

Updated 5/31/2017

	YEAR 1			YEAR 2			YEAR 3		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
<p>This Transfer Student Flowchart assumes equivalents for the Admissions requirements, listed below, have been transferred to Cal Poly. Anything not transferred in needs to be added to this flowchart. Check your DPR to verify credit:</p> <p>MATH 141, 142, 143, 241 &amp; 244; PHYS 141, 132 &amp; 133; CHEM 124 &amp; 125; GE AREAS A1, &amp; A2</p>	<p>Introduction to Civil Engineering</p> <p><b>CE 111 (1)</b></p>	<p>Mechanics of Materials I</p> <p><b>CE 204 (3)</b> (ME 211)</p>	<p>Programming Applications in Engineering</p> <p><b>CE 251 (2)</b> (CE 113, CE 204, MATH 244)</p>				<p>Civil Engineering Professional Practice</p> <p><b>CE 465 (1)</b> (Sr Standing and Instr. Consent)</p>	<p>Senior Design Project I and II</p> <p><b>CE 466 (3)<sup>3</sup></b> (CE 321, 322, 336, 337, 355, 381, 382, 465)</p>	<p><b>CE 467 (3)<sup>3</sup></b> (CE 466)</p>
	<p>Engineering Statics</p> <p><b>ME 211 (3)</b> (MATH 241†, PHYS 131 or 141)</p>	<p>Design Principles in Civil Engineering</p> <p><b>CE 112 (2)</b> (ENVE 111 or CE 112†)</p>	<p>Mechanics of Materials II</p> <p><b>CE 207 (2)</b> (CE 204)</p>	<p>Structural Engineering</p> <p><b>CE 352 (4)</b> (CE 207. Coreq: CE 251)</p>	<p>Civil Engineering Materials</p> <p><b>CE 259 (2)</b> (CE 204)</p>	<p>Reinforced Concrete Design</p> <p><b>CE 355 (4)</b> (CE 259 &amp; 352)</p>	<p>Approved Technical Elective</p> <p><b>(4)<sup>4</sup></b> ***</p>	<p>Approved Technical Elective</p> <p><b>(4)<sup>4</sup></b> ***</p>	<p>Approved Technical Elective</p> <p><b>(4)<sup>4</sup></b> ***</p>
	<p>Computer Aided Drafting in Civil Engineering</p> <p><b>CE 113 (2)</b></p>	<p>Engineering Dynamics</p> <p><b>ME 212 (3)</b> (MATH 241; ME 211 or ARCE 211)</p>		<p>Fundamentals of Transportation Engineering and Lab</p> <p><b>CE 321 (3) and CE 322 (2)</b> (PHYS 141, CE 259 or graduate standing)</p>		<p>Water Resources Engineering and Hydraulics Lab</p> <p><b>CE 336 (4) and CE 337 (1)</b> (ME 341 or ENVE 264)</p>	<p>Approved Technical Elective</p> <p><b>(4)<sup>4</sup></b> ***</p>	<p>Approved Technical Elective</p> <p><b>(4)<sup>4</sup></b> ***</p>	<p>Approved Technical Elective</p> <p><b>(4)<sup>4</sup></b> ***</p>
	<p>Tech. Writing for Engineers</p> <p><b>ENGR 149 (4)</b></p>	<p>Materials Engineering</p> <p><b>MATE 210 (3)</b> (CHEM 111, 124, or 127. Recom: MATE 215 concur.)</p>	<p>Fluid Mechanics I</p> <p><b>ME 341 (3)</b> (MATH 242 or 244; ME 212)</p>	<p>Introduction to Environmental Engineering</p> <p><b>ENVE 331 (4)</b> (CHEM 125 or 128, MATH 242 or 244†)</p>		<p>Statistical Methods for Engineers</p> <p><b>STAT 312 (4)<sup>3</sup></b> (MATH 142) [B6]</p>			
	<p>Physical Geology</p> <p><b>GEOL 201 (3)</b> (MATH 119)</p>	<p>Materials Laboratory I</p> <p><b>MATE 215 (1)</b> (MATE 210†)</p>	<p>Take concurrently:</p> <p><b>BIO 213 (2), BMED/BRAE 213 (2)</b> (MATH 142. Coreq: BMED/BRAE 213. Recom: CHEM 124) [B2]</p>	<p>Thermodynamics I</p> <p><b>ME 302 (3)</b> (ME 212 &amp; PHYS 132)</p>		<p>Approved Engineering Science Elective</p> <p><b>(2-4)<sup>2</sup></b> ***</p>	<p><b>GE (4)</b> **</p>		
	<p>Engineering Surveying</p> <p><b>BRAE 239 (4)</b></p>	<p><b>GE (4)</b> **</p>	<p><b>GE (4)</b> **</p>	<p><b>GE (4)</b> **</p>		<p><b>GE (4)</b> **</p>	<p><b>GE (4)</b> **</p>	<p><b>GE (4)</b> **</p>	<p><b>GE (4)</b> **</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>				
	17	14	13+	16	17-19	13	17	15	15

**Notes:**

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

\* Refer to current catalog for prerequisites.

\*\* One course from each of the following GE areas must be completed: A1, A2, C1, C2, C3, C4, D1, D2, D3, D4. C4 should be taken only after Junior standing is reached (90 units).

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: C3, C4, D1, D3, or D4.

\*\*\* Refer to current catalog for course selection and guidelines for technical electives.

† Course can be taken previously or concurrently.

<sup>1</sup> Required in Support; also satisfies GE

<sup>2</sup> 2-4 units Approved Engineering Science Elective. See catalog. No double-counting of coursework with other requirements. Consultation with advisor recommended.

<sup>3</sup> Alternatives to CE 466/467 include, but are not limited to, *Community Engineering Senior Project I and II* CE 468 (3) and CE 469 (3). Students interested in alternatives to CE 466/467 should contact the CEENVE Department Office.

<sup>4</sup> 24 units Technical Electives. See catalog for course options and additional guidelines.

**Legend:**

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