

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

DATE UPDATED:

Updated 5/12/20

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>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 ▫ MATH 142 ▫ MATH 143 ▫ MATH 241 ▫ MATH 244 ▫ PHYS 141 ▫ PHYS 132 ▫ PHYS 133 ▫ CHEM 124 ▫ CHEM 125 ▫ MATE 210 ▫ MATE 215 ▫ BRAE 239 ▫ GEOL 201 ▫ CE 113 ▫ CE 204 ▫ ME 211 ▫ ME 212 ▫ ENGL 149 (A3) ▫ BIO/BMED 213 (B2) ▫ APPROVED ENG. SCI. ELECTIVE # 	<p><i>Introduction to Civil Engineering</i></p> <p>CE 111 (1)</p>	<p><i>Structural Engineering</i></p> <p>CE 352 (4) <small>(CE 207 or CE 208; CE 251[†])</small></p>	<p><i>Reinforced Concrete Design</i></p> <p>CE 355 (4) <small>(CE 259 & 352)</small></p>	<p><i>Civil Engineering Professional Practice</i></p> <p>CE 465 (1) <small>(Sr. Standing and Instr. Consent)</small></p>	<p><i>Senior Design Project I and II</i></p> <p>CE 466 (3) <small>(CE 321, 322, 336, 337, 355, 381, 382, 465)</small></p> <p>CE 467 (3) <small>(CE 466)</small></p>		
	<p>if have Mechanics of Materials 1 credit take <i>Mechanics of Materials II</i> CE 207 (2) <small>(CE 204)</small></p> <p>OR if no Mechanics of Material credit take <i>Mechanics of Materials I & II</i> CE 208 (5) <small>(ME 211)</small></p>	<p><i>Design Principles in Civil Engineering</i></p> <p>CE 112 (2)</p>	<p><i>Water Resources Engineering and Hydraulics Lab</i></p> <p>CE 336 (4) and CE 337 (1) <small>(ME 341 or ENVE 264)</small></p>	<p>Approved Technical Elective</p> <p>(4)⁴ ***</p>	<p>Approved Technical Elective</p> <p>(4)⁴ ***</p>	<p>Approved Technical Elective</p> <p>(4)⁴ ***</p>	
	<p><i>Civil Engineering Materials</i></p> <p>CE 259 (2) <small>(CE 204 or 208[†]; CE 113[†])</small></p>	<p><i>Fund. of Transportation Engineering & Lab</i></p> <p>CE 321 (3) and CE 322 (1) <small>(PHYS 141; CE 259 or CM 113; CE 222; or grad standing)</small></p>	<p><i>Geotechnical Engineering and Lab</i></p> <p>CE 381 (4) and CE 382 (1) <small>(CE 207 or CE 208; ME 341 or ENVE 264. Concur: CE 382)</small></p>	<p>Approved Technical Elective</p> <p>(4)⁴ ***</p>	<p>Approved Technical Elective</p> <p>(4)⁴ ***</p>	<p>Approved Technical Elective</p> <p>(4)⁴ ***</p>	
	<p><i>Programming Applications in Engineering</i></p> <p>CE 251 (2) <small>(CE 113; CE 204 or 208[†]; MATH 244)</small></p>	<p><i>Fluid Mechanics I</i></p> <p>ME 341 (3) <small>(MATH 242 or 244; ME 212)</small></p>	<p>any remaining support or GE not transferred</p>	<p>TAKE 1-2 COURSES BELOW EACH QUARTER</p> <p><i>Intro to Environmental Engineering</i> ENVE 331 (4) <small>(CHEM 125 or 128, MATH 242 or 244[†])</small></p> <p><i>Statistical Methods for Engineers</i> STAT 312 (4) <small>(MATH 142) [B6]</small></p> <p><i>Construction Management and Project Planning</i> CE/CM 371 (4) <small>(ARCE 106, CE 259 or CM 113)</small></p> <p>Upper-Division C (4) ** <small>(combine with USCP requirement if still needed)</small></p>			
	<p><i>Intro Experiments in Transportation</i></p> <p>CE 222 (1)</p>			<p>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></p>			
	<p>any remaining support or GE not transferred</p>						
		8+	14	14+	16	15	15

Notes:

- * 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.
- *** Refer to current catalog for course selection and guidelines for technical electives.
- † Course can be taken previously or concurrently.
- ¹ Required in Support; also satisfies GE
- # 2-4 units Approved Engineering Science Elective. See catalog. No double-counting of coursework with other requirements. Consultation with advisor recommended.
- ⁴ 24 units Technical Electives. See catalog for course options and additional guidelines.

Legend:

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