>(4)***</b></p> <p>Individual Course of Study <b>(4)***</b></p> <p>Individual Course of Study <b>(3)***</b></p> <p>Any GE or Support Course Not Completed</p>	<p><i>Interdisciplinary Sr Design Project II</i></p> <p><b>ENGR 460 (2)<sup>4</sup></b> <small>(ENGR 459)</small></p> <p>Individual Course of Study <b>(4)***</b></p> <p>Individual Course of Study <b>(4)***</b></p> <p>Individual Course of Study <b>(4)***</b></p>	<p><i>Interdisciplinary Sr Design Project III</i></p> <p><b>ENGR 461 (2)<sup>4</sup></b> <small>(ENGR 460)</small></p> <p>Individual Course of Study <b>(4)***</b></p> <p>Individual Course of Study <b>(3)***</b></p> <p>Individual Course of Study <b>(4)***</b></p> <p>Any GE or Support Course Not Completed</p>
	15	14	16+	13+	14	13+

**Notes:**

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

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.

<sup>1</sup>Students with an approved individualized course of study may substitute CSC/CPE 101 with CSC 231 ( 2 units) plus an additional 2 units of other advisor approved coursework.

<sup>2</sup> ME 350 or MATE 325, 326, 327, and 1 additional unit of an upper-division Technical Elective. If ME 236 is not taken, then contact ME Department for permission to enroll in ME 350.

<sup>3</sup>Refer to current catalog for course selection. Physical Science Electives total 8 units.

<sup>4</sup> ENGR 459, 460, 461 (6 units) or 6 units of Senior Project in appropriate engineering discipline.

\* Refer to current catalog for prerequisites.

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

\*\*\* Concentration form required and should be submitted prior to junior year. Concentration courses should total at least 40 units (a minimum of 33 units need to be 300-400 level).

**Legend:**

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