

Please note: this flowchart is one example of how students can graduate in 2 years. Many 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.

Updated 4/17/23

		YEAR 1			YEAR 2		
		Fall	Winter	Spring	Fall	Winter	Spring
<div>Introduction to Computing</div> <div>CPE/CSC 123 (4) (or Technical Elective)¹</div>	<div>¹ CPE Transfer Students with additional STEM transfer college coursework will have credit applied to the CPE 123 requirement. CPE Transfer students that do not have additional STEM transfer college coursework will take an additional 4 units of Technical Electives in a future quarter. If AP CSC was taken, submit a course substitution requesting credit for 123.</div> <div>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:</div>	<div>Computer Engineering Orientation</div> <div>CPE 100 (1)</div>	<div>Electrical & Electronic Circuits III</div> <div>EE 315 (4)</div> <div>(CPE 133 and EE 215)</div>	<div>Systems Programming</div> <div>CPE 357 (4)</div> <div>(CSC 202 & 203 w/ a C- or better; CPE 233 or CSC 225)</div>	<div>Microcontrollers & Embedded Applications</div> <div>CPE 316 (4)²</div> <div>(CPE 357; Coreq: EE 211 or EE 215)</div>	<div>Choose One Series: Senior Project I & II</div> <div>CPE 461 (3) (CPE 350)</div> <div>CPE 462 (2) (CPE 450)</div> <div>OR</div> <div>Research Senior Project I & II</div> <div>CSC 497 (2) (CSC 307 or 309)</div> <div>CSC 498 (2) (CSC 497)</div>	
		<div>Digital Design</div> <div>CPE 133 (4)</div> <div>(CPE 100 & CSC 101)</div>	<div>Choose One: Digital Signals & Systems</div> <div>CPE 327 (3) & CPE 367 (1)</div> <div>(EE 212 or EE 215; MATH 244)</div>	<div>Approved Technical Elective</div> <div>(4)^{3,5} ***</div>	<div>Capstone I</div> <div>CPE 350 (4)⁶</div> <div>(Coreq: CPE 316 or EE 329)</div>	<div>Capstone II</div> <div>CPE 450 (3)⁶</div> <div>(CPE 350)</div>	<div>Introduction to Operating Systems</div> <div>CPE 453 (4)</div> <div>(CPE 357; CSC 225, 229, or 233)</div>
		<div>Electrical & Electronic Circuits & Lab II</div> <div>EE 215 (3) & EE 245 (1)</div> <div>(EE 115; EE 245¹)</div>	<div>Computer Design and Assembly Language Programming</div> <div>CPE 233 (4)</div> <div>(CPE 133)</div>	<div>Computer Hardware Architecture & Design</div> <div>CPE 333 (4)⁶</div> <div>(CSC 101 & CPE 233)</div>	<div>Probability and Random Processes for Engineers</div> <div>STAT 350 (4)</div> <div>*</div> <div>[Upper-Div GE B]</div>	<div>Introduction to Computer Networks</div> <div>CPE 464 (4)</div> <div>(CPE 357, Recom: STAT 312, 321, or 350)</div>	<div>Approved Technical Elective</div> <div>(4)^{3,5} ***</div>
		<div>Choose ONE course: PHIL 327/339/340 (4)</div> <div>*</div> <div>[Upper-Div GE C]</div>	<div>any remaining major, support or GE not transferred in (combine with USCP requirement if still needed)</div>		<div>ES/WGQS 350(4)*⁷ [USCP]</div> <div>OR</div> <div>ES 351 (4)*⁷ [Upper-Div GE D]</div>	<div>Approved Technical Elective</div> <div>(3)^{3,5} ***</div>	<div>any remaining major, support or GE not transferred in (combine with USCP requirement if still needed)</div>
					<div>Graduation Writing Requirement GWR* (Must be fulfilled before graduation by either enrolling in a GWR approved, upper-division English course (which can double-count with the Upper-Division C) OR by completing the GWR Portfolio through enrolling in UNIV 401. GWR courses are searchable on Schedule Builder.</div>		
							<div>Choose ONE Course:</div> <div>CPE 321 (4) (CPE 357)</div> <div>CPE 422 (4) (CPE 364 or 464)</div> <div>CPE 426 (4) (CPE 315 or 333; CPE 233)</div>
		13	12	12	16	12-17	10-14
<div>MATH 141</div> <div>MATH 142</div> <div>MATH 143</div> <div>MATH 241</div> <div>MATH 244</div> <div>PHYS 141</div> <div>PHYS 132/142</div> <div>PHYS 133/143</div> <div>PHIL 230/231 (C2)</div> <div>CHEM 124</div> <div>8 units of 200 level CENG/COSAM courses</div> <div>EE 115 & 145 (112)</div> <div>CSC 101</div> <div>CSC 202</div> <div>CSC 203</div> <div>CSC 248</div>		<div>GE AREA A1</div> <div>GE AREA A2</div> <div>GE AREA A3</div> <div>GE AREA B2</div> <div>GE AREA C1</div> <div>GE AREA LOWER-DIVISION C ELECTIVE</div> <div>GE AREA D1</div> <div>GE AREA D ELECTIVE</div> <div>GE AREA E</div> <div>GE AREA F</div>					

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 the 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, D Elective, or E

*** Refer to your catalog for course selection. □

SOME CPE COURSES WILL NEED TO BE ENROLLED IN BY PERMISSION NUMBER ONLY. MAKE SURE TO READ ALL THE SECTION NOTES IN SCHEDULE BUILDER EACH QUARTER TO IDENTIFY THESE COURSES.

¹ Course can be taken previously or concurrently.

² Take CPE 316 (4) or CPE/EE 329 (4)

³ See catalog for course options. Consultation with advisor is recommended prior to selecting technical electives or approved electives; bear in mind your selections may impact pursuit of post-baccalaureate studies and/or goals. No course credits may be used simultaneously to satisfy both engineering support and technical elective requirements. □

⁴ ENGR 459, 460, 461, & CPE 400, or ENGR 463, 464, 465, & CPE 400 may substitute for CPE 350 and CPE 450

⁵ The following courses may not be used to satisfy this requirement: COOP units; BUS 499; CSC 302, CSC 303, CSC 310, CSC 400, CSC 500; EE 321, EE 322, EE 361, EE 400, EE 460, EE 500, EE 563.

⁶ Take CPE 333 (4) or CPE 315 (4).

⁷ If USCP has not been met, take ES 350, as that course will double count for the support requirement and the USCP requirement. If you did not transfer in credit for the Area D Elective, then ES 351 will double count for the support requirement and GE requirement.

⁸ CPE Transfers take CPE/EE 327+367. EE 228 is only an option if the pre-req (EE 212/242) is completed.

Legend:

Course Title	
Course # (Units)	
(Prerequisite)	
[GE Area]	

Major

Support

General Ed.